

# **Neuroteología católica**

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## Resumen

El tema de la "Neuroteología" ha suscitado cada vez más interés en el mundo académico, religioso, científico y popular. Se han escrito varios libros sobre la relación entre el cerebro y la experiencia religiosa y se han publicado numerosos artículos académicos sobre el tema. La prensa popular también ha prestado gran atención a la neuroteología, con artículos importantes en *Newsweek*, *Time*, *The New Scientist*, *Readers Digest* y *Popular Mechanics*. Las comunidades científica y religiosa se han mostrado muy interesadas en obtener más información sobre la neuroteología, cómo abordar este tema y cómo pueden integrarse la ciencia y la religión de alguna manera que preserve a ambas.

Sin embargo, no ha habido intentos extensos de explorar más específicamente cómo el pensamiento y la experiencia religiosos católicos pueden cruzarse con el cerebro y la neurociencia. El propósito de la *Neuroteología católica* es abordar plenamente esta área pionera. Los temas están relacionados con un enfoque neuroteológico de las creencias fundamentales que surgen del aprendizaje católico de la Escritura y la Tradición, una exploración de los diferentes elementos del catolicismo, una exploración de prácticas y rituales específicamente católicos, y una revisión de la mística católica. Se consideran estudiosos católicos específicos en términos de la relación entre sus ideas/enseñanzas y diferentes procesos cerebrales. *Neuroteología católica* aborda estos temas con la esperanza de que los lectores, independientemente de su formación, sean capaces de comprender las complejidades y la amplitud de la neuroteología desde una perspectiva católica. En términos más generales, los temas incluyen una revisión de las neurociencias y las técnicas neurocientíficas; experiencias religiosas y espirituales; desarrollo y análisis teológico; liturgia y ritual; epistemología, filosofía y ética; e implicaciones sociales, todo ello desde una perspectiva católica.

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## Bibliografía

- Abbott, W. M. (Ed.). (1966). Documents of Vatican II. New York: Herder and Herder.
- Abu, H. O., Ulbricht, C., Ding, E., Allison, J. J., Salmoirago-Blotcher, E., Goldberg, R. J., & Kiefer, C. I. (2018). Association of religiosity and spirituality with quality of life in patients with cardiovascular disease: A systematic review. *Quality of Life Research*, 27(11), 2777-2797. doi:10.1007/s11136-018-1906-4. <https://doi.org/10.1007/s11136-018-1906-4>
- Acosta, M. (2015). Neuroteología. ¿Es hoy la nueva teología natural? Naturaleza y Libertad: *Revista de estudios interdisciplinares*, 5, 11-51. <https://doi.org/10.24310/NATyLIB.2015.v0i05.6315>
- Adolphs, R., Glascher, J., & Tranel, D. (2018, enero 16). Searching for the neural causes of behavior. *Proceedings of the National Academy of Sciences of the United States of America*, 115(3), 451-452. doi: 10.1073/pnas.1720442115
- Afford, P. (2020, Septiembre). Using neuroscience to map the whole person: Peter Afford guides us through the systems that influence emotions, behavior, and personality. *Therapy Today*, 31(7), 1-7.
- Alcorta, C. S., & Sosis, R. (2005). Ritual, emotion, and sacred symbols: The evolution of religion as an adaptive complex. *Human Nature*, 16(4), 323-359. doi: 10.1007/s12110-005-1014-3. <https://doi.org/10.1007/s12110-005-1014-3>
- Alexander, A. (2020). (Reseña). *Theological neuroethics: Christian ethics meets the science of the human brain* por Neil Messer. *Journal of Moral Theology*, 9(2), 209-211.
- Alexander, A. R. (2018). *Mystical brain, divine consciousness: A theological appropriation of cognitive neuroscience*. (Tesis doctoral sin publicar). Fordham University, New York.
- Allen, C., & Trestman. (2020, Winter). Animal consciousness. En E. N. Zalta (Ed.), *The Stanford encyclopedia of philosophy*. Obtenido de <https://plato.stanford.edu/archives/win2020/entries/consciousness-animal>
- Allen, J. A. (2016). Bernard Lonergan's critique of knowing as taking a look. *Heythrop Journal*, 57(3), 451-460. doi: 10.1111/heyj.12147. <https://doi.org/10.1111/heyj.12147>
- Alston, W. (1991). *Perceiving God: The epistemology of religious experience*. Ithaca, NY: Cornell University Press.
- Amen. W. (2023). *The Daniel plan*. Obtenido de <https://www.danielplan.com/start>
- American Psychological Association. (2013). What role do religion and spirituality play in mental health? (Entrevista con K. I. Pargament). Obtenido de <https://www.apa.org>
- Ammon, K., & Gandevia, S. C. (1990). Transcranial magnetic stimulation can influence the selection of motor programs. *Journal of Neurology, Neurosurgery, and Psychiatry*, 53 (8), 705-707. <https://doi.org/10.1136/jnnp.53.8.705>

- Anderson, D. E. (2012). Neuroscience. En J. A. Lamm (ed.), *The Wiley-Blackwell Companion to Christian mysticism* (pp. 592-609). Hoboken, NJ: Wiley-Blackwell. <https://doi.org/10.1002/9781118232729.ch39>
- Anderson, E. (2013). Neuroscience. En J. A. Lemm (Ed.), *The Wiley-Blackwell companion to Christian mysticism* (pp. 592-609). West Sussex, U.K.: John Wiley & Sons. <https://doi.org/10.1002/9781118232729.ch39>
- Andresen, J. (2001). *Religion in mind: Cognitive perspectives on religious belief, ritual, and experience*. Cambridge, U.K: Cambridge University Press. <https://doi.org/10.1017/CBO9780511586330>
- Anscombe, G. E. M. (1957/2000). *Intention* (2<sup>nd</sup> ed.). Cambridge, MS: Harvard University Press.
- Antonovsky, A. (1987). *Unraveling the mystery of health: How people manage stress and stay well*. San Francisco: Jossey-Boss.
- Aquinas, T. (1250s/2023). *On the principles of nature*. Obtenido de <https://www3.nd.edu/~afreddos/papers/Aquinas>
- Aquinas, T. (1259/1952). *De veritate: On truth*. Washington, DC: Henry Regnery Publishing.
- Aquinas, T. (1265/2019) *Summa contra gentiles. 4 vols.* (The Aquinas Enstitute, Ed.). Steubenville, OH: Emmaus Academic Publishing.
- Aquinas, T. (1948). *Summa theologiae*. (Vols. 1-3). (Fathers of the English Dominican Province, Trad.). New York: Benziger Brothers.
- Aristotle, & McMahin, J. H. (1991). *The metaphysics*. Amherst, NY: Prometheus Publishing.
- Aristotle, & Reeve, C. D. C. (350 BC/2017). *De anima*. Indianapolis, IN: Hackett Publishing.
- Arraj, J. (1993) *Mysticism, metaphysics, and Maritain: On the road to the spiritual unconscious*. Chiloquin, OR: Enner Growth Books.
- Ashbrook, J. B., & Albright, C. R. (1997). *The humanizing brain: Where religion and neuroscience meet*. Cleveland, OH: Pilgrim Press.
- Aspren, E., & Taves, A. (2018). Explanation and the study of religion. En B. Stoddard (Ed.), *Method today: Redescribing approaches to the study of religion* (pp. 133-157). London, U.K.: Equinox.
- Assaf, Y., & Pasternak, O. (2008). Diffusion tensor imaging (DTI)-based white matter mapping in brain research: A review. *Journal of Molecular Neuroscience*, 34, 51-61. doi:10.1007/s12031-007-0029-0. <https://doi.org/10.1007/s12031-007-0029-0>
- Atran, S. (2002). *In gods we trust: The evolutionary landscape of religion*. Oxford, U.K.: Oxford University Press.
- Augustine, St. (400/2012). *De Trinitate: On the Trinity*. New York: New City Press.
- Austin, J. H. (1998). *Zen and the brain*. Cambridge, MA: MIT Press. <https://doi.org/10.7551/mitpress/7347.001.0001>
- Avila Institute. (2023). Obtenido de Avila-institute.org/spiritual-formation
- Azari, N. (2006). Neuroimaging studies of religious experience: A critical review. En P. McNamara (Ed.), *Where God and science meet: How brain and evolutionary studies alter our understanding of religion, vol. 3: The psychology of religious experience* (pp. 33-54). Westport, CT: Greenwood Press.

- Azari, N., Nickel, J., Niedeggen, M., Heftner, H., Tellman, L., Herzog, H., Seitz, R. J. (2001). Neural correlates of religious experience. *European Journal of Neuroscience*, 13, 1649-1652. <https://doi.org/10.1046/j.0953816x.2001.01527.x>
- Baesler, E. J., & Ladd, K. (2009). Exploring prayer contexts and health outcomes: From the chair to the pew. *Journal of Communication and Religion*, 32(2), 347-384. Obtenido de [https://digitalcommons.odu.edu/communication\\_fac\\_pubs](https://digitalcommons.odu.edu/communication_fac_pubs). <https://doi.org/10.5840/jcr200932215>
- Baglow, C. T. (2020). Faith and science: The foundation of a Catholic approach to science. McGrath Enstitute for Church Life. Notre Dame University. En C. T. Baglow (Ed.), *Faith, science, and reason: Theology on the cutting edge* (2<sup>nd</sup> ed.). Downers Grove, IL: Midwest Theological Forum.
- Barbour, I. (1990). *Religion in an age of science*. San Francisco, CA: Harper One.
- Barbour, I. (1997). *Religion and science: Historical and contemporary issues*. New York: HarperCollins.
- Barbour, I. G. (2000). *Religion and science: Historical and contemporary issues*. New York: HarperCollins.
- Barnby, J. M., Bailey, N. W., Chambers, R., & Fitzgerald, P. B. (2015, Noviembre). How similar are the changes in neural activity resulting from mindfulness practice in contrast to spiritual practice? *Consciousness and Cognition*, 36, 219-232. <https://doi.org/10.1016/j.concog.2015.07.002>
- Barrett, J. L. (2017). Cognitive science of religion and Christian faith: How may they be brought together? *Perspectives on Science and Christian Faith*, 69(1), 3-12.
- Barrett, N. F. (2011). [Reseña del libro *Principles of Neurotheology* de Andrew Newberg]. *Ars Disputandi*, 11, 133-136. Obtenido de <http://www.ArsDisputandi.org>. <https://doi.org/10.1080/15665399.2011.10820062>
- Basilian Fathers: Our charism. (2023). Obtenido de <https://basilian.org/en/>
- Basilian: Byzantine rite monasticism. (2023). Obtenido de <https://basilian.org/en/about-us/our-charism>
- Battro, A. M., Dehaene, S., Sorondo, M. S., Singer, W. J. (Eds.). (2013). *Neurosciences and the human person: New perspectives on human activities*. Vatican, Rome: Pontifical Academy of Sciences.
- Beauregard, J. (2019). *Philosophical neuroethics: A personalist approach. Vol. 1: Foundations*. Wilmington, DE: Vernon Press.
- Beauregard, J. (2023). *Philosophical neuroethics: A personalist approach. Vol. 2. Practical neuroethics*. Wilmington, DE: Vernon Press.
- Beauregard, M. (2007). Mind does really matter: Evidence from neuroimaging studies of emotional self-regulation, psychotherapy, and placebo effect. *Progress in Neurobiology*, 81, 218-236. <https://doi.org/10.1016/j.pneurobio.2007.01.005>
- Beauregard, M., & O'Leary, D. (2008). *The spiritual brain: A neuroscientist's case for the existence of the soul*. Capítulos 7-10. New York: HarperCollins.
- Beauregard, M., & Paquette, V. (2006). Neural correlates of a mystical experience in Carmelite nuns. *Neuroscience Letters*, 405(3), 186-190. <https://doi.org/10.1016/j.neulet.2006.06.060>
- Beck, A. T. (1979). *Cognitive therapy and emotional disorders*. New York: Plume. Penguin Books.

- Beck, A. T., Rush, A. J., Shaw, B. F., & Emery, G. (1967/1987). *Cognitive therapy of depression*. New York: Guilford Press.
- Bellah, R. N. (1986, febrero 21). Habits of the heart: Implications for religion. Lecture 5: St. Mark's Catholic Church, Isla Vista, California. Obtenido de [http://www.robertbellah.com/lectures\\_5.htm](http://www.robertbellah.com/lectures_5.htm)
- Benedicto XVI, Papa. (2007). *Spes Salvi*. Encyclical Letter on Christian Hope. Obtenido de [https://www.vatican.va/content/benedictxvi/en/encyclicals/documents/hf\\_ben-xvi\\_enc\\_20071130\\_spe-salvi.html](https://www.vatican.va/content/benedictxvi/en/encyclicals/documents/hf_ben-xvi_enc_20071130_spe-salvi.html)
- Benedicto XVI, Papa. (2012, noviembre 8). Discurso de Su Santidad el Papa Benedicto XVI a los miembros de la Academia Pontificia de Ciencias con ocasión de la asamblea plenaria. Obtenido de [www.vatican.va/content/benedictxvi/en/speeches/2012/november/documents/hf\\_ben-xvi\\_spe\\_20121108\\_academy-sciences.htm](http://www.vatican.va/content/benedictxvi/en/speeches/2012/november/documents/hf_ben-xvi_spe_20121108_academy-sciences.htm)
- Bennet, P. (2019a). "Landscape plotted and pieced": Exploring the contours of engagement between (neuro)science and theology. *Zygon: Journal of Religion and Science*, 54, 86-106. <https://doi.org/10.1111/zgyo.12491>
- Bennet, P. (2019b). "Things counter, original, spare, strange:" Developing a postfoundational transversal model for science/religion dialogue." *Zygon: Journal of Religion and Science*, 54, 107-128. <https://doi.org/10.1111/zgyo.12493>
- Bennet, P. (2019c). "All trades, their gear, and tackle and trim:" Theology, cognitive neuroscience, and psychoneuroimmunology in transversal dialogue. *Zygon: Journal of Religion and Science*, 54, 129-148. <https://doi.org/10.1111/zgyo.12497>
- Bennett, M. R., & Hacker, P. M. S. (2003). *Philosophical foundations of neuroscience* (1st ed.). Malden, MA: Blackwell.
- Berger, P. L., & Luckmann, T. (1966/1975). *The social construction of reality*. London, U.K.: Penguin.
- Bergman, R. (2008). Teaching justice after MacIntyre: Toward a Catholic philosophy of moral education. *Catholic Education: A Journal of Enquiry and Practice*, 12(1), 7-24. <https://doi.org/10.15365/joce.1201022013>
- Bering, J. (2011). *The belief instinct: The psychology of souls, destiny, and the meaning of life*. New York: W. W. Norton.
- Bianchini, D. A. (2015, Diciembre 7). What are the differences between religious orders? Obtenido de [www.religious-vocation.com](http://www.religious-vocation.com).
- Bilder, R. Howe, A., & Saab, F. (2013). Multilevel models from biology to psychology: Mission impossible? *Journal of Abnormal Psychology*, 122(3), 917-927. <https://doi.org/10.1037/a0032263>
- Bingaman, K. A. (2013). The promise of neuroplasticity for pastoral care and counseling. *Pastoral Psychology*, 62(5), 549-560. doi: 10.1007/s11089-013-0513-0. <https://doi.org/10.1007/s11089-013-0513-0>
- Black, D. S., & Slavich, G. M. (2016). Mindfulness meditation and the immune system: A systematized research of randomized controlled trials. *Annals of the New York Academy of Sciences*, 1373(1), 13-24. doi: 10.1111/nyas.12998. <https://doi.org/10.1111/nyas.12998>
- Bloch. M. (1989). *Ritual, history, and power*. London, U.K.: Athlone Press.

- Blommestijn, H., Huls, J., & Waaijman, K. (2000). *The footprints of love: John of the Cross as guide in the wilderness*. (Trad. J. Vriend). Leuven, Belgium: Peeters.
- Boccia, M., Piccardi, L., & Guariglia, P. (2015). The meditative mind: A comprehensive meta-analysis of MRI studies. *BioMed research international*, 2015. <https://doi.org/10.1155/2015/419808>
- Boston University Medical Center. (2021, abril 21) Association versus causation. Module 1: Population health. Obtenido de <https://sphweb.bumc.bu.edu/otlt MPH-Modules/PH717-QuantCore/PH717-Module1A-Populations/PH717-Module1A-Populations6.html>
- Bourgignon, E. (Ed.). (1973). *Religion, altered states of consciousness, and social change*. Columbus, OH: Ohio State University Press.
- Bourgignon, E. (Ed.). (1976). *Possession*. San Francisco, CA: Chandler and Sharpe.
- Bouyer, P. (2003). Religious thought and behavior as by-products of brain function. *Trends in Cognitive Sciences*, 7(3), 119-124. [https://doi.org/10.1016/S1364-6613\(03\)00031-7](https://doi.org/10.1016/S1364-6613(03)00031-7)
- Brandt, P-Y., Clément, F., & Manning, R. R. (2010). Neurotheology: Challenges and opportunities. *Schweizer Archiv für Neurologie und Psychiatrie*, 161, 305-309. Obtenido de <http://www.sanp.ch>. <https://doi.org/10.4414/sanp.2010.02209>
- Brown, J. W. (2015). *Microgenetic theory and process thought*. Bedfordshire, U.K.: Andrews, U.K., Ltd.
- Brown, W. S., Murphy, N., & Malony, H. N. (Eds.). (1998). *Whatever happened to the soul? Scientific and theological portraits of human nature*. Minneapolis, MN: Fortress.
- Brueggemann, W. (2007, Diciembre 25). Wired to believe. [Reseña del libro *Alone in the world: Human uniqueness in science and theology*, de J. W. van Huyssteen]. *Christian Century*, 26, 28-30.
- Brugger, C. (2009). Psychology and Christian anthropology. *Edification: Journal of the Christian Association of Psychology Studies*, 3, 5-18.
- Buber, M. (1923). *I and thou*. Eastford, CT: Martino Publishing.
- Buckley, M. J. (1980). Within the holy mystery. En L. O'Donovan (Ed.), *A world of grace* (pp. 31-49). New York: Seabury Press.
- Bulkeley, K. (2005). *Soul, psyche, brain: New directions in the study of religion and brain-mind science*. New York: Palgrave Macmillan. <https://doi.org/10.1057/9781403979230>
- Bunge, M. (1979/2008). *Causality and modern science*. 4<sup>a</sup> ed. Philadelphia, PA: Routledge.
- Burgos, J. M. (2021). *Personalist anthropology: A philosophical guide to life*. Wilmington, DE: Vernon Press.
- Burkhart, J. J. "Sensus Fidelium." (2023, Febrero 23). *New Catholic encyclopedia*. Obtenido de <https://www.encyclopedia.com>
- Burns, C. P. E. (2005). Cognitive science and Christian theology. En K. Bulkeley (Ed.), *Soul, psyche, brain: New directions in the study of religion and brain-mind science*. New York: Springer. [https://doi.org/10.1057/9781403979230\\_9](https://doi.org/10.1057/9781403979230_9)
- Butera, G. (2011). Second Harvest: Further reflections on the promise of the Thomistic psychology. *Philosophy, Psychiatry, and Psychology*, 17(4), 317-346. doi: 10.1353/ppp.2010.0029. <https://doi.org/10.1353/ppp.2010.0029>

- Butera, G. (2011). Thomas Aquinas and cognitive therapy: An exploration of the promise of the Thomistic psychology. *Philosophy, Psychiatry, and Psychology*, 17(4), 347-366. doi: 10.1353/ppp.2010.0023. <https://doi.org/10.1353/ppp.2010.0023>
- Butler, P. M., McNamara, P., Ghofani, J., Durso, R. (2011). Disease-associated differences in religious cognition in patients with Parkinson's Disease. *Journal of Clinical and Experimental Neuropsychology*, 33(8), 917-928. doi: 10.1080/13803395.2011.575768. <https://doi.org/10.1080/13803395.2011.575768>
- Buzsaki, G. (2006). *Rhythms of the brain*. New York: Oxford University Press.
- Byrne, P. H. (2021). Notre Dame Philosophical Reviews. [Reseña del libro *Authenticity as self transcendence: The enduring insights of Bernard Lonergan* de M. H. McCarthy]. Obtenido de <https://ndpr.ne.edu/reviews/authenticity-as-self-transcendence-the-enduring-insights-ofbernard-lonergan>
- Cacioppo, J. T., Gardner, W. L., & Berntson, G. G. (2002). The affect system has parallel and integrative processing components: Form follows function. En J. T. Cacioppo, G. G. Berntson, R. Adolphs, et al., (Eds.), *Foundations in Social Neuroscience* (pp. 493-522). Cambridge, MA: MIT Press. <https://doi.org/10.7551/mitpress/3077.003.0036>
- Cahn, B. R., & Polich, J. (1999). Meditation states and traits: EEG, ERP, and neuroimaging studies. *Psychological Bulletin*, 132, 180-211. <https://doi.org/10.1037/0033-2909.132.2.180>
- Candelario, D. A. (2009). George Tyrrell and Karl Rahner: A dialogue on revelation. *Heythrop Journal*, 50(1), 44-57. doi: 10.1111/j.1468-2265.2008.00416.x. <https://doi.org/10.1111/j.1468-2265.2008.00416.x>
- Caponi, F. J. (2007). A speechless grace: Karl Rahner on religious language. *International Journal of Systematic Theology*, 9(2), 200-222. doi: 10.1111/j.1468-2400.2007.00253.x. <https://doi.org/10.1111/j.1468-2400.2007.00253.x>
- Cappas, N. M., Andres-Hymen, R., & Davidson, H. (2005). What psychotherapists can begin to learn from neuroscience: Seven principles of brain-based psychotherapy. *Psychotherapy: Theory, Research, Practice, Training*, 42, 374-383. <https://doi.org/10.1037/0033-3204.42.3.374>
- Capra, F., Steindl-Rast, D., & Matus, T. (1992). *Belonging to the universe: New Thinking about God and nature*. New York: Penguin Books.
- Carlson, N. R. (2007). *Physiology of behavior*. (9<sup>th</sup> ed.). Boston, MA: Allyn and Bacon.
- Carmelite Sisters of the Most Sacred Heart of Los Angeles. (2013, Junio 10). Meditation and contemplation—What is the difference? Obtenido de <https://carmelitesistersocd.com/2013/meditation-contemplation/>
- Carr., L. Iacoboni, M., Dubœuf-M.-C., & Lenzi, G. L. (2003, abril 7). Neural mechanisms of empathy in humans: A relay from neural systems for imitation to limbic areas. *Biological Sciences*, 100(9), 5497-5502. Obtenido de <https://doi.org/10.1073/pnas.0935845100>
- Cassibba, R., Granqvist, P., Costantini, A., & Gatto, S. (2008). Attachment and God representations among lay Catholics, priests, and religious: A matched comparison study based on the adult attachment interview. *Developmental Psychology*, 44(6), 1753-1763. <https://doi.org/10.1037/a0013772>
- Catholic Church. (1995). *Catechism of the Catholic Church*. New York: Image, Doubleday.

- Catholic Culture. (2023). *Fr. John Hardon's Modern Catholic dictionary*. Obtenido de [www.catholicculture.org/culture/library/dictionary/index.cfm?id=36024](http://www.catholicculture.org/culture/library/dictionary/index.cfm?id=36024)
- Chalmers, D. (1995). Facing up to the problem of consciousness. *Journal of Consciousness Studies*, 2(3), 200-219.
- Chang, H. (2012). Is water H<sub>2</sub>O? Evidence, realism, and pluralism. *Boston Studies in the Philosophy of Science*, 293. Dordrecht: Springer Netherlands. <https://doi.org/10.1007/978-94-007-3932-1>
- Charis Doctrinal Commission. (2021, Julio 28). What is the difference between mystical experiences and charismatic manifestations? Catholic Charismatic Renewal International Service. Obtenido de <https://www.charis.international/en/what-is-the-difference-between-mystical-experiences-and-charismatic-manifestations>.
- Chaves, M., Konieczny, M. E., Beyerlein, K., & Barman, E. (1999). The national congregations' study: Background, methods, and selected results. *Journal for the Scientific Study of Religion*, 38, 458-476. <https://doi.org/10.2307/1387606>
- Chen, Y., Kim, E. S., & VanderWeele, T. J. (2020, Diciembre). Religious-service attendance and subsequent health and well-being throughout adulthood: Evidence from three prospective cohorts. *International Journal of Epidemiology*, 49(6), 2030-2040. doi: 10.1093/ije/dyaal20. <https://doi.org/10.1093/ije/dyaal20>
- Cherniak, Mikulincer, Shaver, & Grandqvist. (2021). Attachment theory and religion. Elsevier. Obtenido de [www.sciencedirect.com/science/article/pii/S2352250X2030172X](http://www.sciencedirect.com/science/article/pii/S2352250X2030172X). <https://doi.org/10.1016/j.copsyc.2020.08.020>
- Christensen, J., et al. (2014). Roman Catholic beliefs produce characteristic neural responses to moral dilemmas. *Social Cognitive and Affective Neuroscience*, 9(2), 240-249. doi: 10.1093/scan/nss121. <https://doi.org/10.1093/scan/nss121>
- Christov-Moore, L., Conway, P., & Iacoboni, M. (2017). Deontological dilemma response tendencies and sensorimotor representations of harm to others. *Frontiers in Integrative Neuroscience*, 11, 1-9. doi: 10.3389/fnint.2017.00034. <https://doi.org/10.3389/fnint.2017.00034>
- Churchill, N.W., Hutchsion, M. G., Graham, S. J., & Schweitzer, T. A. (2021, mayo 21). Ensular connectivity is associated with self-appraisal of cognitive function after a concussion. *Frontiers in Neurology*, 12. Obtenido de <https://doi.org/10.3389/fneur.2021.653442>. <https://doi.org/10.3389/fneur.2021.653442>
- Clark, A. & Chalmers, D. (1998). The extended mind. *Analysis*, 58(1), 7-19. Oxford, U.K.: Oxford University Press. <https://doi.org/10.1093/analys/58.1.7>
- Clark, A. (2013). Whatever next? Predictive brains, situated agents, and the future of cognitive science. *Behavioral Brain Science*, 36, 181-204. <https://doi.org/10.1017/S0140525X12000477>
- Clarke, P. (2015). *All in the mind? Does neuroscience challenge faith?* Oxford, U.K.: Lion Hudson.
- Clayton, P. (2000). Neuroscience, the person, and God: An emergentist account. *Zygon: Journal of Religion and Science*, 35(3), 613-652. doi: 10.1111/0591-2385.00301. <https://doi.org/10.1111/0591-2385.00301>
- Clayton, P. (2004). *Mind and emergence: From quantum to consciousness*. New York: Oxford University Press.

- Clayton, T. (n.d.). Political philosophy of Alasdair MacIntyre. *Internet encyclopedia of philosophy: A peer-reviewed academic resource*. Obtenido de <http://iep.utm.edu/p-mac>
- Clifford, A. M. (2004). Catholicism and Ian Barbour on theology and science. En R. J. Russell (Ed.), *Fifty years in science and religion: Ian G. Barbour and his legacy*. Hants, U.K.: Ashgate.
- Clinton, T., & Sibcy, G. (2012). Christian counseling, interpersonal neurobiology, and the future. *Journal of Psychology and Theology*, 40, 141-145. <https://doi.org/10.1177/009164711204000211>
- Coffee, D. (2004). The whole Rahner on the supernatural existential. *Theological Studies*, 65, 95-118. <https://doi.org/10.1177/004056390406500135>
- Cohen, M. R., & Nagel, E. (2007). *An introduction to logic and scientific method*. NY: Harcourt, Brace, & World.
- Comstock, G. W., & Patridge, K. B. (2008, Octubre). Historical paper: Church attendance and health. *American Journal of Epidemiology*, 168(7), 819-826. <https://doi.org/10.1093/aje/kwn326>
- Congleton, C., Holzel, B. K., & Lazar, S. W. (2015). Mindfulness can literally change your brain. *Harvard Business Review*. Obtenido de <https://hbr.org/2015/01/mindfulness-can-literally-change-your-brain>
- Congregation for Catholic Education. (2016). The Gift of Priestly Formation, *Ratio fundamentalis institutions sacerdotatis*. Obtenido de [www.semscience.net](http://www.semscience.net).
- Conn, W. E. (1988). The desire for authenticity: Conscience and moral conversion. En V. Gregson (Ed.), *The desires of the human heart: Introduction to the theology of Bernard Lonergan*. NY: Paulist Press.
- Coolman, B. T. (2009). Gestimmtheit: Attunement as a description of the nature-grace relationship in Rahner's theology. *Theological Studies*, 70, 782-800. <https://doi.org/10.1177/004056390907000402>
- Cortez, M. (2017, abril). [Reseña del libro *Neuroscience and the soul: The human person in philosophy, science, and theology* de T. M. Crisp, S. L. Porter, y G. A. Ten Elshof (Eds.)]. *Science and Christian Belief*, 30(1), 78-79.
- Cosgrove, M. (2018). *The brain, the mind, and the person within the enduring mystery of the soul*. Grand Rapids, MI: Kregel Academic.
- Cozolino, L. (2006). *The neuroscience of human relationships: Attachment and the developing social brain*. New York: W. W. Norton and Company.
- Craig, A. D. (2004). Human feelings: Why are some more aware than others? *Trends in Cognitive Sciences*, 8(6), 239-341. <https://doi.org/10.1016/j.tics.2004.04.004>
- Craig, A. D. (2009, enero). How do you feel—now? The anterior insula and human awareness. *Nature Reviews Neuroscience*, 10(1), 59-70. <https://doi.org/10.1038/nrn2555>
- Crawford, S. (Ed.). (2011). General introduction. *Philosophy of mind: Critical concepts of philosophy*. (4 Vols.). London, U.K.: Routledge.
- Crescentini, C., Aglioti, S. M., Fabbro, F., & Urgesi, C. (2013). P 140. Virtual lesions of the inferior parietal and prefrontal cortex alter implicit religiousness and spirituality in healthy individuals. *Clinical Neuropsychology*, 124(10). doi: 10.1016/j.clinph.2013.04.217. <https://doi.org/10.1016/j.clinph.2013.04.217>

- Critchley, H. D., Wiens, S., Rotshtein, P., Ohman, A., & Dolan, R. J. (2004). Neural systems supporting interoceptive awareness. *Nature Neuroscience*, 7, 189-195. <https://doi.org/10.1038/nn1176>
- Critchley, P. (2013). Being and knowing: A Thomist reading of Immanuel Kant. Obtenido de <https://mmu.academia.edu/PeterCritchley/Books>.
- Crowe, F. E., & Doran, R. M. (1988). *Collected works of Bernard Lonergan*. Toronto, Canada: University of Toronto Press.
- Cunningham, L. S. (2006, febrero 24). Catholic spirituality: What does it mean today?" *Commonweal*, 133(4), 11-15.
- Cunningham, P. (2011, Summer). Are religious experiences really localized within the brain? The promise, challenges, and prospects of neurotheology. *Journal of Mind and Behavior*, 32(3), 223-249.
- Curtis, J. M., & Curtis, M. J. (2016). Factors related to susceptibility and recruitment by cults. *Psychological Reports*, 73(2). Obtenido de <https://doi.org/10.2466/pro.1993.73.2.451>.
- D'Aquili, E., & Newberg, A. B. (1993). Mystical states and the experience of God: A model of the neuropsychological substrate. *Zygon*, 22, 177-200. <https://doi.org/10.1111/j.1467-9744.1993.tb01026.x>
- D'Aquili, E., & Newberg, A. B. (1999). *The mystical mind: Probing the biology of religious experience*. Minneapolis: Fortress Press.
- D'Urso, G., Petruccelli, I., & Pace, U. (2019). Attachment style, attachment to God, religiosity, and moral disengagement: A study on offenders. *Mental Health, Religion, and Culture*, 22(1), 1-11. doi: 10.1080/13674676.2018.1562429. <https://doi.org/10.1080/13674676.2018.1562429>
- Dadosky, J. D. (2010). Is there a fourth stage of meaning? *Heythrop Journal*, 51(5), 768-780. doi: 10.1111/j.1468-2265.2009.00518.x. <https://doi.org/10.1111/j.1468-2265.2009.00518.x>
- dal Covolo, E. (Marzo 17, 1999). The encounter of faith and reason in the Fathers of the Church. Vatican City, Europe: *L'Osservatore Romano*, 9-10.
- Damasio, A. (1994/2005). *Descartes' error: Emotion, reason, and the human brain*. London, England: Penguin Books.
- Damasio, A. (2000). *The feeling of what happens: Body, emotion, and the making of consciousness*. London, U.K.: Vintage.
- Damasio, A. (2010, noviembre 9). *Self comes to mind: Constructing the conscious mind* [Recurso electrónico]. Westminster, MD: Pantheon Books. Random House Digital.
- Damasio, A. (2012). *Self comes to mind: Constructing the conscious mind*. New York: Pantheon Books.
- Daniel, A. E. (2013). The immortality of the soul in the thought of Thomas Aquinas. Academia. Obtenido de <https://academia.edu/29459315/>
- Darr, R. (2020). Virtues as qualities of character: Alasdair MacIntyre and the situationist critique of virtue ethics. *Journal of Religious Ethics*, 48(1), 7-25. <https://doi.org/10.1111/jore.12297>
- Davidson, B., & Irwin, W. (2002). The functional neuroanatomy of emotion and affective style. En J. T. Cacioppo, G. G. Berntson, R. Adolphs, et al., (Eds.), *Foundations in Social Neuroscience* (pp. 473-490). Cambridge, MA: MIT Press. <https://doi.org/10.7551/mitpress/3077.003.0035>

- Davidson, J. R. (1976, primavera). The physiology of meditation and mystical states of consciousness. *Perspectives in Biology and Medicine*, 345-379. <https://doi.org/10.1353/pbm.1976.0042>
- Davis, D., & Hayes, J., A. (2011). What are the benefits of mindfulness? A practice review of psychotherapy-related research. *Psychotherapy*, 48(2), 198-208. [http://doi.org/10.1037/a0022062](https://doi.org/10.1037/a0022062)
- Dawes, G. W., & MacLaurin, J. (Eds.). (2013). *A new science of religion*. New York: Routledge. <https://doi.org/10.4324/9780203086131>
- Dawkins, R. (2008). *The God delusion*. Boston: HarperCollins.
- De Gregorio, D., Aguilar-Valles, A., Preller, K. H., Heifets, B. D., Hibicke, M., Mitchell, J., & Gobbi, G. (2021, febrero 3). Hallucinogens in mental health: Preclinical and clinical studies on LSD, psilocybin, MDMA, and ketamine. *Journal of Neuroscience*, 41(5), 891-900. Obtenido de <https://doi.org/10.1523/JNEUROSCI.1659-20.2020>.
- De Haan, D. D. (2018). Hylomorphism and the new mechanist philosophy in biology, neuroscience, and psychology. En W. Simpson, R. Koons, & N. The (Eds), *Neo-Aristotelian perspectives on contemporary science* (pp. 1-27). Oxfordshire, U.K.: Routledge. <https://doi.org/10.4324/9781315211626-15>
- De Haan, D. D. (2020). Philosophical hazards in the neuroscientific study of religion. En A. Coles & J. Colicutt (Eds.), *Neurology and religion* (pp. 48-70). Cambridge, U.K.: Cambridge University Press. <https://doi.org/10.1017/9781316014165.007>
- Deacon, T. W. (1997). *The symbolic species: The co-evolution of language and the brain*. Scranton, PA: W. W. Norton.
- Deeley, P. Q. (2004, diciembre). The religious brain: Turning ideas into convictions. *Anthropology & Medicine*, 11(3), 245-267. <https://doi.org/10.1080/1364847042000296554>
- Dehaene, S., & Changeux, J. P. (2000). Reward-dependent learning in neuronal networks for planning and decision making. *Progress in Brain Research*, 126, 217-229. [https://doi.org/10.1016/S0079-6123\(00\)26016-0](https://doi.org/10.1016/S0079-6123(00)26016-0)
- Dehaene, S., & Cohen, L. (2011, junio). The unique role of the visual word form area in reading. *Trends in Cognitive Sciences*, 15(6). doi:10.1016/j.tics.2011.04.003. <https://doi.org/10.1016/j.tics.2011.04.003>
- DeKlerk, B. J., & Kruger, F. P. (2016). Continuous formation of liturgy through social cognition, *Theological Studies*, 72. Obtenido de <http://dx.doi.org/10.4102/hts.v72i3.3170>. <https://doi.org/10.4102/hts.v72i3.3170>
- Delio, I. (2003, septiembre). Brain science and the biology of belief: A theological response. *ZYGON: Journal of Religion and Science*, 38(3), 573-585. doi: 10.1111/1467-9744.00522. <https://doi.org/10.1111/1467-9744.00522>
- Delio, I. (2013). Faith and the cosmos. *America*. En P. McCaffrey (Ed.). *Faith and Science*. Ipswich, MA: EBSCO.
- Depue, R. A., Luciana, M., Arbisi, R., Collins, P., & Leon, A. (2002). Dopamine and the structure of personality: Relation of agonist-induced dopamine activity to positive emotionality. En J. T. Cacioppo, G. G. Berntson, R. Adolphs, et al., (Eds.), *Foundations in Social Neuroscience* (pp. 1071-1092). Cambridge, MA: MIT Press. <https://doi.org/10.7551/mitpress/3077.003.0075>

- Desikan, R. S., Ségonne, Fischl, B., Quinn, B. T., Dickerson, B. C., & Killiany, R. J. (2006). An automated labeling system for subdividing the human cerebral cortex on MRI scans into gyral-based regions of interest. *Neuroimage*, 31(3), 968-980. <https://doi.org/10.1016/j.neuroimage.2006.01.021>
- Devine, A. (1911/2023). Passionists. En *The Catholic encyclopedia*. New York: Robert Appleton. Obtenido de <http://www.newadvent.org/cathen/11521d.htm>
- Devinsky, O., & Lai, G. (2008, mayo). Spirituality and religion in epilepsy. *Epilepsy and Behavior*, 12(4), 636-643. Obtenido de <https://doi.org/10.1016/j.yebeh.2007.11.011>.
- Díaz, J.-L. (2000, septiembre). Mind-body unity, dual aspect, and the emergence of consciousness. *Philosophical Psychology*, 13(3), 393-403. <https://doi.org/10.1080/09515080050128187>
- DiChiara, G. (1995). The role of dopamine in drug abuse viewed from the perspective of its role in motivation. *Drug and Alcohol Dependence*, 38, 95-137. [https://doi.org/10.1016/0376-8716\(95\)01118-I](https://doi.org/10.1016/0376-8716(95)01118-I)
- Dillern, T. (2020). The act of knowing: Michael Polanyi meets contemporary natural science. *Foundations of Science*, 25, 573-585. Obtenido de <https://doi.org/10.1007/s10699-019-09626-3>.
- DiPaolo, E., & De Jaegher, H. (2012). The interactive brain hypothesis. *Frontiers in Human Neuroscience*, 6. Article 163. Obtenido de <https://doi.org/10.3389/fnhum.2012.00163>.
- Dixon, S., & Wilcox, G. (2016). The counseling implications of neurotheology: A critical review. *Journal of Spirituality in Mental Health*, 18(2), 98-107. doi: 10.1080/19349637.2015.1064804. <https://doi.org/10.1080/19349637.2015.1064804>
- Dodds, M. J. (2009). Hylomorphism and human wholeness: Perspectives on the mind-brain problem. *Theology and Science*, 7(2), 141-162. doi: 10.1080/14746700902796759. <https://doi.org/10.1080/14746700902796759>
- Dodds, M. J. (2014). *Philosophical anthropology*. (2<sup>a</sup> ed.). Oakland, CA: Western Dominican Province.
- Dodds, M. J. (2017). *Unlocking divine action: Contemporary science and Thomas Aquinas*. Washington DC: Catholic University of America Press.
- Dodds, M. J. (2019, verano). The reality of the soul in an age of neuroscience. *Nova et Vetera*, 17(3), 893-912. doi: 10.1353/nov.2019.0056. <https://doi.org/10.1353/nov.2019.0056>
- Dorman, D. (2021). The liturgical brain: Neuroscience of habit. Obtenido de <https://godandnature.asa3.org/dorman-liturgical-brain.html>. <https://doi.org/10.1201/9780429352874-1>
- Downey, M. (Ed.). (1993). *New dictionary of Catholic spirituality*. Collegeville, MN: Liturgical Press.
- du Toit, D. (2015). *What science? Whose theology? A reformed theological response to Andrew Newberg's neurotheological model*. (Tesis de Máster inédita). University of Stellenbosch, Cape Town, South Africa.
- Duke, M. (2018). A loving kind of knowing: Connatural knowledge as a means of knowing God in Thomas Aquinas's *Summa Theologica*. *Lumen et Vita* 8, 12-18. <https://doi.org/10.6017/lv.v8i2.10506>

- Dunn, B. R., Hartigan, J. A., & Mikulas, W. L. (1999). Concentration and mindfulness meditations: unique forms of consciousness? *Applied psychophysiology and biofeedback*, 24(3), 147–165. <https://doi.org/10.1023/a:1023498629385>
- Dunne, T. (2003). Generalized empirical method in ethics. Obtenido de [https://www.academia.edu/32843646/Generalized\\_Empirical\\_Method\\_in\\_Ethics](https://www.academia.edu/32843646/Generalized_Empirical_Method_in_Ethics).
- Durkheim, E. (1915/1969/2016). *Elementary forms of the religious life: A study in religious sociology*. Oxford, U.K.: Oxford University Press.
- Edwards, K. J. (2015). When Word meets Flesh: A neuroscience perspective on embodied Spiritual Formation. *Journal of Psychology and Christianity* 34, 228-239.
- Egan, H. D. (1993a). Affirmative way. En M. Downey (Ed.), *The new dictionary of Catholic spirituality* (pp. 14-17). Collegeville, MN: Liturgical Press.
- Egan, H. D. (2013). The mystical theology of Karl Rahner. *The Way*, 52, 43-62.
- Egan, H.D. (1993b). Negative way. En M. Downey. *The new dictionary of Catholic spirituality* (pp. 700-04). Collegeville, MN: Liturgical Press.
- Ekstrom, R. R. (1982). *New concise Catholic dictionary*. Mystic, CN: Twenty-Third.
- Eliade, M. (1958). *Rites and symbols of initiation: The mysteries of birth and rebirth*. Dallas, TX: Spring Publications.
- Eliade, M. (1959). *The sacred and the profane: The nature of religion*. New York: Harcourt Brace Jovanovich.
- Eliade, M. (1968). *Myth and reality*. Scranton, PA: HarperCollins.
- Ellis, G. F. (2009). Top-down causation and the human brain. En N. Murphy, G. F. R Ellis, & T. O'Connor (Eds.), *A downward causation and the neurobiology of free will* (pp. 63-82). Berlin-Heidelberg: Springer-Verlag. [https://doi.org/10.1007/978-3-642-03205-9\\_4](https://doi.org/10.1007/978-3-642-03205-9_4)
- Ellis, R. D. (1999, Spring). Integrating neuroscience and phenomenology in the study of consciousness. *Journal of Phenomenological Psychology*, 30(1), 1-27. doi: 10.1163/156916299X00020. <https://doi.org/10.1163/156916299X00020>
- Emmons, R. A., & McNamara, P. (2006). Sacred emotions and affective neuroscience: Gratitude, costly signaling, and the brain. En P. McNamara (Ed.), *Where God and science meet: How brain and evolutionary studies alter our understanding of religion* (pp. 11-30). Westport, CT: Praeger. <https://doi.org/10.5040/9798216193777>
- Encyclopedia Britannica*. (2018). *Psychokinesis*. *Encyclopedia Britannica*. Obtenido de <https://www.britannica.com/topic/psychokinesis>
- Encyclopedia Britannica*. (2023). Basilian. Obtenido de <http://basilian.org/en/about-us/our-charism/>
- Encyclopedia Britannica*. (2023). Cistercian. Obtenido de <http://www.britannica.com/topic/Cistercians>
- Encyclopedia Britannica*. (2023). Epistemology. Obtenido de <https://www.britannica.com/topics/epistemology>
- Encyclopedia Britannica*. (2023). History of science. Obtenido de <https://www.britannica.com>
- Encyclopedia Britannica*. (2023). Oratorian. Obtenido de <https://www.britannica.com/topic/Oratorians>

- Encyclopedia Britannica.* (2023). Poor Clare Spirituality. Obtenido de <https://www.britannica.org>
- Englander, Z. A., Haidt, J., & Morris, J. P. (2012). Neural basis of moral elevation demonstrated through inter-subject synchronization of cortical activity during free-viewing. *Plos One*, 7, e39384. doi: 10.1371/journal.pone.0039384. Public Library of Science. <https://doi.org/10.1371/journal.pone.0039384>
- Evans, D. (1989). Can philosophers limit what mystics can do? A critique of Steven Katz. *Religious Studies*, 25(1). 53-60. <https://doi.org/10.1017/S0034412500019715>
- Exline, J. (2013). Religious and spiritual struggles. En K. I. Pargament (Ed.), *APA handbook of psychology, religion, and spirituality: Context, theory, and research* (pp. 459-475). Washington, DC: American Psychological Association. <https://doi.org/10.1037/14045-025>
- Exline, J. J., & Geyer, A. L. (2004, abril-Junio). Perceptions of humility: A preliminary study. *Self and Identity*, 3(2), 95-114. <https://doi.org/10.1080/13576500342000077>
- Fagerberg, D. (2019). *Liturgical mysticism*. Steubenville, OH: Emmaus Academic.
- Fakhri, O. (2021). The ineffability of God. *International Journal for Philosophy of Religion*, 89, 25-41. <https://doi.org/10.1007/s11153-020-09762-y>
- Bayard, C., Pereau, M. J., and Ciovica, A. (2009). "Love the Lord with all your mind": Explorations on a possible neurobiology of the experience of God and some implications for the practice of psychotherapy. *Journal of Psychology and Christianity*, 28, 167-181.
- Ferguson, M. A., Schaner, F. L. W. V. J., Cohen, A., Siddiqi, Sh., Merrill, S. M., Nielsen, J. A. & Fox, M. A. (2022, febrero). A neural circuit for spirituality and religiosity derived from patients with brain lesions. *Biological Psychiatry*, 91(4), 380-388. <https://doi.org/10.1016/j.biopsych.2021.06.016>
- Ferguson, M. A., Schaper, F. L. W. V. J., Cohen, A., Siddiq, S., Merrill, S. M., Nielsen, J. A., Fox, M. D. (2022). A neural circuit for spirituality and religiosity derived from patients with brain lesions. *Biological Psychiatry*, 91(4), 380-388. doi: 10.1016/j.biopsych.2021.06.016. <https://doi.org/10.1016/j.biopsych.2021.06.016>
- Fields, S. (1996, junio). Balthasar and Rahner on the spiritual senses. *Theological Studies*, 57(2), 224-241. doi: 10.1177/004056399605700202. <https://doi.org/10.1177/004056399605700202>
- Finglehurts, A., & Finglehurts, A. (2009). Is our brain hardwired to produce God, or is our brain hardwired to perceive God? A systematic review on the role of the brain in mediating religious experience. *Cognitive Process*, 10, 293-326. <https://doi.org/10.1007/s10339-009-0261-3>
- Fishbane, M. D. (2019, diciembre). Healing intergenerational wounds: An integrative relational-neurobiological approach. *Family Process*, 58(4). Obtenido de <https://web-s-ebscohost-com.eresources.cuyahogalibrary.org/ehost/detail/detail?vid=56sid=25621a8b-8c17-41a8>. <https://doi.org/10.1111/famp.12488>
- Flippen, D. (2006, Spring). Was John Paul II a Thomist or a Phenomenologist? En *Faith and Reason* (pp. 65-106). Front Royal, VA: Christendom College. Obtenido de <https://www.catholicculture.org/culture/library/view.cfm?Recnum=8105>.

- Fontana, L. L. B. (2018). Human transcendence as a locus of revelation and foundation for theological work: Implications from Rahner's *Hearer of the Word*. *Teocomunicacao*, 48(1), 82-96. doi: 10.15448/1980-6736.2018.1.31907. <https://doi.org/10.15448/1980-6736.2018.1.31907>
- Forman, R. K. C. (1999). *Mysticism, mind, consciousness*. Albany, NY: State University of New York Press. <https://doi.org/10.1515/9781438403021>
- Fowler, J. W. (1981/1995). *Stages of faith: The psychology of human development and the quest for meaning*. San Francisco, CA: HarperOne.
- Fowler, J. W. (1991). *Weaving the new creation: Stages of faith and the public church*. New York: HarperCollins. <https://doi.org/10.1002/cd.23219915204>
- Fox, K. C., Dixon, M.L., Nijeboer, S., Girn, M., Floman, J. L., Litshitz, M., et al., (2016). Functional neuroanatomy of meditation: A review and meta-analysis of 78 functional neuroimaging investigations. *Neuroscience & Biobehavioral Review*, 2016, 65, 208-228. <https://doi.org/10.1016/j.neubiorev.2016.03.021>
- Fox, K. C., Nijeboer, S., Dixon, M. L., Floman, J. L., Ellamil, M., Rumak, S. P. et al. (2014). Is meditation associated with altered brain structure? A systematic review and meta-analysis of morphometric neuroimaging in meditation practitioners. *Neuroscience & Biobehavioral Reviews*, 2014, 43, 48-72. <https://doi.org/10.1016/j.neubiorev.2014.03.016>
- Fox, T. C. (2004, febrero 27). Mapping the spirituality of Catholicism. [Reseña del libro *What makes us Catholic: Eight Gifts for Life* de T. H. Groome]. *National Catholic Reporter*, 40(17), 21.
- Francisco, Papa. (2013, noviembre 24). *Evangelii Gaudium*: Apostolic exhortation on the proclamation of the Gospel in today's world. 242, 243. Obtenido de [https://www.vatican.va/content/francesco/en/apost\\_exhortations/documents/papa-francesco\\_esortazione-ap\\_20131124\\_evangelii-gaudium.html](https://www.vatican.va/content/francesco/en/apost_exhortations/documents/papa-francesco_esortazione-ap_20131124_evangelii-gaudium.html).
- Francisco, Papa. (2017, noviembre 18). Discurso de Su Santidad el Papa Francisco a los participantes en la sesión plenaria del Consejo Pontificio para la Cultura. Obtenido de [www.vatican.va/content/francesco/en/speeches/2017/november/documents/papa-francesco\\_20171118\\_plenariacultura.html](https://www.vatican.va/content/francesco/en/speeches/2017/november/documents/papa-francesco_20171118_plenariacultura.html)
- Francisco, Papa. (2018). *Gaudete and Exsultate*: Sobre la llamada a la santidad en el mundo actual. Obtenido de [http://www.vatican.va/content/vatican/en/search.html?q=Gaudete+et+exsultate](https://www.vatican.va/content/vatican/en/search.html?q=Gaudete+et+exsultate)
- Francisco, Papa. (2021). Mensaje en vídeo de Su Santidad el Papa Francisco a los participantes en la V Conferencia Internacional titulada, "Exploring the mind, body, and soul: How innovation and novel delivery systems improve human health." Obtenido de [www.vatican.va/content/francesco/en/messages/pont-messages/2021/documents/papa-francesco\\_20210508\\_videomessaggio-mindbodysoul](https://www.vatican.va/content/francesco/en/messages/pont-messages/2021/documents/papa-francesco_20210508_videomessaggio-mindbodysoul)
- Francisco, Papa. (2022). Discurso del Santo Padre Francisco a los participantes en el simposio promovido por el Dicasterio para las Causas de los Santos. Obtenido de <https://www.vatican.va/content/francesco/en/speeches/2022/06/21/convegno-causadesanti.html>
- Frankl, V. E. (1993). *Man's search for meaning: an introduction to logotherapy*. Cutchogue, NY: Buccaneer Books.
- Frankl, V. E. (2014). *The will to meaning: Foundations and applications of logotherapy*. New York: Penguin USA.

- Freud, S. (1895/2004). *Studies in hysteria*. London, U.K.: Penguin Classics.
- Froese, T. (2015). Enactive neuroscience, the direct perception hypothesis, and the socially extended mind. (Manuscrito inédito para *Behavior and Brain Sciences*). Obtenido de <https://www.academia.edu>. <https://doi.org/10.1017/S0140525X14000892>
- Fukuyama, M. A., & Sevig, T. D. (1999). *Integrating spirituality into multicultural counseling: Multicultural aspects of series 13*. Thousand Oaks, CA: Sage. <https://doi.org/10.4135/9781452231945>
- Gailliardetz, R. R., & Clifford, C. E. (2012). *Keys to the Council: Unlocking the teaching of Vatican II*. Collegeville, MN: Liturgical Press.
- Gaitan, L. M. (2017). *Neurotheology*. Obtenido de <https://www.academia.edu>.
- Gaitan, L. M., & Castresana, J. S., & Zollner, H. (2021). Is an integrative model of neurotheology possible? *Religions*, 12(4), 1-11. Obtenido de <https://mdpi.com/journal/religions>. doi: 10.3390/rel12040277. <https://doi.org/10.3390/rel12040277>
- Galanter, M., Hansen, H., & Potenza, M. N. (2021) The role of spirituality in addiction medicine: A position statement from the spirituality interest group of the International Society of Addiction Medicine. *Substance Abuse*, 42(3), 269-271. <https://doi.org/10.1080/08897077.2021.1941514>
- Gall, T. L. & Guirguis-Young, M. (2013). Religious and spiritual coping: Current theory and research. En K. I. Pargament (Ed.), *APA handbook of psychology, religion, and spirituality: Context, theory, and research* (pp. 349-364). Washington, DC: American Psychological Association. <https://doi.org/10.1037/14045-019>
- Gallagher, H. L., & Frith, C. (2003). Functional imaging of "theory of mind." *Trends in Cognitive Sciences*, 7(2), 77-83. [https://doi.org/10.1016/S1364-6613\(02\)00025-6](https://doi.org/10.1016/S1364-6613(02)00025-6)
- Gambrel, L. E., Faas, C., Kaestle, C. E., & Savla, J. (2016, febrero 12). Interpersonal neurobiology and couple relationship quality: A longitudinal model. *Contemporary Family Therapy*. doi: 10.1007/s10591-061-9381-y. <https://doi.org/10.1007/s10591-016-9381-y>
- Garcia-Valdecasas, M. (2005, septiembre). Psychology and mind in Aquinas. *History of Psychiatry*, 16, 291-310. doi: 10.1177/0957154X05051920. <https://doi.org/10.1177/0957154X05051920>
- Garrigou-Lagrange, R. (1937). *Christian perfection and contemplation*. Freiburg, Germany: B. Herder.
- Gay, V. P. (Ed.). (2009). *Neuroscience and religion: Brain, mind, self, and soul*. Lanham, MD: Lexington.
- Geertz, A. W. (2008). How not to do cognitive science of religion today. *Method and Theory in the Study of Religion*, 20, 7-21. <https://doi.org/10.1163/157006808X260232>
- Geertz, A. W. (2010). Brain, body, and culture: A biocultural theory of religion. *Method and Theory in the Study of Religion*, 22(4), 304-321. doi: 10.1163/157006810X531094. <https://doi.org/10.1163/157006810X531094>
- Geertz, C. (1993/2017). *Religion as a cultural system*. En *The Interpretation of Cultures*. New York: Fontana Books.

- Gellhorn, E., & Keily, W. F. (1972). Mystical states of consciousness: Neurophysiological and clinical aspects. *Journal of Nervous and Mental Disease*, 154, 399-405. <https://doi.org/10.1097/00005053-197206000-00002>
- George, M. (2020). Neuroscience and the human soul [Audio recording]. The Thomistic Enstitute. Obtenido de <https://www.soundcloud.com/thomisticinstitute/neuroscience-and-the-human-soul-prof-marie-george>
- Gervais, W., Willard, A., Norenzayan, A., & Henrich, J. (2011). The cultural transmission of faith: Why innate intuitions are necessary, but insufficient, to explain religious belief. *Religion*, 41, 6. <https://doi.org/10.1080/0048721X.2011.604510>
- Gilson, E. (1932/1991). *The spirit of medieval philosophy*. South Bend, IN: Notre Dame University Press.
- Goleman, D., & Thurman, R. A. F. (Eds.). (1991). *MindScience: An east-west dialogue*. Boston, MA: Wisdom Publications.
- Golink, R. A., Meijboom, R., Vernooy, M. W., Smits, M., Hunink, M. M., (2016). Eight-week mindfulness-based stress reduction induces brain changes similar to traditional long-term meditation practice—A systematic review. *Brain and Cognition*, 108, 32-41. Obtenido de <https://doi.org/10.1016/j.bandc.2016.07.001> PMID:27429096
- Goodman, R. (2021, Spring). William James. En *The Stanford encyclopedia of philosophy*. Obtenido de <https://plato.stanford.edu/archives/spr2022/entries/james>
- Gordon, I., Vander Wyk, B.C., Bennet, R. H., Cordeaux, C., Lucas, M. V., Elbott, J. A., Pelpfrey, K. A. (2013). Oxytocin enhances brain function in children with autism. *Proceedings of the National Academy of Sciences*, 110(52), 20953-20958. Obtenido de <http://www.pnas.org/cgi/doi/10.1073/pnas.1312857110> <https://doi.org/10.1073/pnas.1312857110>
- Graf, F.W. (2007). God's brain: Some critical remarks on modern neurotheology. *European Review*, 15, 257-264. <https://doi.org/10.1017/S1062798707000257>
- Granfield, D. (1991). *Heightened consciousness: The mystical difference*. Mahwah, NY: Paulist.
- Grassie, W. (2008). The new sciences of religion. *Zygon: Journal of Religion and Science*, 43(1), 127-158. doi: 10.1111/j.1467-9744.2008.00903.x. <https://doi.org/10.1111/j.1467-9744.2008.00903.x>
- Gregson, V. (Ed.). (1988). *The desires of the human heart: An introduction to the theology of Bernard Lonergan*. Mahwah, NJ: Paulist.
- Grialou, Marie-Eugene. (1986). *I want to see God: A practical synthesis of Carmelite spirituality*. Westminster, MD: Christian Classics.
- Griffiths, T. L., Kemp, C., and Tenenbaum, J. B. (2008). Bayesian models of cognition. En R. Sun (Ed.), *The Cambridge handbook of computational psychology* (pp. 59-100). Cambridge, U.K.: Cambridge University Press. <https://doi.org/10.1017/CBO9780511816772.006>
- Grim, B.J., & Grim M. E. (2019). Belief, behavior, and belonging: How faith is indispensable in preventing and recovering from substance abuse. *Journal of Religion and Health*, 58(5), 1713-1750. doi: 10.1007/s10943-019-00876-w. <https://doi.org/10.1007/s10943-019-00876-w>
- Guardini, R. (1954). *The Lord*. Chicago, IL: Henry Regnery.

- Guntrip, H. (1952). The psychotherapist is a parent and exorcist. En J. Hazell (Ed.), *Personal relations therapy: The collected papers of H. J. S. Guntrip* (pp. 63-88). Northvale, NJ: Jason Aronson.
- Guthrie, S. E. (1993). *Faces in the clouds: A new theory of religion*. Oxford, U.K.: Oxford University Press. <https://doi.org/10.1093/oso/9780195069013.001.0001>
- Haggerty, D. (2022). *Saint John of the Cross: Master of contemplation*. San Francisco: Ignatius.
- Haidt, J. (2001). The emotional dog and its rational tail: A social intuitionist approach to moral judgment. *Psychological Review*, 108(4), 814-834. doi: 10.1037/0033-295X.108.4.814. <https://doi.org/10.1037/0033-295X.108.4.814>
- Hamer, D. (2005). *The God gene: How faith is hardwired into our genes*. New York: Anchor Knopf Doubleday.
- Hampson, P. (2019). [Reseña del libro *The brain, the mind, and the person within: The enduring mystery of the Soul*, de M. Cosgrove]. *Science and Christian Belief*, 31(2), 217-218.
- Han, H. (2016). How can neuroscience contribute to moral philosophy, psychology, and education based on Aristotelian virtue ethics? *International Journal of Ethics Education*, 1, 201-217. <https://doi.org/10.1007/s40889-016-0016-9>
- Han, H., Chen, J., Jeong, C., & Glover, G. H. (2016). Influence of the cortical midline structures on moral emotion and motivation in moral decision-making. *Behavioral Brain Research*, 302, 237-251. doi:10.1016/j.bbr.2016.01.001.
- Han, H., Glover, G. H., & Jeong, C. (2014). Cultural influences on the neural correlate of moral decision-making processes. *Behavioral Brain Research*, 259, 215-228. doi.10.1016/j.bbr2013.11.012. <https://doi.org/10.1016/j.bbr.2013.11.012>
- Han, S., Mao, L., Gu, X., Zhu, Y., Ge, J., & Ma, Y. (2008, marzo). Neural consequences of religious belief on self-referential processing. *Social Neuroscience*, 3(1), 1-15. <https://doi.org/10.1080/17470910701469681>
- Han, S., Northoff, G., Vogeley, K., Wexler, B. E., Kitayama, S., & Varnum, M. E. W. (2013). A cultural neuroscience approach to the biosocial nature of the human brain. *Annual Review of Psychology*, 64, 333-359. doi: 10.1146/annurev-psych-071112-054629. <https://doi.org/10.1146/annurevpsych-071112-054629>
- Happel, S. (1989). The sacraments: Symbols that redirect our desires. En V. Gregson (Ed.). *The desires of the human heart: An introduction to the theology of Bernard Lonergan* (pp. 237-254). Mahwah, NJ: Paulist.
- Hardon J. A. (2001, Spring). The meaning of virtue in St. Thomas Aquinas. *Faith and Reason: The Journal of Christendom College*, 26, 1-6.
- Hardon, J. A. (1980). *Modern Catholic dictionary*. Garden City, NY: Doubleday.
- Hatefi, M., Tarjoman, A., & Borji, M. (2019). Do religious coping and attachment to God affect perceived pain? Study of the elderly with chronic back pain. *Journal of Religion and Health*, 58(2), 465-475. doi: 10.1007/s10943-018-00756-9. <https://doi.org/10.1007/s10943-018-00756-9>

- Hazan, C., & Shaver, P. (1987). Romantic love conceptualized as an attachment process. *Journal of Personality and Social Psychology*, 52, 511-524. <https://doi.org/10.1037/0022-3514.52.3.511>
- Hefling, C. C. (1988). Philosophy, theology, and God. En V. Gregson (Ed.). *The desires of the human heart: An introduction to the theology of Bernard Lonergan*. New York: Paulist Press.
- Heiden, P., Heinz, A., & Sieferth, N. R. (2017). Pathological gambling in Parkinson's disease: What are the risk factors, and what is the role of impulsivity? *European Journal of Neuroscience*, 45(1), 67-72. doi: 10.1111/ejn.13396. <https://doi.org/10.1111/ejn.13396>
- Helminiak, D. (2010). "Theistic psychology and psychotherapy:" A theological and scientific critique. *Zygon*, 45(1), 47-74. doi: 10.1111/j.1467-9744.2010.01058.x. <https://doi.org/10.1111/j.1467-9744.2010.01058.x>
- Helminiak, D. A. (2006, marzo). The role of spirituality in formulating a theory of the psychology of religion. *Zygon*, 1(1), 191-224. doi: 10.1111/j.1467-9744.2006.00733.x. <https://doi.org/10.1111/j.1467-9744.2006.00733.x>
- Helminiak, D. A. (2015). *Brain, consciousness, and God: A Lonerganian integration*. Albany, NY: University of New York Press. <https://doi.org/10.1515/9781438457161>
- Helminiak, D. A. (2021, abril). A genuinely scientific psychology based on Lonergan's analysis of consciousness. *Clinical Psychiatry*, 7, 1-4. Obtenido de <http://www.imedpub.com>
- Henson, D., Morrill, B., & Barina, R. (2023). Healing health care: Moving the sacramental tradition from the edges to the center of Catholic healthcare. Conference on Medicine and Religion. Obtenido de <http://www.medicineandreligion.com>
- Hess, N. J., & Allen, P. L. (2008). *Catholicism and science*. Westport, CT: Greenwood. <https://doi.org/10.5040/9798400623882>
- Heyes, C., & Catmur, C. (2022). What happened to mirror neurons? *Perspectives on Psychological Science*, 17(1), 153-168. Obtenido de <http://www.psychologicalscience.org/PPS> doi: 10.1177/1745691621990638. <https://doi.org/10.1177/1745691621990638>
- Hickok, G. (2008). Eight problems for the mirror neuron theory of action understanding in monkeys and humans. *Journal of Cognitive Neuroscience*, 21(7), 1229-1243. doi: 10.1162/jocn.2009.21189. <https://doi.org/10.1162/jocn.2009.21189>
- Hickok, G. (2014). *The myth of mirror neurons: The real neuroscience of communication and cognition*. New York: W. W. Norton & Company.
- Highfield, R. (1995). The freedom to say "No"? Karl Rahner's doctrine of sin. *Theological Studies*, 56(3), 485-505. doi: 10.1177/004056399505600304. <https://doi.org/10.1177/004056399505600304>
- Hilgers, J. (1912). Scapular. En *The Catholic encyclopedia*. New York: Robert Appleton. En *New Advent Catholic Encyclopedia*. Obtenido de <https://www.newadvent.org/cathen/13508b>
- Hill, P. C., & Hood, R. W. (1999). *Measures of religiosity*. Birmingham, AL: Religious Education Press.

- Hill, P. C., & Pargament, K. I. (2003, enero). Advances in the conceptualization and measurement of religion and spirituality: Implications for physical and mental health research. *American Psychologist*, 58(1). pp. 64-74. doi: 10.1037/0003-066X.58.1.64. <https://doi.org/10.1037/0003-066X.58.1.64>
- Hobson, R. P., & Bishop, M. (2003) The pathogenesis of autism: Insights from congenital blindness. *Philosophical Transactions of the Royal Society B: Biological Sciences* 358, 335-344. <https://doi.org/10.1098/rstb.2002.1201>
- Hoche, F., Guell, X., Sherman, J. C., Vangel, M. G., & Schmahmann, J. D. (2016). Cerebellar contribution to social cognition. *Cerebellum*, 15(6), 732-743. doi: 10.1007/s12311-015-0746-9. <https://doi.org/10.1007/s12311-015-0746-9>
- Hochman, E. Y., Vaidya, A. R., & Fellows, L. K. (2014). Evidence for a role for the dorsal anterior cingulate cortex in disengaging from an incorrect action. *Plos ONE*, 9(6), 1-11. doi: 10.1371/journal.pone.0101126. <https://doi.org/10.1371/journal.pone.0101126>
- Hoffman, L. W., & Strawn, B.D. (2009). Normative thoughts, normative feelings, normative actions: A Protestant, relational psychoanalytic reply to E. Christian Brugger and the faculty of IPS. *Journal of Psychology and Theology*, 37, 125-136. <https://doi.org/10.1177/009164710903700204>
- Hoffman, T., & Michon, C. (2017, mayo). *Aquinas on free will and intellectual determinism*. Obtenido de <http://www.philosophersimprint.org/017005>
- Hole, S. (2017). [Reseña del libro *Neuroscience and the soul: The human person in philosophy, science, and theology*, de T. M. Crisp, S. L. Porter, and G. A. Ten Elshof (Eds.)]. *Reviews in Religion and Theology*, 24(3), 460-462. doi: 10.1111/rirt.12974. <https://doi.org/10.1111/rirt.12974>
- Hollingsworth, A. (2008). Neuroscience and spirituality: Implications of interpersonal neurobiology for a spirituality of compassion. *Zygon: Journal of Religion and Science*, 43, 837-860. <https://doi.org/10.1111/j.1467-9744.2008.00963.x>
- Hood, R. W. Jr. (2006). The common core thesis in the study of mysticism. En P. McNamara (Ed.), *Where God and science meet, Vol. 3: The psychology of religious experience* (pp. 119-138). Westport, CT: Praeger.
- Hood, R. W., & Chen, Z. (2013). The social scientific study of Christian mysticism. En J. A. Lemm (Ed.), *The Wiley-Blackwell companion to Christian mysticism* (pp. 577-591). West Sussex, U.K.: John Wiley & Sons. <https://doi.org/10.1002/9781118232729.ch38>
- Hood, R. W., Jr. (2002). The mystical self: Lost and found. *International Journal for the Psychology of Religion*, 12(1), 1-14. [https://doi.org/10.1207/S15327582IJPR1201\\_01](https://doi.org/10.1207/S15327582IJPR1201_01)
- Horvat, S. (2017). Neuroscientific findings in the light of Aquinas' understanding of the human being. *Scientia et Fides*, 5, 1-27. <https://doi.org/10.12775/SetF2017.021>
- Houston, P. (2021). Expanding historical theological perspectives through transdisciplinary meta-methodological engagement. *Studia Historiae Ecclesiasticae*, 47, 1-14. Obtenido de <http://dx.doi.org/10.25159/2412-4265/9150>. <https://doi.org/10.25159/2412-4265/9150>
- Howard-Jones, P. (2010). *Introducing neuroeducational research: Neuroscience, education, and the brain from context to practice*. Philadelphia, PA: Routledge. <https://doi.org/10.4324/9780203867303>

- Howells, E. (2002). *John of the Cross and Teresa of Avila: Mystical knowing and selfhood*. New York: Crossroad.
- Hugh of St. Victor. (1130/1992). The moral/mystical ark of Noah. En C. Mathuen & A. Spicer (Eds.), *Studies in Church history*, 28 (pp. 99-116). Cambridge, UK: University of Cambridge Press. <https://doi.org/10.1017/S0424208400012407>
- Hummer, R., Rogers, R., Nam, C., Ellison, C. G. (1999). Religious involvement and U.S. adult mortality. *Demography*, 36, 273-285. <https://doi.org/10.2307/2648114>
- Hunter, J. D. (1986, septiembre). [Reseña del libro *Habits of the heart: Endividualism and commitment in American life*]. *Journal for the Scientific Study of Religion*, 25(3), 373-374. doi: 10.2307/1386303. <https://doi.org/10.2307/1386303>
- Huxley, A. (1962/2009). *The island*. New York: Harper Perennial Modern Classics.
- Hyde, B. (2004). The plausibility of spiritual intelligence: Spiritual experience, problem-solving, and neural sites. *International Journal of Children's Spirituality*, 9(1), 39-52. <https://doi.org/10.1080/1364436042000200816>
- Immordino-Yang, M. H., McColl, A., Damasio, H., Damasio, A. (2009). Neural correlates of admiration and compassion. *Proceedings of the National Academy of Sciences, U.S.A.*, 106(19), 8021-8026. <https://doi.org/10.1073/pnas.0810363106>
- James, W. (1902/1958/2017). *The varieties of religious experience: A study in human nature*. Edinburgh, Scotland: CrossReach Publications. <https://doi.org/10.1037/10004-000>
- Jastrzebski, A. K. (2018). The neuroscience of spirituality: An attempt at critical analysis. *Pastoral Psychology*, 67(5), 515-524. doi: 10.1007/s11089-018-0840-2. <https://doi.org/10.1007/s11089-018-0840-2>
- Jeeves, M. (2013). *Minds, brains, souls, and gods: A conversation on faith, psychology, and neuroscience*. Downers Grove, IL: InterVarsity Press.
- Jeeves, M. A., & Ludwig, T. E. (2013). *Psychological science and Christian faith: Insights and enrichments from constructive dialogue*. Conshohocken, PA: Templeton.
- Jeeves, M. A., & Ludwig, T. E. (2018). *Psychological science and Christian faith: Insights and enrichments from constructive dialogue*. Conshohocken, PA: Templeton.
- Jeeves, M., & Brown, W. S. (2009). *Neuroscience, psychology, and religion: Illusions, delusions, and realities about human nature*. Conshohocken, PA: Templeton Foundation Press.
- Jeftic, A. (2013). Andrew Newberg's model of neurotheology: A critical overview. *Philotheos*, 13, 261-278. <https://doi.org/10.5840/philotheos20131323>
- Juan de la Cruz, Sto. (1591/1991). *The collected works of St. John of the Cross: the Ascent of Mount Carmel, the Dark Night, the Spiritual Canticle, the Living Flame of Love, Letters, and Minor Works*. Washington, DC: ICS Publications.
- Juan Pablo II, Papa. (1979). Apostolic Exhortation *Catechesi Tradendae*. Obtenido de [https://www.vatican.va/content/john-paul-ii/en/apost\\_exhortations/documents/hf\\_jp-ii\\_exh\\_16101979\\_catechesi-tradendae.html](https://www.vatican.va/content/john-paul-ii/en/apost_exhortations/documents/hf_jp-ii_exh_16101979_catechesi-tradendae.html)
- Juan Pablo II, Papa. (1983). *Code of Canon Law*. Obtenido de <a href="https://www.vatican.va>cic-cann1364-1399\_en

- Juan Pablo II, Papa. (1985, Julio 17). Church document: Scientists and God. Obtenido de <http://www.semscience.net>
- Juan Pablo II, Papa. (1988). Church document: Message to Rev. G. V. Coyne, S.J., Director of the Vatican Observatory. Obtenido de <http://www.semscience.net>
- Juan Pablo II, Papa. (1993). *Veritatis splendor* (El esplendor de la verdad). Obtenido de [https://www.vatican.va/content/john-paul-ii/en/encyclicals/documents/hf\\_jp-ii\\_enc\\_06081993\\_veritatis-splendor.html](https://www.vatican.va/content/john-paul-ii/en/encyclicals/documents/hf_jp-ii_enc_06081993_veritatis-splendor.html)
- Juan Pablo II, Papa. (1994). *Crossing the threshold of hope*. New York: Alfred A. Knopf Publishing.
- Juan Pablo II, Papa. (1996). Mensaje a la conferencia del Observatorio Vaticano sobre biología evolutiva y molecular. Obtenido de <http://www.ctns.org/research/past-research/scientific-perspectives-divine-action/neuroscience-and-person>
- Juan Pablo II, Papa. (1998). Encyclical letter: *Fides et ratio*, 29, 34. Obtenido de <http://www.semscience.net>
- Juan Pablo II, Papa. (2000). Discurso del Santo Padre Juan Pablo II en el XVIII Congreso Internacional de la Sociedad de Trasplantes. Obtenido de [http://www.vatican.va/content/john-paul-ii/en/speeches/2000/julsep/documents/hf\\_jpii\\_spe\\_20000829\\_transplants.html](http://www.vatican.va/content/john-paul-ii/en/speeches/2000/julsep/documents/hf_jpii_spe_20000829_transplants.html)
- Juan Pablo II, Papa. (2001). *Novo millennio Inuente*. At the beginning of the third millennium. Obtenido de [http://www.vatican.va/content/john-paul-ii/en/apost\\_letters/2001/documents/hf\\_jp-ii\\_apl\\_20010106\\_novo-millennio-ineunte.html](http://www.vatican.va/content/john-paul-ii/en/apost_letters/2001/documents/hf_jp-ii_apl_20010106_novo-millennio-ineunte.html)
- Juan Pablo II, Papa. (2003). Discurso de Juan Pablo II a los miembros de la Academia Pontificia de Ciencias (10 noviembre). Obtenido de [http://www.vatican.va/content/john-paulii/en/speeches/2003/november/documents/hf\\_jp-ii\\_spe\\_20031110\\_academy-sciences.html](http://www.vatican.va/content/john-paulii/en/speeches/2003/november/documents/hf_jp-ii_spe_20031110_academy-sciences.html)
- Johnston, W. (Ed.). (1996). *The cloud of unknowing and the book of privy counseling*. New York: Image Random House.
- Johnston, W. H. (2011, septiembre). Schools of spirituality: Drawing from the wealth of the Catholic tradition. *Catechist*. Obtenido de <http://www.catechist.com>
- Johnstone, B., Cohen, D., & Dennison, A. (2021, agosto 20). The integration of sensations and mental experiences into a unified experience: A neuropsychological model for the “sense of self.” *Neuropsychologia*, 159, 1-35. Obtenido de <https://www.sciencedirection.com/science/article/pii/S0028393221001901>. <https://doi.org/10.1016/j.neuropsychologia.2021.107939>
- Johnstone, B., Cohen, D., Konopacki, K., & Ghan, C. (2016). Selflessness as a foundation of spiritual transcendence: Perspectives from the neurosciences and religious studies. *International Journal for the Psychology of Religion*, 26(4), 287-303. doi: 10.1080/10508619.2015.1118328. <https://doi.org/10.1080/10508619.2015.1118328>
- Jones, M. K. (2015). The four transcendental imperatives of Bernard Lonergan. Obtenido de <https://equivalentexchange.blog/2015/12/09/the-four-transcendental-imperatives-of-bernard-lonergan>

- Jones, R. H. (2018). Limitations on the scientific study of mystical experiences. *Zygon: Journal of Science and Religion*, 53(4), 992-1017. <https://doi.org/10.1111/zygo.12468>
- Jones, R. H. (2018, diciembre). Limitations on the neuroscientific study of mystical experiences. *Zygon: Journal of Religion and Science*, 53(4), 992-1017. <https://doi.org/10.1111/zygo.12468>
- Jones, R., & Gellman, J. (2022, otoño). Mysticism. En E. N. Zalta (Ed.), *Stanford Encyclopedia of Philosophy*. Obtenido de <https://plato.stanford.edu/archives/fall2022/entries/mysticism>.
- Jordan, K. D., Niehus, K. L., & Feinstein, A. M. (2021). Ensecure attachment to God and interpersonal conflict. *Religions* 12(9), 1-12. Obtenido de <https://www.mdpi.com/journal/religions>. doi: 10.3390/rel12090739. <https://doi.org/10.3390/rel12090739>
- Jordan, K. D., Niehus, K. L., & Feinstein, A. M. (2021, septiembre). Ensecure attachment to God and interpersonal conflict. *Religions* 12(9), 739-739. <https://doi.org/10.3390/rel12090739>
- Jowett, B. (n.d.) Tripartite soul theory. Obtenido de <http://www.tripartite-soul-theory.com/platos-republic/chariot-allegory.html>.
- Jung, C. J. (1969). *On the nature of the psyche*. Princeton, NJ: Princeton University Press. <https://doi.org/10.1515/9780691214719>
- Kant, I. (1787/2088). *Critique of pure reason*. (M. Weigelt, Ed.). London, England: Penguin Classics.
- Kapogiannis, D., Barbey, A. K., Su, M., Zamboni, G., Kreuger, F., & Grafman, J. (2009). Cognitive and neural foundations of religious belief. *Proceedings of the National Academy of Sciences*, 106(12), 4876-4881. doi:10.1073/pnas.0811717106.
- Kapur, S. (2003). Psychosis as a state of aberrant salience: A framework linking biology, phenomenology, and pharmacology in schizophrenia. *American Journal of Psychiatry*, 160(1), 13-24. <https://doi.org/10.1176/appi.ajp.160.1.13>
- Kapur, S., Mizrahi, R., & Ming, L. (2005). From dopamine to salience to psychosis—linking biology, pharmacology, and phenomenology of psychosis. *Schizophrenia Research*, 79, 59-68. <https://doi.org/10.1016/j.schres.2005.01.003>
- Karatsoreos, I. N., Bhagat, S., Bloss, E. B., Morrison, J. H., & McEwen, B. S. (2011). Disruption of circadian clocks has ramifications for metabolism, brain, and behavior. *Proceedings of the National Academy of Sciences*, 108(4), 1657-1662. doi: 10.1073/pnas.1018375108. <https://doi.org/10.1073/pnas.1018375108>
- Karo, R., & Friedenthal, M. (2008). Kenosis, anamnesis, and our place in history: A neurophenomenological account. *Zygon*, 43(4), 823-836. <https://doi.org/10.1111/j.1467-9744.2008.00962.x>
- Kasamatsu, A., & Hirai, T. (1966). An electroencephalographic study on Zen meditation. *Folio Psychiatrica & Neurologica Japonica*, 20, 315-336. <https://doi.org/10.1111/j.1440-1819.1966.tb02646.x>
- Katz, S. T. (1978). Language, epistemology, and mysticism. En S. T. Katz (Ed.), *Mysticism and philosophical analysis* (pp. 22-74). New York: Oxford University Press.

- Katz, S. T. (Ed.). (1983). *Mysticism and religious traditions*. Oxford, U.K.: Oxford University Press.
- Kavanaugh, K. & Lisi, C. (2010). Teresa of Avila. *The interior castle: Study edition*. Trad. K. Kavanaugh & O. Rodriguez. Washington, DC: Enstitute of Carmelite Studies.
- Kavanaugh, K., & Rodriguez, O. (Trad.). (1991). *The collected works of St. John of the Cross*. Washington, DC: Enstitute of Carmelite Studies.
- Kellert, S. H., Longino, H. E., & Waters, C. K. (Eds.). (2006). *Scientific pluralism. Minnesota Studies in the Philosophy of Science*, Minneapolis, MN: University of Minnesota Press.
- Kelly, E. F., & Gross, M. (2007). Mystical experience. En Kelly, E. F., Kelly E. W., Crabtree, A., Gauld, A., Gross, M., & Greyson, B, *Irreducible mind: Toward a psychology for the 21st century* (pp. 495-575). Lanham, MD: Rowman & Littlefield.
- Kelly, G. B. (Ed.). (1992). *Karl Rahner: Theologian of the graced search for meaning*. Minneapolis: Fortress Press.
- Kernberg, O. (2015). Neurobiological correlates of object relations theory: The relationship between neurobiological and psychodynamic development. *International Forum of Psychoanalysis*, 24(1), 38–46, <http://dx.doi.org/10.1080/0803706X.2014.912352>. <https://doi.org/10.1080/0803706X.2014.912352>
- Kiecolt-Glaser, J. K., McGuire, L., Robles, T. F., & Glaser, R. (2002). Emotions, morbidity, and mortality: New perspectives for psychoneuroimmunology. *Annual Review of Psychology*, 53(1), 83-108. <https://doi.org/10.1146/annurev.psych.53.100901.135217>
- Kirchoff, R. W., Tata, B., McHugh, J., Kingsley, T., Burton, M. C., Manning, D., Chaudhary, R. (2021, abril). Spiritual care of inpatients focusing on outcomes and the role of chaplaincy services: A systematic review. *Journal of Religion and Health*, 60(2), 1406-1422. doi: 10.1007/s10943-021-01191-z. <https://doi.org/10.1007/s10943-021-01191-z>
- Kirkpatrick, L. A., & Shaver, P. R. (1992). An attachment-theoretical approach to romantic love and religious belief. *Personality and Social Psychology Bulletin*, 18(3), 266–275. <https://doi.org/10.1177/0146167292183002>
- Kirsch, K. M. (2023). How “Catholic” should a Catholic studies program aspire to be? *Logos Supplement*, 26(5), 32-37. <https://doi.org/10.1353/log.2023.a904238>
- Kitson, A., Chirico, A., Gaggioli, A., & Reicke, B. (2020). A review of research and evaluation methods for investigating self-transcendence. *Frontiers in Psychology*, 11, 1-14. doi: 10.3389/fpsyg.2020.547687. <https://doi.org/10.3389/fpsyg.2020.547687>
- Klemm, W. R. (2019). Whither neurotheology? *Religions*, 10 (11), 1-16. <https://doi.org/10.3390/rel10110634>
- Knight, C. (1999). Sex and language as pretend play. En R. Dunbar, C. Knight, & C. Power (eds.), *The evolution of culture*. Edinburgh, Scotland: Edinburgh University Press. <https://doi.org/10.1515/9781474467889-014>
- Knuutila, S. (2022, otoño). Medieval Theories of the Emotions, En E. N. Zalta (Ed.), *The Stanford Encyclopedia of Philosophy*. Obtenido de <https://plato.stanford.edu/archives/fall2022/entries/medieval-emotions>.

- Koenig, H. G. (2001). Religion and medicine IV: Religion, physical health, and clinical implications. *International Journal of Psychiatry in Medicine*, 31(3), 321-336. <https://doi.org/10.2190/X28K-GDAY-75QV-G69N>
- Koenig H. G. (2012). Religion, spirituality, and health: the research and clinical implications. *ISRN Psychiatry*, 2012, 278730. <https://doi.org/10.5402/2012/278730>
- Koenig, H. G., Hays, J. C., Larson, D. B., George, L. K., Cohen, H. J., McCullough, M. E., Meador, K. G., & Blazer, D. G. (1999). Does religious attendance prolong survival? A six-year follow-up study of 3,968 older adults. *The Journals of Gerontology. Series A, Biological Sciences and Medical Sciences*, 54(7), M370-M376. <https://doi.org/10.1093/gerona/54.7.M370>
- Kohut, P. V. (2012). The offer of Catholic spirituality. *European Journal of Theology*, 21(2), 156-165.
- Kok, B. E., Coffey, K. A., Cohn, M. A., Catalino, L. I., Vacharkulksemsuk, T., Algoe, S. B. . . . Frederickson, B. L. (2013, julio). How positive emotions build physical health: Perceived position social connections account for the upward spiral between positive emotions and vagal tone. *Psychological Science*, 24(7), 1123-1132. <https://doi.org/10.1177/0956797612470827>
- Kollar, R. (2011, mayo). [Reseña del libro *A secular age* de Charles Taylor. *Heythrop Journal*, 52 (3), 535-536. doi: 10.1111/j.1468-2265.2011.00663\_77.x.
- Koole, S. L. (2009). The psychology of emotion regulation: An integrative review. *Cognition and Emotion*, 23, 4-41. [https://doi.org/10.1111/j.1468-2265.2011.00663\\_77.x](https://doi.org/10.1111/j.1468-2265.2011.00663_77.x). <https://doi.org/10.1080/02699930802619031>
- Koole, S. L., & Kuhl, J. (2007). Dealing with unwanted feelings: The role of affect regulation in volitional action control. En J. Shah & W. Gardner (Eds.), *Handbook of motivational science*. New York: Guilford.
- Korup, A. K., Thygesen, L. C., Christensen, R. D., Johansen, C., Sondergaard, J., & Hvistid, N. C. (2016). Association between sexually transmitted diseases and church membership: A retrospective cohort study of two Danish religious minorities. *Biomedical Journal*, 6. doi: 10.1136/bmjopen-2015-010128. <https://doi.org/10.1136/bmjopen-2015-010128>
- Korzybski, A. (1958). *Science and sanity: An introduction to non-Aristotelian systems and general semantics*. Lakeville, CT: International Non-Aristotelian Library Publishing.
- Kotchoubey, B., Tretter, F., Braun, H. A., Buchheim, T., Draguhn, A., Fuchs, T., Tschacher, W. (2016). Methodological problems on the way to integrative human neuroscience. *Frontiers in Integrative Neuroscience*, 10, 1-19. <https://doi.org/10.3389/fnint.2016.00041>
- Krebs, V. J. (2016). [Reseña del libro *Soul machine: The invention of the modern mind*, de George Makari]. *Analytical Psychology*, 63, 538-542. Obtenido de [www.academia.edu/37294753/Review\\_of\\_George\\_Makaris\\_Soul\\_Machine](http://www.academia.edu/37294753/Review_of_George_Makaris_Soul_Machine).
- Kreeft, P. (2011). *The God who loves you: Love divine, all loves excelling*. San Francisco: Ignatius Press.
- Kroenke, C. H., Kubzanski, L.D., Schernhammer, E. S., Holmes, M. D., & Kawachi, I. (2006). Social networks, social supports, and survival after breast cancer diagnosis. *Journal of Clinical Oncology*, 24(7), 1105-1111. <https://doi.org/10.1200/JCO.2005.04.2846>

- Kuhl, J., & Quirin, M. (2011). *Seven steps to freedom and two ways to lose it*. Gottingen, Germany: Hogrefe Publishing. <https://doi.org/10.1027/1864-9335/a000045>
- Kuhl, J., Quirin, M., & Koole, S. (2015, marzo). Being someone: The integrated self as a neuropsychological system. *Social and Personality Psychology Compass*, 9(3), 115-132. Abstract Obtenido de <https://web-s-ebscohost-com.eresources.https://doi.org/10.1111/spc3.12162>
- Kuhn, T. S. (1962/2012). *The structure of scientific revolutions*. (3rd ed.). Chicago, IL: University of Chicago Press.
- Laidlaw, J. (2007). A well-disposed social anthropologist's problems with the 'Cognitive Science of Religion.' En H. Whitehouse & J. Laidlaw (Eds.), *Religion, anthropology, and cognitive science*, (pp. 211-246). Durham, NC: Carolina Academic Press.
- Laird, M. (2005). The "open country" whose name is prayer: Apophysis, deconstruction, and contemplative practice. *Modern Theology*, 21(1), 141-155. doi: 10.1111/j.1468-0025.2005.00279.x. <https://doi.org/10.1111/j.1468-0025.2005.00279.x>
- Laneri, D., Schuster, V., Dietsche, B., Jansen, A., Ott, U., & Sommer, J. (2016). Effects of Long-Term Mindfulness Meditation on Brain's White Matter Microstructure and its Aging. *Frontiers in Aging Neuroscience*, 7, 254. <https://doi.org/10.3389/fnagi.2015.00254>
- Larrivee, D., & Echarte, L. (2018). Contemplative meditation and neuroscience: Prospects for mental health. *Journal of Religion and Health*, 57(3), 960-978. doi: 10.1007/s10943-017-0475-0. <https://doi.org/10.1007/s10943-017-0475-0>
- Larrivee, D., & Gini, A. (2014). Is the philosophical concept of 'habitus operativus bonus' compatible with the modern neuroscience concept of human flourishing through neuroplasticity? A consideration of prudence as a multidimensional regulator of virtue. *Frontiers in Human Neuroscience*, 8, 1-4. <https://doi.org/10.3389/fnhum.2014.00731>
- Larson, D. B., Sawyers, J. P., & McCullough, M. E. (Eds.). (1998). *Scientific research on spirituality and health: A report based on the scientific progress in spirituality conferences*. Rockville, MD: National Enstitute for Healthcare Research.
- Lazar, S. W., Bush, G., Gollub, R. L., Fricchione, G. L., Khalsa, G., & Benson, H. (2000, mayo 15). Functional brain mapping of the relaxation response and meditation. *Neuroreport*. London, U.K.: Lippincott, Williams, & Wilkins. <https://doi.org/10.1097/00001756-200005150-00042>
- Lazar, S. W., Kerr, C. E., Wasserman, R.H., Gray, J. R., Greve, D.N., Treadway, M. T., et al., (2005). Meditation experience is associated with increased cortical thickness. *Neuroreport*, 16(17), 1893. <https://doi.org/10.1097/01.wnr.000016598.66243.19>
- Leaf, C. (2021). How are the mind and the brain different? A neuroscientist explains. *Integrative Health*. Obtenido de <http://www.mindbodygreen.com>
- Lee, B., & Newberg, A. (2005). Religion and health: A review and critical analysis. *Zygon: Journal of Religion and Science*, 40, 443-468. <https://doi.org/10.1111/j.1467-9744.2005.00674.x>
- Lehmann, K., Raffelt, A., & Egan, H. D. (Eds.). (1993). *The best of Karl Rahner's Theological Writings*. NY: Crossroad.

- Lehmann, K., Raffelt, A., & Egan, H. D. (Eds.). (2000). *The content of faith: The best of Karl Rahner's theological writings*. New York: Crossroad.
- Lehtonen, J. (2010). Dimensions in the dialogue between psychoanalysis and neuroscience. Routledge: *International Forum of Psychoanalysis*, 19(4), 218-223. doi: 10.1080/0803706X.2010.499136. <https://doi.org/10.1080/0803706X.2010.499136>
- Lejeune, J. (1992). A geneticist's point of view. En G. del Re (Ed.), Brain research and the mind-body problem: Epistemological and metaphysical issues. Vatican, Rome: Pontifical Academy of Sciences.
- Leman, J., Hunter, W., Fergus, T., & Rowatt, W. (2018). Secure attachment to God and trust with psychological health in a national, random sample of American adults. *The International Journal for the Psychology of Religion*, 28, 116-123. <https://doi.org/10.1080/10508619.2018.1477401>
- León XIII, Papa. (1879). *Aeterni Patris: On the Restoration of Christian Philosophy*. Obtenido de [https://www.vatican.va/content/leo-xiii/en/en\\_cyclicals/documents/hf\\_l-xiii\\_enc\\_04081879\\_aeterni-patris.html](https://www.vatican.va/content/leo-xiii/en/en_cyclicals/documents/hf_l-xiii_enc_04081879_aeterni-patris.html)
- Letheby, C. (2017). Naturalizing psychedelic spirituality. *Zygon: Journal of Science and Religion*, 52(3), 623-642. <https://doi.org/10.1111/zygo.12353>
- Lewis, R. (2019, febrero 24). What actually is a thought? And how is information physical? *Psychology Today*. Obtenido de <http://www.psychologytoday.com/us/blog/finding-purpose/201902/what-actually-is-thought-about-how-information-physical>.
- Lex, B. W. (1979). The neurobiology of ritual trance. En E. G. d'Aquili, C. D. Laughlin, Jr., and J. McManus (Eds.), *The Spectrum of Ritual* (pp. 117-151). New York: Columbia University Press.
- Li, H., Chen, Q., Lu, J., & Qiu, J. (2017, diciembre). Brain structural bases of tendency to forgive: evidence from a young adults sample using voxel-based morphometry. *Scientific Reports*, 7, 16856-16856. <https://doi.org/10.1038/s41598-017-16868-3>
- Libet, B. (1999). Do we have free will? *Journal of Consciousness Studies*, 6(8-9), 47-57.
- Ling, S., Umbach, R., & Raine, A. (2019). Biological explanations of criminal behavior. *Psychology, Crime, and Law*, 25(6), 626-640. doi: 10.1080/1068316X.2019.1572753. <https://doi.org/10.1080/1068316X.2019.1572753>
- Lombard, J. (2017). *The mind of God: Neuroscience, faith, and a search for the soul*. New York: Harmony.
- Lonergan, B. (1957/1992). *Insight: A study in human understanding*. (F. Crowe & R. Doran, (Eds.). Toronto, Ontario, Canada: University of Toronto Press.
- Lonergan, B. (1967). *Collection: Papers by Bernard Lonergan*. Montreal, Quebec, Canada: Palm Publishers.
- Lonergan, B. (1972/2017). *Method in theology*. Toronto, Ontario, Canada: University of Toronto Press.
- Lonergan, B. (2002). *The ontological and psychological constitution of Christ*. En *Collected Works of Bernard Lonergan*. Lonergan Research Institute. Toronto, Canada: Regis College. <https://doi.org/10.3138/9781442681958>
- Lou, H. C., Kjaer, T. W., Friberg, L., Wildschiodtz, G., Holm, S., & Nowak, M. (1999). A 150-H2O PET study of meditation and the resting state of normal

- consciousness. *Human Brain Mapping*, 7(2), 98-105. [https://doi.org/10.1002/\(SICI\)1097-0193\(1999\)7:2<98::AID-HBM3>3.0.CO;2-M](https://doi.org/10.1002/(SICI)1097-0193(1999)7:2<98::AID-HBM3>3.0.CO;2-M)
- Ludwig, D., & Ruphy, S. (2021, Winter). Scientific pluralism. En E. N. Zalta (Ed.), *Stanford Encyclopedia of Philosophy*. Obtenido de <https://plato.stanford.edu/archives/win2021/entries/scientific-pluralism>
- Lutz, A., Greischar, L. L., Rawlings, N. B., Davidson, R. J., et al. Long-term meditators self-induce high-amplitude gamma synchrony during mental practice. (2004, diciembre). *Proceedings of the National Academy of Sciences*, 101(46), 16369-16373. <https://doi.org/10.1073/pnas.0407401101>
- Maas, A. (1912/2021). Salvation. En *The Catholic encyclopedia*. New York: Robert Appleton. En *New Advent Catholic Encyclopedia*. Obtenido de <https://newadvent.org/cathen/13407a.htm>.
- MacIntyre, A. C. (1984/2007) *After virtue: A study in moral theory*. Notre Dame, IN: Notre Dame University Press.
- MacLean, C. R. K., Walton, K. G., Wenneberg, S. R., Levitsky, D. K., Mandarino, J. P., Wziri, R., & Schneider, R.H. (1997). Effects of the transcendental meditation program on adaptive mechanisms: Changes in hormone levels and responses to stress after four months of practice. *Psychoneuroimmunology*, 22, 277-295. [https://doi.org/10.1016/S0306-4530\(97\)00003-6](https://doi.org/10.1016/S0306-4530(97)00003-6)
- Madden, J. (2013). Thomistic hylomorphism and philosophy of mind and philosophy of religion. *Philosophy Compass*, 8, 664-676. <https://doi.org/10.111/phc3.12041>
- Manalili, M. M. C. (2018). On neurotheology? Why engage empirical studies on theological concepts. *Lumen et Vita*, 9, 35-45. <https://doi.org/10.6017/lv.v9i1.10872>
- Mandel, A. (1980). Toward a psychobiology of transcendence: God in the brain. En J. Davidson & R. Davidson (Eds.), *Psychobiology of consciousness* (pp. 379-464). New York: Plenum Press.
- Marcel, G., & Fraser, G. S. (1950-1951/2001). *The mystery of being. Gifford Lectures (1949-1950). Vol 1: Reflection and Mystery; Vol 2: Faith and Reality*. South Bend, IN: St. Augustoine's Press. [https://doi.org/10.1007/978-1-4684-3456-9\\_14](https://doi.org/10.1007/978-1-4684-3456-9_14)
- Maritain, J. (1932/1959/1995). *The degrees of knowledge*. (Trad. G. B. Phelan). Notre Dame, IN: University of Notre Dame Press.
- Maritain, J. (1953). *The range of reason*. Obtenido de <https://maritain.nd.edu/jmc/etext/range05.htm>.
- Maritain, J. (1954/1962). *Approaches to God*. New York: Colliers.
- Markie, P., & Folescu, M. (2021, otoño). Rationalism vs. Empiricism, En E. N. Zalta (Ed.), *The Stanford Encyclopedia of Philosophy*. Obtenido de <https://plato.stanford.edu/archives/fall2021/entries/rationalism-empiricism>.
- Marmion, D. (1996). The notion of spirituality in Karl Rahner. *Louvain Studies*, 21, 61-86. <https://doi.org/10.2143/LS.21.1.542236>
- Martinez Selio, A. (2009). Neuroteología, Neurología Suplementos 51(1), 21-27.
- Maturana, H. R., & Varela, F. J. (1992). *The Tree of Knowledge: the Biological Roots of Human Understanding (revised edition)*. Boston: Shambala.
- McAndrew, F. T. (2019). Costly signaling theory. En T. K. Shackelford & V. A. Weekes-Shackelford (Eds.), *Encyclopedia of Evolutionary Psychological Science*.

- doi.org/10.1007/978-3-319-16999-6\_3483-1. [https://doi.org/10.1007/978-3-319-16999-6\\_3483-1](https://doi.org/10.1007/978-3-319-16999-6_3483-1)
- McCabe, D., & Castel, A. (2008). Seeing is believing: The effect of brain images on judgments of scientific reasoning. *Cognition*, 107, 343-352. <https://doi.org/10.1016/j.cognition.2007.07.017>
- McCarthy, M. H. (2015). *Authenticity as self-transcendence: The enduring insights of Bernard Lonergan*. South Bend, IN: University of Notre Dame Press. <https://doi.org/10.2307/jj.21995971>
- McCauley, R. N. (2001). Ritual, memory, and emotion: Comparing two cognitive hypotheses. En J. Andresen (Ed.), *Religion in mind* (pp. 115-140). Cambridge, UK: Cambridge University Press. <https://doi.org/10.1017/CBO9780511586330.005>
- McGilchrist, I. (2021). *The matter with things*. Vol 2: *What then is true?* Padstow, Cornwall, U.K.: TJ Books.
- McGilchrist, I. (2021). *The matter with things*. Vol. 1: *The ways to truth*. Padstow, Cornwall, U.K.: TJ Books.
- McGinn, B. (2006). *The essential writings of Christian mysticism*. New York: Random House.
- McGoldrick, T. A. (2012, septiembre). The spirituality of human consciousness: A Catholic evaluation of some current neuro-scientific interpretations. *Science and Engineering Ethics*, 18(3), 483-501. doi: 10.1007/s11948-012-9387-2. <https://doi.org/10.1007/s11948-012-9387-2>
- McGonigle, T. D. (1993). Union, unitive way. En M. Downey (Ed.), *The new dictionary of Catholic spirituality* (pp. 987-988). Collegeville, MN: Liturgical Press.
- McIlhenny, R. (2011). "God is in your head": Neurotheology and religious belief. *American Theological Enquiry*, 3(2), 29-44.
- Meissner, W. W. (1984). Transformative Processes in *The Spiritual Exercises*. En J. J. Heaney (Ed.), *Psyche and Spirit: Readings in Psychology and Religion*. NY: Paulist Press.
- Meissner, W. W. (1992). *Ignatius of Loyola: The psychology of a saint*. New Haven, CT: Yale University Press.
- Menary, R. (2014). Neural plasticity, neuronal recycling, and niche construction. *Mind & Language*, 29(3), 286-303. Obtenido de <https://doi.org/10.1111/MILA.12051>
- Merkur, D. (1999). *Mystical moments and unitive thinking*. Herndon, VA: State University of New York Press.
- Merton, T. (1949/2015). Is mysticism normal? En P. F. O'Connell (Ed.), *Thomas Merton; Early Essays, 1947-1952* (pp. 50-58). Collegeville, MH: Liturgical Press.
- Merton, T. (2003). *The inner experience*. San Francisco: HarperCollins.
- Messer, N. (2017). *Theological neuroethics: Christian ethics meets the science of the human brain*. New York: Bloomsbury Publishing.
- Mesulam, M. M. (1998). From sensation to cognition. *Brain*, 121, 1013-1052. [https://www.vatican.va/archive/hist\\_councils/ii\\_vatican\\_council/documents/vat-ii\\_const\\_19631204\\_sacrosanctum-concilium\\_en.html](https://www.vatican.va/archive/hist_councils/ii_vatican_council/documents/vat-ii_const_19631204_sacrosanctum-concilium_en.html). <https://doi.org/10.1093/brain/121.6.1013>

- Michaud, D. (Ed.). (2005). Karl Rahner (1904-1984). En *Boston collaborative encyclopedia of Western theology*, W. Wildman (Ed.). Obtenido de <https://people.bu.edu/wwildman/bce/rahner.htm>
- Miller, J. B. (2012, septiembre). Haunted by the ghost in the machine. Commentary on “The spirituality of human consciousness: A Catholic evaluation of some current neuroscientific interpretations.” *Science of Engineering Ethics*, 18(3), 503-507. doi: 10.1007/s11948-012-9389-0. <https://doi.org/10.1007/s11948-012-9389-0>
- Miller, L., & Kelley, B. S. (2005). Relationships of religion and spirituality with mental health and psychopathology. En R. F. Paloutzian & C. Park (Eds.). *Handbook of the psychology of religion and spirituality*. New York: Guilford.
- Miller, L., Balodis, I. M., McClintock, C. H., Xu, J., Lacardie, C. M., Sinha, R., & Potenza, M. N. (2019, Junio). Neural correlates of personalized spiritual experiences. *Cerebral Cortex*, 29(6), 2331-2338. doi: 10.1093/cercor/bhy102. <https://doi.org/10.1093/cercor/bhy102>
- Miller, L., Wickramaratne, P., Hao, X., McClintock, C. H., Pan, L., Svo, C., Weissman, M. M. (2021, septiembre). Altruism and “love of neighbor” offer neuroanatomical protection against depression. *Psychiatry Research: Neuroimaging*, 315, 1-9. doi: 10.1016/j.psychresns.2021.111326. <https://doi.org/10.1016/j.psychresns.2021.111326>
- Milstein, G., & Manierre, A. (2012). Culture ontogeny: Lifespan development of religions and the ethics of spiritual counseling. *Counseling and Spirituality*, 31, 8-29.
- Miner, M., & Dowson, M. (2012). Spiritual experiences reconsidered: A relational approach to the integration of psychology and theology. *Journal of Psychology and Theology*, 40, 55-59. <https://doi.org/10.1177/009164711204000111>
- Mitchell, S. (2003). *Biological complexity and integrative pluralism*. Cambridge, U.K.: Cambridge University Press. <https://doi.org/10.1017/CBO9780511802683>
- Mitchell, S. D. (2009). *Unsimple truths: Science, complexity, and policy*. Chicago: University of Chicago Press. <https://doi.org/10.7208/chicago/9780226532653.001.0001>
- Mitchen, S. (2000). Mind, brain, and material culture: An archeological perspective. En P. C. Caruthers & A. Chamberlain (eds.), *Evolution and the human mind: Modularity, language, and metacognition*. Cambridge, U.K.: Cambridge University Press.
- Moberg, K. U. (2003). *The oxytocin factor: Tapping the hormone of calm, love, and healing*. Lebanon, IN: Da Capo Press.
- Moghadosi, A.N. (2014). Ability to gain religious experiences as a part of cognitive abilities. *Iranian Journal of Neurology*, 13, 191-192.
- Moll, J., de Oliveira-Souza, R. (2007). Moral judgments, emotions, and the utilitarian brain. *Trends in Cognitive Sciences*, 11, 319-321. doi:10.1016/j.tics.2007.06.001. <https://doi.org/10.1016/j.tics.2007.06.001>
- Moll, J., de Oliveira-Souza, R., Garrido, G.J., Bramati, I. E., Egas, M. A., Caparelli-Daqua, E. M. A., Paiva, L. M. M. F, et al. (2007). The self as a moral agent: Linking the neural bases of social agency and moral sensitivity. *Social*

- Neuroscience*, 2, 336-352. doi:10.1080/17470910701392024. <https://doi.org/10.1080/17470910701392024>
- Moll, J., Kreuger, F., Zahn, R., Pardini, M., de Oliveira-Souza, R., & Grafmar, J. (2006, octubre 17). Human fronto-mesolimbic networks guide decisions of charitable donation. *Proceedings of the National Academy of Sciences, U.S.A.*, 103(42), 15623-15628. <https://doi.org/10.1073/pnas.0604475103>
- Moloney, R. (2004). Conversion and spirituality: Bernard Lonergan (1904-1984). *The Way*, 43(4), 123-134.
- Mouch, C. A., & Sonnega, A. J. (2012). Spirituality and recovery from cardiac surgery: a review. *Journal of religion and health*, 51(4), 1042-1060. <https://doi.org/10.1007/s10943-012-9612-y>
- Mueller, J. J. (1984). *What are they saying about theological method?* New York: Paulist Press.
- Muller, J., Middleton, D., Alizadeh, M., Zabrecky, G., Wintering, N., Bazzan, A. J., Lang, J., Wu, C., Monti, D. A., Wu, Q., Newberg, A. B., & Mohamed, F. B. (2021). Hybrid diffusion imaging reveals altered white matter tract integrity and associations with symptoms and cognitive dysfunction in chronic traumatic brain injury. *NeuroImage, Clinical*, 30, 102681. Obtenido de <https://doi.org/10.1016/j.nicl.2021.102681>
- Muller, R. J. (2008, mayo). Neurotheology: Are we hardwired for God? *Psychiatric Times*, 25(6). Obtenido de <http://www.psychiatrictimes.com/view/neurotheology-are-we-hardwired-god>
- Murphy, B. (2023). The development of doctrine. Simply Catholic. Obtenido de <https://www.simplycatholic.com/the-development-of-doctrine/#:~:text=in> Newman's view
- Murray, P. (2012). *In the grip of light*. London, U.K.: Bloomsbury.
- Murray, P. D. (2000, abril). [Reseña del libro *The shaping of rationality: Toward interdisciplinarity in theology and science*, de J. W. van Huyssteen (pp. 215-217). *Reviews in Religion & Theology*, 7(2), 215.
- Nairn, A. K. (2017). [Reseña del libro *Theological neuroethics: Christian ethics meets the science of the human brain*, de Neil Messer]. International Society for Science and Religion. Obtenido de <https://www.issr.org.uk/blog/theological-neuroethics-christian-ethics-meets-science-human-brain-neil-messer>
- National Catholic Bioethics Center. (2020, mayo 11). FAQ: On the determination of death using neurological criteria (brain death). Obtenido de <https://www.ncbcenter.org/resources-and-statements-cms/faq-on-the-determination-of-death-using-neurologica-criteria-brain-death>
- Navarini, C. (2020). The likelihood of actions and the neurobiology of virtues: Veto and consent power. *Ethical Theory and Moral Practice*, 23, 309-323. Obtenido de <https://doi.org/10.1007/s10677-020-10081-4>.
- Neher, A. (1962). A physiological explanation of unusual behavior in ceremonies involving drums. *Human Biology*, 34, 151-161.
- Nelson, J.A., Kirk, A. M., Ane, P., Serres, S. A. (2011, abril). Religious and spiritual values and moral commitment in marriage: Untapped resources in couples counseling? *Counseling and Values*, 55(2), 228-246. <https://doi.org/10.1002/j.2161-007X.2011.tb00034.x>

- Newberg, A. B. (2010). *Principles of neurotheology*. Burlington, VT: Ashgate Publishing.
- Newberg, A. (2018). *Neurotheology: How science can enlighten us about spirituality*. New York: Columbia University Press. <https://doi.org/10.7312/newb17904>
- Newberg, A. B. (2013). How does meditation change our brains? Obtenido de <https://andrewnewberg.com/research-blog/how-does-meditation-change-our-brains>
- Newberg, A. B. (2014). The neuroscientific study of spiritual practices. *Frontier on Psychology*, 5(215), 1-6. <https://doi.org/10.3389/fpsyg.2014.00215>
- Newberg, A. B., & Halpern, D. (2018). *The rabbi's brain: Mystics, moderns, and the science of Jewish thinking*. Nashville, TN: Turner.
- Newberg, A. B., & Iversen, J. (2003). The neural basis of the complex mental task of meditation: neurotransmitter and neurochemical considerations. *Medical Hypotheses*, 61(2), 282-291. [https://doi.org/10.1016/S0306-9877\(03\)00175-0](https://doi.org/10.1016/S0306-9877(03)00175-0)
- Newberg, A. B., & Lee, B. Y. (2005). The neuroscientific study of religious and spiritual phenomena: Or why God doesn't use biostatistics. *Zygon*, 40(2), 469-489. <https://doi.org/10.1111/j.1467-9744.2005.00675.x>
- Newberg, A. B., & Newberg, S. (2008, enero). Hardwired for God: A neuropsychological model for developmental spirituality. En K. K. Kline (Ed.), *Authoritative communities: The scientific case for nurturing the whole child* (pp. 165-186). New York: Springer. [https://doi.org/10.1007/978-0-387-72721-9\\_8](https://doi.org/10.1007/978-0-387-72721-9_8)
- Newberg, A. B., & Waldman, M. (2009). *How God changes your brain: Breakthrough findings from a leading neuroscientist*. New York: Ballantine. <https://doi.org/10.24972/ijts.2018.37.2.119>
- Newberg, A. B., & Waldman, M. R. (2016). *How enlightenment changes your brain: The new science of transformation*. New York: Penguin Random House.
- Newberg, A. B., & Waldman, M. R. (2018b). A neurotheological approach to spiritual awakening. *International Journal of Transpersonal Studies*, 37, 119-130. <https://doi.org/10.24972/ijts.2018.37.2.119>
- Newberg, A. B., Wintering, N., Yaden, C. B., Zhong, L., Bowen, B., Averick, N., & Monti, D. (2018). Effect of a one-week spiritual retreat on dopamine and serotonin transporter binding: A preliminary study. *Religion, Brain, and Behavior*, 8(3), 265-278. Obtenido de <https://doi.org/10.1080/2153599X.2016.1267035>
- Newberg, A., Alavi, A., Baime, M., Pourdehmeh, M., Santanna, J., & d'Aquili, E. (2001, abril 10). The measurement of regional cerebral blood flow during the complex cognitive task of meditation: A preliminary SPECT study. *Psychiatry Research*, 106(2), 113-122. doi: 10.1016/s0925-4927(01)00074-9. [https://doi.org/10.1016/S0925-4927\(01\)00074-9](https://doi.org/10.1016/S0925-4927(01)00074-9)
- Newberg, A., d'Aquili, E., & Rause, V. (2002). *Why God won't go away: Brain science and the biology of belief*. New York: Random House.
- Newberg, A., Wintering, N., & Waldman, M. (2019, noviembre). Comparison of different measures of religiousness and spirituality: Implications for neurotheological research. *Religions*, 10(11), 637. doi: 10.3390/rel10110637. <https://doi.org/10.3390/rel10110637>

- Newberg, A. B. (2010). *Principles of neurotheology*. Burlington, VT: Ashgate Publishing.
- Newen, A., Gallagher, S., & De Bruin, L. (2018). 4E cognition: Historical roots, key concepts, and central issues. En A. Newen, L. De Bruin, & S. Gallagher, *Oxford Handbook of 4E cognition* (pp. 1-16). Oxford, UK: Oxford University Press. <https://doi.org/10.1093/oxfordhb/9780198735410.013.1>
- Newman, J. H. (1845/2023). *Essay on the development of Christian doctrine*. Chapter 8. Application of the Third Note of a True Development—Assimilative Power. En Newman Reader. Obtenido de <https://www.newmanreader.org/works/development/chapter8.html>
- Noble, W., & Davidson, I. (1996). *Human evolution, language, and mind*. Cambridge, U.K.: Cambridge University Press.
- Noe, A. (2010). *Out of our heads: Why you are not your brain and other lessons from the biology of consciousness*. New York: Hill & Wang.
- Nola, R. (2018). Demystifying religious belief. En H. van Eyghen, R. Peels, & G. van den Brink (Eds.), *New developments in the cognitive science of religion* (pp. 71-92). New York: Springer International. [https://doi.org/10.1007/978-3-319-90239-5\\_5](https://doi.org/10.1007/978-3-319-90239-5_5)
- Northoff, G. (2014). *Unlocking the brain. Vol. 1: Coding*. Oxford, U.K.: Oxford University Press. <https://doi.org/10.1093/acprof:oso/9780199826988.001.0001>
- Northoff, G. (2014). *Unlocking the brain. Vol. 2: Consciousness*. Oxford, U.K.: Oxford University Press. <https://doi.org/10.1093/acprof:oso/9780199826995.001.0001>
- Northoff, G., & Bermpohl, F. (2004). Cortical midline structures and the self. Trends in *Cognitive Sciences*, 8(3), 102-107. <https://doi.org/10.1016/j.tics.2004.01.004>
- O'Callaghan, J. (2000). From Augustine's mind to Aquinas' soul. Jacques Maritain Center: Thomistic Institute. Obtenido de <https://maritain.nd.edu/jmc/ti00/ocallagh.htm>
- O'Dougherty, J., et al. (2000). Abstract reward and punishment representations in the human orbitofrontal cortex. *Nature Neuroscience*, 4(1), 95-102. <https://doi.org/10.1038/82959>
- Oomen, P. M. F. (2003). On brain, soul, self, and freedom: An essay in bridging neuroscience and faith. *Zygon: Journal of Religion and Science*, 38, 377-391. <https://doi.org/10.1111/1467-9744.00505>
- Otto, R. (1923/2010). *Idea of the holy*. London: Oxford University Press.
- Otto, R. (1932/2016). *Mysticism East and West: A comparative analysis of the nature of mysticism*. Eugene, OR: Wipf and Stock.
- Pablo VI, Papa. (1963). Dogmatic constitution Sacrosanctum concilium. Obtenido de Sacrosanctum Concilium ([vatican.va](http://vatican.va))
- Pablo VI, Papa. (1964). Lumen Gentium: Dogmatic constitution on the Church. Obtenido de [https://www.vatican.va/archive/hist\\_councils/ii\\_vatican\\_council/documents/vat-ii\\_const\\_19641121\\_lumen-gentium\\_en.html](https://www.vatican.va/archive/hist_councils/ii_vatican_council/documents/vat-ii_const_19641121_lumen-gentium_en.html)
- Pablo VI, Papa. (1965). Dei Verbum. Dogmatic constitution on Divine Revelation. Obtenido de Dei Verbum ([Vatican.va](http://vatican.va))
- Pablo VI, Papa. (1965). Gaudium et spes: Pastoral Constitution on the Church in the Modern World. Obtenido de [https://www.vatican.va/archive/hist\\_cou](https://www.vatican.va/archive/hist_cou)

- ncils/ii\_vatican\_council/documents/vat-ii\_const\_19651207\_gaudium-etspe  
s\_en.html
- Pace, U., Cacioppo, M., & Schimmenti, A. (2011). The moderating role of father's care on the onset of binge eating symptoms among female late adolescents with insecure attachment. *Child Psychiatry and Human Development*, 43(2), 282-292. <https://doi.org/10.1007/s10578-011-0269-7>
- Pargament, K. I., Koenig, H. G., Tarakeshwar, N., & Hahn, J. (2004, noviembre). Religious coping methods as predictors of psychological, physical, and spiritual outcomes among medically ill elderly patients: A two-year longitudinal study. *Journal of Health Psychology*, 9(6), 713-730. doi: 10.1177/1359105304045366. <https://doi.org/10.1177/1359105304045366>
- Park, C. L. & McNamara, P. (2006). Religion, meaning, and the brain. En P. McNamara (Ed.), *Where God and science meet* (pp. 67-90). Westport, CT: Praeger. <https://doi.org/10.5040/9798216193777>
- Payne, S. (2022). Some definitions of spirituality, Christian spirituality, and spiritual theology. [panfleto del curso, *Introduction to the History of Spirituality*, Primer semestre 2022-2023]. Washington, DC: Catholic University of America.
- Peacock, B. (2022, septiembre). A-118 Psychedelic interventions for neuropsychological conditions. *Archives of Clinical Neuropsychology*, 37(6), 1270. doi: 10.1093/arcln/acac060.118. <https://doi.org/10.1093/arcln/acac060.118>
- Peacocke, A. (2002). The sound of sheer silence. En R. J. Russell, N. Murphrey, T. C. Meyering, T. C., & M. A. Arbib, (Eds.). *Neuroscience and the person: Scientific perspectives on divine action* (pp. 215-247). Notre Dame, IN: University of Notre Dame Press.
- Pearce, M. J. (2013). Addressing religion and spirituality in health care systems. En K. I. Pargament, A. Mahoney, & E. P. Shafranske (Eds.), *APA handbook of psychology, religion, and spirituality*, Vol 2 (pp. 527-541). Washington, DC: American Psychological Association. <https://doi.org/10.1037/14046-027>
- Peres, J. F. P., Moreira-Almeida, A., Nasella, A. G., & Koenig, H. G. (2007). Spirituality and resilience in trauma victims. *Journal of Religion and Health*, 46, 343-350. doi: 10.1007/s10943-006-9103-0. <https://doi.org/10.1007/s10943-006-9103-0>
- Persinger, M. A. (1983). Religious and mystical experiences as artifacts of temporal lobe function: A general hypothesis. *Perceptual Motor Skills*, 57, 1255-1262. <https://doi.org/10.2466/pms.1983.57.3f.1255>
- Persinger, M. A. (1987). Neuropsychological bases of God beliefs. New York: Praeger.
- Persinger, M. A. (1997). I would kill in God's name: Role of sex, weekly church attendance, report of a religious experience, and limbic lability. *Perceptual and Motor Skills*, 85, 128-130. <https://doi.org/10.2466/pms.1997.85.1.128>
- Peters, K. E. (2001, septiembre). Neurotheology and evolutionary theology: Reflections on *The mystical mind*. *Zygon*, 36(3), 493-500. doi: 10.1111/0591-2385.00376. <https://doi.org/10.1111/0591-2385.00376>
- PEW Research Center. (2012, diciembre 18). The global religious landscape. Washington, DC: PEW Research Center. Obtenido de <https://www.pewresearch.org/religion/2012/12/18/global-religious-landscape-exec/>

- Phelps, E. O. C., Gatenby, C. J., Gore, J., Grillon, C., & Davis, M. (2001). Activation of the left amygdala to a cognitive representation of fear. *Nature Neuroscience*, 4(4), 437-441. <https://doi.org/10.1038/86110>
- Picard, F. (2023). Ecstatic or mystical experience through epilepsy. *Journal of Cognitive Neuroscience*, 35(9), 1372-1381. [https://doi.org/10.1162/jocn\\_a\\_02031](https://doi.org/10.1162/jocn_a_02031)
- Pigliucci, M. (2004). God in the brain. *Skeptic*, 10(4), 82-83.
- Pike, N. (1992). On the possibility of theistic experience. En *Mystic union* (pp. 116-153). Ithaca, NY: Cornell University Press.
- PinSENT, A. (2015a). Neurotheological eudaimonia. En J. Clausen & N. Levy (Eds.). *Handbook of neuroethics* (pp. 1603-1617). Dordrecht, Germany: Springer Science and Business Media. doi: 10.1007/978-94-007-4707-4\_100. [https://doi.org/10.1007/978-94-007-4707-4\\_100](https://doi.org/10.1007/978-94-007-4707-4_100)
- PinSENT, A. (2015b). *The second-perspective in Aquinas' ethics: Virtues and gifts*. New York: Routledge.
- Planche, V., Manjon, J. K., Mansencal, B., Lanuza, E., Tordias, T., Catheline, G., Coute, P. (2023, Febrero 7). Structural progression of Alzheimer's disease over decades: The MRI staging scheme. *Brain Communications*, 4, fcas109. Obtenido de <https://doi.org/10.1093/braincomms/fcas109>
- Podgorny, P., & Shepard, R. N. (1978). Functional representations common to visual perception and imagination. *Journal of Experimental Psychology: Human Perception and Performance*, 9, 380-393. <https://doi.org/10.1037/096-1523.9.3.380>
- Polanyi, M. (1966). *The tacit dimension*. Chicago, IL: University of Chicago Press.
- Poldrack, R., & Yankoni, T. (2016). From brain maps to cognitive ontologies: Informatics and the search for mental structure. *Annual Review of Psychology*, 67, 587-612. <https://doi.org/10.1146/annurev-psych-122414-033729>
- Poldrack, R., Kittur, A., Kalar, D., Miller, E., Seppa, C., Gil, Y., & Bilder, R. (2011). The Cognitive Atlas: Toward a knowledge foundation for cognitive neuroscience. *Neuroinformatics*, 5(17), 1-11. <https://doi.org/10.3389/fninf.2011.00017>
- Polger, T. W., & Shapiro, L. A. (2016). *The multiple realization book*. New York: Oxford University Press. <https://doi.org/10.1093/acprof:oso/9780198732891.001.0001>
- Poulin, A. (1901/2016). *Graces of interior prayer: A treatise on mystical theology*. Jeffersonville, IN: Caritas Publishing.
- Premack, D. (2007). Human and animal cognition: Continuity and discontinuity. *Proceedings of the National Academy of Sciences*, 104(35), 13861-13867. Obtenido de <http://www.pnas.org/cgidoi/10.1073/pnas.0706147104>. <https://doi.org/10.1073/pnas.0706147104>
- Pressman, P., Lyons, J. S., Larson, D. B., & Strain, J. J. (1990). Religious belief, depression, and ambulation status in elderly women with broken hips. *American Journal of Psychiatry*, 147, 758-760. <https://doi.org/10.1176/ajp.147.6.758>
- Price, C. J., & Devlin, J. T. (2011, Junio). The interactive account of ventral occipitotemporal contribution to reading. *Trends in Cognitive Sciences*, 15(6), 246-253. <https://doi.org/10.1016/j.tics.2011.04.001>

- Puderbaugh, M. & Emmady, P. D. (2022). Neuroplasticity. *StatPearls*. Obtenido de <http://www.ncbi.nlm.nih.gov/books/NBK557811>
- Pulvermuller, F., Garagnani, M., & Wennekers, T. (2014, octubre). Thinking in circuits: Toward neurobiological explanation in cognitive neuroscience. *Biological Cybernetics*, 108(5), 573-593. doi: 10.1007/s00422-014-0603-9. <https://doi.org/10.1007/s00422-014-0603-9>
- Purves, D., Augustoine, G. J., Fitzpatrick, D., Hall, W. C., Lamantia, A-S. Mooney, R. D., White, L. E. (2019). *Neuroscience*. International Sixth Edition, New York: Sinauer.
- Pylyshyn, Z. W. (1973). What the mind's eye tells the mind's brain. *Psychological Bulletin*, 80: 1-24. doi:10.1037/h0034650.S2CID145431092. <https://doi.org/10.1037/h0034650>
- Pyysiainen, I. (2006). Amazing grace: Religion and the evolution of the human mind. En P. McNamara (Ed.), *Where God and science meet: How brain and evolutionary studies alter our understanding of religion* (pp. 209-225) Westport, CT: Praeger.
- Quartz, S., & Sejnowski, T. J. (2002). *Liarers, lovers, and heroes: What the new brain science reveals about how we become who we are*. Mosaic, PA: HarperCollins.
- Quirin, M., Frohlich, S., & Kuhl, J. (2016). Implicit self and the right hemisphere: Increasing implicit self-esteem and implicit positive affect by left hand contractions. *European Journal of Social Psychology* Obtenido de <http://dx.doi.org/10.1002/ejsp.2281>
- Quirin, M., Kent, M., Bokeem, M. A. S., & Tops, M. (2015, julio). Integration of negative experiences: A neuropsychological framework for human resilience. *Behavioral and Brain Sciences*, 38. <https://doi.org/10.1017/S0140525X14001666>
- Rachlin, H. (2012, Julio). Is the mind in the brain? Reseña del libro *Out of our heads: Why you are not your brain, and other lessons from the Biology of consciousness* de Alva Noe. *Journal of Experimental Analysis of Behavior*, 98(1), 131-17. doi: 10.1901/jeab.2012.98-131. <https://doi.org/10.1901/jeab.2012.98-131>
- Rahm, C., & Sorman, K. (2019). From brain to symptom: Introduction to neuroscientific psychiatry. [Online Course, Coursera]. Karolinska Institute, Sweden.
- Rahner, K. (1941/1994). *Hearer of the Word*. New York: Continuum Books. <https://doi.org/10.5040/9781472972187>
- Rahner, K. (1958). *Happiness through prayer*. Dublin, Ireland: Conmore and Reynolds.
- Rahner, K. (1961-1992). *Theological investigations*. 23 vols. Baltimore, MD: Helicon.
- Rahner, K. (1963/2010). *The mystical way in everyday life*. Maryknoll, New York: Orbis Books.
- Rahner, K. (1964). *Nature and grace*. New York: Sheed and Ward.
- Rahner, K. (1966). Dogmatic reflections on the knowledge and self-consciousness of Christ. En *Theological investigations*, Vol. 5. Oxfordshire, U.K.: Helicon Press.
- Rahner, K. (1967/1974). Theology of the spiritual life. En *Theological investigations*, Vol. 3. Oxfordshire, U.K.: Helicon Press.

- Rahner, K. (1968/1994). *Spirit in the world*. New York: Continuum. <https://doi.org/10.05040/9780567692573>
- Rahner, K. (1974). The theology of the spiritual life. En *Theological investigations*, Vol. 3. New York: Seabury Press.
- Rahner, K. (1979). Experience of the Spirit: Source of theology. En *Theological investigations*, Vol. 16. New York: Seabury Press.
- Ramachandran, V. S., & Blakeslee, S. (1998). *Phantoms in the brain: Probing the mysteries of the human mind*. New York: William Morrow.
- Rao, T. S. S., Asha, M. R., Rao, K. S. J., & Vasedevaraju, P. (2009). The biochemistry of belief. *Indian Journal of Psychiatry*, 51(4), 230-241. doi: 10.4103/0019-5545.58285. <https://doi.org/10.4103/0019-5545.58285>
- Rappaport, R. A. (1999). *Holiness and humanity: Ritual in the making of religious life*. Bridgewater, NJ: Cambridge University Press.
- Rappaport, R. A. (1999). *Ritual and religion in the making of humanity*. London, UK: Cambridge University Press. <https://doi.org/10.1017/CBO9780511814686>
- Ratcliffe, M. (2006). Neurotheology: A science of what? En P. McNamara (Ed.), *Where God and science meet: How brain and evolutionary studies alter our understanding of religion*. Vol 2. Westport, CT: Praeger.
- Ratzinger, J. (1989). Letter to the bishops of the Catholic Church on some aspects of Christian meditation. Vatican City: Congregation for the Doctrine of the Faith.
- Rausch, T. P. (1998, enero 31). Divisions, dialogue, and the catholicity of the church. *America Magazine*, pp. 20-29.
- Reddy, V., & Uithol, S. (2016). Engagement: Looking beyond the mirror to understand action understanding. *British Journal of Developmental Psychology*, 34(1), 101-114. doi: 10.1111/bjdp.12106. <https://doi.org/10.1111/bjdp.12106>
- Reddy, V., & Uithol, S. (2016, marzo). Engagement: Looking beyond the mirror to understand action understanding. *British Journal of Developmental Psychology*, 34(1), 101-114.
- Redemptorist Spirituality. (2023) Obtenido de <https://redemptorists.net>
- Redfern, C., & Coles, A. (2015, julio 15). Parkinson's Disease, religion, and spirituality. *Movement Disorders in Clinical Practice*, 2(4), 341-346. doi: 10.1002/mdc3.12206. <https://doi.org/10.1002/mdc3.12206>
- Reeves, J. (2020, septiembre). Methodology in science and religion: A reply to critics. *Zygon*, 55(3), 824-836. doi: 10.1111/zygo.12630. <https://doi.org/10.1111/zygo.12630>
- Reimao, S. (2020). A window into the mind? Neuroimaging and our understanding of the human being [Grabación de audio]. Obtenido de <https://soundcloud.com/thomisticinstitute/a-window-into-the-mind-neuroimaging-and-our-understanding-of-the-human-being-pro-sofia-reimao>.
- Reiner, P. (2011). The rise of neuroessentialism. En J. Illes & Shhakian, B. J. (Eds.), *The Oxford handbook of neuroethics* (pp. 161-175). Oxford, U.K.: Oxford University Press. <https://doi.org/10.1093/oxfordhb/9780199570706.013.0049>
- Reniers, R. L. F. P., Corcoran, R., Vollm, B. A., Asha, M., Richard, H., & Liddle, P. F. (2012). Moral decision-making, ToM, empathy, and the default mode

- network. *Biological Psychology*, 90, 202-210. doi.10.1016/j.biopspsycho.2012.03.009. <https://doi.org/10.1016/j.biopspsycho.2012.03.009>
- Riordan, P. (2015, julio). [Reseña del libro, *The second-person perspective in Aquinas' ethics*, de Andrew Pinsent]. *Heythrop Journal*, 56(4), 694-696. doi: 10.1111/heyj.12250\_10. [https://doi.org/10.1111/heyj.12250\\_10](https://doi.org/10.1111/heyj.12250_10)
- Rites of the Catholic Church. (2023). Catholic News Agency. Obtenido de <http://www.catholicnewsagency.com/resources/56009/the-rites-of-the-catholic-church>
- Ritvo, E., Haji, L., Baker, L., & Albright, J. (2021, junio 2). The pandemic's impact on well-being. *Psychology Today*. Obtenido de <https://www.psychologytoday.com/us/blog/vitality/202106/the-pandemics-impact-well-being>
- Rixon, G. (2001). Bernard Lonergan and mysticism. *Theological Studies*, 62, 479-497. <https://doi.org/10.1177/004056390106200302>
- Roache, R. (2014, abril). Can brain scans prove criminals unaccountable? *AJOB Neuroscience*, 5(2), 35-37. doi: 10.1080/21507740.2014.884188. <https://doi.org/10.1080/21507740.2014.884188>
- Roberts, R. (2021, primavera). Emotions in the Christian Tradition. En E. N. Zalta (Ed.). *The Stanford encyclopedia of philosophy*. Obtenido de <https://plato.stanford.edu/archives/spr2021/entries/emotion-Christian-tradition>.
- Roberts, T. B. (2006). Chemical input, religious output—entheogens: A pharmatheology sampler. En P McNamara (Ed.), *Where God and science meet* (pp. 235-267). Westport, CT: Praeger.
- Robillard, R., Naismith, S. L., Smith, K. L., Rogers, N. L., White, D., Terpening, Z., & Hickie, I. B. (2014). Sleep-wake cycle in young and older persons with a lifetime history of mood disorders. *Plos One*, 9(2), 1-8. <https://doi.org/10.1371/journal.pone.0087763>
- Robles, T. F., & Kiecolt-Glaser. (2003, agosto). The physiology of marriage: Pathways to health. *Physiology and Behavior*, 79(3). 409-417. [https://doi.org/10.1016/S0031-9384\(03\)00160-4](https://doi.org/10.1016/S0031-9384(03)00160-4)
- Robson, J. A. (1983). The morphology of corticofugal axons to the dorsal lateral geniculate nucleus in the cat. *Journal of Comparative Neurology*, 216, 89-103. <https://doi.org/10.1002/cne.902160108>
- Rohlf, M. (2020, otoño). Immanuel Kant. En E. N. Zalta (Ed.), *The Stanford encyclopedia of philosophy*. Obtenido de <https://plato.stanford.edu/archives/fall2020/entries/kant>.
- Rolls, E. T. (1999). *The brain and emotion*. Oxford, U.K.: Oxford University Press.
- Rose, E., Westfield, J., & Ansley, T. (2008). Spiritual issues in counseling: Clients' beliefs and preferences. *Psychology of Religion and Spirituality*, 5(1), 18-33. <https://doi.org/10.1037/1941-1022.S.1.18>
- Rosok, I. (2011). Unconditional surrender and love: How spirituality illuminates the theology of Karl Rahner. *The Way*, 50(4), 121-132.
- Rosok, I. (2017, enero). The kenosis of Christ revisited: The relational perspective of Karl Rahner. *Heythrop Journal*, 63(1), 51-63. doi: 10.1111/j.1468-2265.2012.00773.x. <https://doi.org/10.1111/j.1468-2265.2012.00773.x>
- Rossano, M. J. (2007). Did meditating make us human? *Cambridge Archaeological Journal*, 17(1), 47-58. doi: 10.1017/S0959774307000054. <https://doi.org/10.1017/S0959774307000054>

- Roth, G., & Dicke, U. (2005). Evolution of the brain and intelligence. *Trends in Cognitive Sciences*, 9(9). <https://doi.org/10.1016/j.tics.2005.03.005>
- Rottschaefer, W. A. (1999, marzo). The image of God of neurotheology: Reflections on culturally based religious commitment or evolutionarily based neuroscientific theories? *Zygon*, 34(1), 57-65. doi: 10.1111/0591-2385.192199  
9192. <https://doi.org/10.1111/0591-2385.1921999192>
- Rowe, C. (1999). Receiver psychology and the evolution of multi-component signals. *Animal Behavior*, 58, 921-931. <https://doi.org/10.1006/anbe.1999.1242>
- Roy, L. (2001). *Transcendent experiences: Phenomenology and critique*. Toronto, Canada: University of Toronto Press. <https://doi.org/10.3138/9781442682733>
- Ruczaj, S. (2022). Grace contra nature: The etiology of Christian religious beliefs from the perspective of theology and the cognitive science of religion. *Theology and Science*. Obtenido de <https://www.tandfonline.com/loi/rtas20>. <https://doi.org/10.1080/14746700.2022.2124480>
- Runehov, A. L. (2007). *Sacred or neural? The potential of neuroscience to explain religious experience*. Gottingen: Vandenhoeck & Ruprecht.
- Russell, R. J., Murphy, N., Meyering, T. C., & Arbib, M. A. (1999/2004). Neuroscience and the person: Scientific perspectives on divine action. Castel Gondolfo, Italy: Vatican Observatory.
- Ryan, T. (2014, abril). Second-person perspective, virtues, and the gifts in Aquinas' ethics. *Australian eJournal of Theology*, 21(1), 1-14.
- Sanguineti, J. J. (2011). Can free decisions be both intentional and neural operations? En J. J. Sanguineti, A. Acerbi, & J. A. Lombo (Eds.), *Moral behavior and free will: A neurobiological and philosophical approach* (pp. 179-202). Morolo, Italia: IF Press.
- Sanguineti, J. J. (2013). Can the self be considered a cause? En G. Auletta, I. Colage, & M. Jeannerod (Eds.), *Brains top down: Is top-down causation challenging neuroscience?* (pp. 121-142). Hackensack, NJ: World Scientific. [https://doi.org/10.1142/9789814412469\\_0006](https://doi.org/10.1142/9789814412469_0006)
- Sanguineti, J. J. (2013). Neuroscience, philosophical relevance of. En R. L. Fastiggi [Ed.]. *New Catholic encyclopedia supplement 2012-2013: Ethics and philosophy*. Vol. 3 (pp. 1065-1068). Detroit, MI: Gale.
- Sanguineti, J. J. (2015). The relevance of neuroscience in the study of religiosity. *Scientia et Fides*. Obtenido de <http://www.academia.edu>
- Sanguineti, J. J. (2019). Freedom. En Philosophica: *Enciclopedia filosofica*. Obtenido de <http://www.philosofica.info/archivo/2019/voces/libertad/libertad.html>
- Sanguineti, J. J. (2022). For a philosophy of the human brain. Obtenido de <http://www.academia.edu>
- Sanislow, C., Pine, D., Quinn, K., Kozak, M., Garvey, M., Heinssen, R., & Cuthbert, B. (2010). Developing constructs for psychopathology research: Research domain criteria. *Journal of Abnormal Psychology*, 119(4), 631-639. <https://doi.org/10.1037/a0020909>
- Sapolsky, R.M. (2023). *Determined: A science of life without free will*. New York, NY: Penguin Press.

- Sarbacker, S. (2016, agosto 31). Rudolf Otto and the Concept of the Numinous. Oxford Research Encyclopedias. Obtenido de <https://doi.org/10.1093/acrefore/9780199340378.013.88>.
- Sattler, D. (2022). Being Roman Catholic today in a worldwide context: Ecumenical perspectives on confessional reform efforts. *Ecumenical Review*, 74(1), 84-97. <https://doi.org/10.1111/erev.12677>
- Sbarra, D. A., & Hazan, C. (2008). Coregulation, dysregulation, self-regulation: An integrated analysis and empirical agenda for understanding adult attachment, separation, loss, and recovery. *Personality and Social Psychology Review*, 12(2), 141-167. <https://doi.org/10.1177/1088868308315702>
- Scaramelli, G. B. (1913/2005). *A handbook of mystical theology*. Berwick, ME: Nicolas-Hays.
- Schall, J. D. (2009). Actions, reasons, neurons, and causes. En V. P. Gay (Ed.), *Neuroscience and religion: Brain, mind, self, and soul* (pp. 175-198). Lanham, MD: Rowman & Littlefield.
- Scherer, K. R., & Zentner, M. R. (2001). Emotional effects of music: Production rules. En J. Juslin & J. Sloboda (Eds.), *Music and emotion* (pp. 361-3920. Oxford, U. K.: Oxford University Press. <https://doi.org/10.1093/oso/9780192631886.003.0016>
- Schleiermacher, F. (1799/1996). *On religion: Speeches to its cultured despisers. Cambridge texts in the history of philosophy*. Cambridge, U.K.: Cambridge University Press.
- Schmidt, S. N. L., Hass, J., Kirsch, P., & Mier, D. (2021, mayo). The human mirror neuron system—A common neural basis for social cognition? *Psychophysiology*, 58(5). Obtenido de <https://doi.org/10.1111/psyp.13781>.
- Schmidt, S., & Walah, H. (eds.). (2014). *Meditation: Neuroscientific approaches and philosophical implications*. New York: Springer. <https://doi.org/10.1007/978-3-319-01634-4>
- Schore, A. N. (2003a). *Affect regulation and the repair of the self*. New York: Norton.
- Schore, A. N. (2021, abril 20). The interpersonal neurobiology of intersubjectivity. *Frontiers in Psychology*, 12:648616. Obtenido de <http://doi.org/10.3389/fpsyg.2021.648616>.
- Schwartz, M. E. (2012). Consciousness, spirituality, and postmaterialist science: An empirical and experiential approach, En L. Miller (Ed.), *Handbook of Psychology and Spirituality*. New York: Oxford University Press. <https://doi.org/10.1093/oxfordhb/9780199729920.013.0037>
- Science Council. (2023). Science. Obtenido de <https://sciencecouncil.org/about-science/our-definition-of-science>.
- Scott, B. (2004). Second-order cybernetics: An historical introduction. *Kybernetes*, 33(9), 1365-1378. <https://doi.org/10.1108/03684920410556007>
- Seligman, M. E. P., & Csikszentmihalyi, M. (2000). Positive psychology: An introduction. *American Psychologist*, 55, 5-14. <https://doi.org/10.1037/0003-066X.55.1.5>
- Sevine, G., & Spreng, R.N. (2014). Contextual and perceptual brain processes underlying moral cognition: A quantitative meta-analysis of moral reasoning and moral emotions. *Plos One*, 9, e87427. doi:10.1371/journal.pone.0087427. <https://doi.org/10.1371/journal.pone.0087427>

- Shae, H. (2021, julio). Internal difficulties in the theology of Karl Rahner. *Modern Theology*, 37(3). doi:10.1111/moth.12652. <https://doi.org/10.1111/moth.12652>
- Shamay-Tsoory, S. G., Tomoer, R., Goldsher, D., Berger, B. D. & Aharon-Peretz, J. (2004). Impairment in cognitive and affective empathy in patients with brain lesions: Anatomical and cognitive correlates. *Journal of Clinical and Experimental Neuropsychology* 26(8), 1113-1127. <https://doi.org/10.1080/13803390490515531>
- Shannon, N. D. (2017, septiembre). Believe and confess: Revisiting Christian doxastic intentionality. *Heythrop Journal*, 58(5), 749-761. doi: 10.1111/j.1468-2265.2012.00795.x. <https://doi.org/10.1111/j.1468-2265.2012.00795.x>
- Shantz, D. H. (2010). The place of religion in a secular age: Charles Taylor's explanation of the rise and significance of secularism in the West. Calgary, Canada: University of Calgary. Obtenido de [https://arts.ucalgary.ca/sites/default/files/teams/2/CLARE/ChairChristian Thought/2009march16\\_schantz Charles\\_taylorlecture.pdf](https://arts.ucalgary.ca/sites/default/files/teams/2/CLARE/ChairChristian Thought/2009march16_schantz Charles_taylorlecture.pdf).
- Sharifi, S. (2018). Relationship between attachment style to God and depression in female breast-cancer patients: The mediating role of illness perception. *Pakistan Journal of Medical and Health Sciences*, 61(1), 27-35.
- Shear, J., & Jevning, R. (1999). Pure consciousness: Scientific exploration of meditation techniques. *Journal of Consciousness Studies*, 6(2-3), 189-210.
- Shukla, S., Acharya, S., & Raiput, C. (2013). Neurotheology: Matters of the mind or matters that mind? *Journal of Clinical and Diagnostic Research*, 7, 1486-1490. <https://doi.org/10.7860/JCDR/2013/5409.3181>
- Siegel, D. J. (1999/2020). *The developing mind: How relationships and the brain interact to shape who we are*. (3rd. ed.). New York: Guilford.
- Siegel, D. J. (2006). An interpersonal neurobiology approach to psychotherapy. *Psychiatric Annals*, 36, 248-256. Obtenido de <http://www.healio.com/psychiatry/journals/psycann/2006-4-36-3>. <https://doi.org/10.3928/00485713-20060401-06>
- Siegel, D. J. (2007). *The mindful brain: Reflection and attunement in the cultivation of well-being*. New York: W. W. Norton.
- Siegel, D. J. (2012). *Pocket guide to interpersonal neurobiology: An integrative handbook of the mind*. New York: W. W. Norton.
- Siegel, D. J., & Drulis, C. (2023, febrero 3). An interpersonal neurobiology perspective on the mind and mental health: Personal, public, and planetary wellbeing. *Annals of General Psychiatry*, 22(5). Obtenido de doi: 10.1186/s1991-023-0043405
- Simmonds-Moore, C., Rice, D. L., O'Gwin, A., & Hopkins, R. (2019). Exceptional experiences following exposure to a sham "God helmet:" Evidence for placebo, individual difference, and time of day influences. *Imagination, Cognition, and Personality: Consciousness in Theory, Research, and Practice*, 39(1), 44-87. <https://doi.org/10.1177/0276236617749185>
- Simmons, J. A. (2019). Robert Cummings Neville, Defining religion: Essays in philosophy of religion. *International Journal for Philosophy of Religion*. Obtenido de <https://research-ebsco-com.eresources.cuyahogalibrary.org/e/oeuzzwh/viewer/html/dvcohi4liv>. <https://doi.org/10.1007/s11153-019-09705-2>

- Singh, N., & Telles, S. (2015). Neurophysiological effects of meditation based on evoked and event-related potential recordings. *BioMed Research International*, 1-11. Obtenido de <http://dx.doi.org/10.1155/2015/406261>
- Sisters of Notre Dame. (2023). Obtenido de <http://www.snd1.org>
- Skrzypinska, K. (2021). Does spiritual intelligence (SI) exist? A theoretical investigation of a tool useful for finding the meaning of life. *Journal of Religion and Health*, 60(1), 500-516. doi: 10.1007/s10943-020-01005-8. <https://doi.org/10.1007/s10943-020-01005-8>
- Smith, D. W. (2013, verano). Phenomenology, En E. N. Zalta (Ed.), *The Stanford encyclopedia of philosophy*. Obtenido de <https://plato.stanford.edu/archives/sum2013/entries/phenomenology>
- Smith, E. E. (2017, verano). How does the brain experience God? Interview on neurotheology with Andrew B. Newberg. *Sufi*, 31-37.Snead, O. C. (2020, Diciembre 1). The anthropology of expressive individualism. *Church Life Journal: A Journal of the McGrath Institute for Church Life*. Notre Dame, IN: University of Notre Dame. Obtenido de <https://churchlifejournal.nd.edu/articles/the-anthropology-of-expressive-individualism>
- Society of Catholic Scientists. (2023). Obtenido de <http://www.catholicscientists.org>
- Sohn, Y. H. I., Kaelin-Lang, A., & Hallett, M. (2003, julio). The effect of transcranial magnetic stimulation on movement selection. *Journal of Neurology, Neurosurgery, and Psychiatry*, 74 (7), 985-987. doi: 10.1136/jnnp.74.7.985. <https://doi.org/10.1136/jnnp.74.7.985>
- Song, Y., Tian, M., & Liu, J. (2012, agosto 29). Top-down processing of symbolic meanings modulates the visual word form area. *Journal of Neuroscience*, 32(35), 12277-12283. doi: <https://doi.org/10.1523/JNEUROSCI.1874-12.2012>
- Sorenson, S. J. (2013). Depression and God: The effect of major depressive disorder on theology and religious identity. *Pastoral Psychology*, 62(3), 343-353. doi: 10.1007/s11089-012-0479-3. <https://doi.org/10.1007/s11089-012-0479-3>
- Sosis, R. (2000). Religion and intragroup cooperation: Preliminary results of a comparative analysis of utopian communities. *Cross-Cultural Research*, 34, 70-87. <https://doi.org/10.1177/106939710003400105>
- Sosis, R. (2003). Why aren't we all Hutterites? *Human Nature*, 14(2), 91-127. <https://doi.org/10.1007/s12110-003-1000-6>
- Sosis, R., & Bressler, E. (2003). Cooperation and commune longevity: A test of the costly signaling theory of religion. *Cross-Cultural Research*, 37, 211-239. <https://doi.org/10.1177/1069397103037002003>
- Sosis, R., & Ruffle, B. (2003). Religious ritual and cooperation: Testing for a relationship on Israeli religious and secular kibbutzim. *Current Anthropology*, 44, 713-722. <https://doi.org/10.1086/379260>
- Sosis, R., & Ruffle, B. (2004). Ideology, religion, and the evolution of cooperation: Field experiments on Israeli Kibbutzim. *Research in Economic Anthropology*, 23, 87-115. [https://doi.org/10.1016/S0190-1281\(04\)23004-9](https://doi.org/10.1016/S0190-1281(04)23004-9)
- Sousa, D. A. (2011). *How the brain learns.* (4<sup>a</sup> ed.). Thousand Oaks, CA: Corwin. <https://doi.org/10.4135/9781452219684>

- Spezio, M. (2000, marzo 1). [Reseña del libro, *Whatever happened to the Soul? Scientific and theological portraits of human nature* de W. S. Brown, N. Murphy, & H. N. Malony (Eds.)]. *Zygon: Journal of Religion & Science*, 35(2), 202-204.

Spezio, M. L. (2011, marzo). The neuroscience of emotion and reasoning in social contexts: Implications for moral theology. *Modern Theology*, 27(2), 339-356. doi:10.1111/j.1468-0025.2010.01680.x. <https://doi.org/10.1111/j.1468-0025.2010.01680.x>

Spezio, M. L. (2013, junio). Social neuroscience and theistic evolution: Intersubjectivity, love and the social sphere. *Zygon: Journal of Religion and Science*, 48(2), 428-438. doi: 10.1111/zgyo.12005. <https://doi.org/10.1111/zgyo.12005>

Spirituality: Canons Regular of Premontre. (2023). Obtenido de <https://www.norbertines.org.uk/the-order/spirituality>

Spitzer, R. (2015) *The soul's upward yearning: Clues to our transcendent nature from experience and reason*. San Francisco, CA: Ignatius Press.

Sporns, O. (2016). *Networks of the brain*. Cambridge, MS: MIT Press.

Stace, W. (1960). *Mysticism and philosophy*. London, U.K.: Macmillan.

Stanton, S. (2023). Epistemology and how we come to know. Obtenido de magis center.com/blog/epistemology.

Statistics & Data. (2022). "Most popular religions in the world—1945-2022." Obtenido de [www.statisticsanddata.org/data/most-popular-religions-in-the-world](http://www.statisticsanddata.org/data/most-popular-religions-in-the-world)

Stein, E. (2000). Individual and Community. En E. Stein & M. Sawicki et al. (Eds.), *Philosophy of psychology and the humanities: The collected works of Edith Stein, vol. 7*. Washington, DC: ICS Publications.

Steup, M. (1997). [Reseña del libro *Perceiving God. The epistemology of religious experience* de W. Alston]. *Nous*, 31(3), 408-421. <https://doi.org/10.1111/0029-4624.00052>

Stinson, C. (2016). Mechanisms in psychology: Ripping nature at its seams. *Synthese*, 193(5), 1585-1614. <https://doi.org/10.1007/s11229-015-0871-5>

Stockigt, B., Jeserich, F., Walach, H., Elies, M., & Brinkhaus, B. (2021, Diciembre). Experiences and perceived effects of rosary praying. *Journal of Religion and Health*, 60(6), 3886-3906. doi: 10.1007/s10943-021-01299-2.

Stoeber, M. (1992). Constructivist epistemologies of mysticism: A critique and a revision. *Religious Studies*, 28, 107-116. <https://doi.org/10.1017/S00344112500021417>

Stone, J. A. (2000, junio). J. Wentzel van Huyssteen: Refiguring rationality in the postmodern age. *Zygon: Journal of Religion and Science*, 35(2), 415-426. doi: 10.1111/0591-2385.00284. <https://doi.org/10.1111/0591-2385.00284>

Stovall, P. (2011). Professional virtue and professional self-awareness: A case study in engineering ethics. *Science and Engineering Ethics*, 17, 109-132. doi:10.1007/s11948-009-9182-x. <https://doi.org/10.1007/s11948-009-9182-x>

Strawn, B. D., & Brown, W. S. (2013). Liturgical animals: What psychology and neuroscience tell us about formation and worship. *Liturgy*, 28(4). Fuller Theological Seminary. doi: 10.1080/0458063X.2013.803838 Obtenido de <http://>

- ://www.tandfonline.com/loi/ultg20. https://doi.org/10.1080/0458063X.2013.803838
- Stuckey, H. L., & Nobel, J. (2010, febrero). The connection between art, healing, and public health: A review of current literature. *American Journal of Public Health*, 100(2), 254-63. doi: 10.2105/AJPH.2008.156497. https://doi.org/10.2105/AJPH.2008.156497
- Stucky, K., Kirkwood, M. W., Donders, J., & Liff, C. (Eds.). (2014/2020). *Clinical neuropsychology study guide and board review*. New York: Oxford University Press.
- Stuhlmeuller, C. (Ed.). (1996). *The Collegeville pastoral dictionary of Biblical theology*. Collegeville, MN: Liturgical Press.
- Sullivan, J. (2016a). Construct stabilization and the unity of the mind-brain sciences. *Philosophy of Science*, 83, 662-673. https://doi.org/10.1086/687853
- Sullivan, J. (2016b). Stabilizing constructs across different research fields as a way to foster the integrative approach of the research domain criteria project. *Frontiers in Human Neuroscience*, 10, 309. https://doi.org/10.3389/fnhum.2016.00309
- Sullivan, J. (2016c). Neuroscientific kinds through the lens of scientific practice. En C. Kendig (Ed.), *Natural kinds and classification in scientific practice* (pp. 47-56). New York: Routledge.
- Sullivan, J. A. (2017, Junio). Coordinated pluralism as a means to facilitate integrative taxonomies of cognition. *Philosophical Explorations*, 20(2), 129-145. doi: 10.1080/13869795.2017.1312497. https://doi.org/10.1080/13869795.2017.1312497
- Swaab, D. F. (2001, agosto 20-24). Plasticity in the adult brain: From genes to neurotherapy. *Proceedings of the 22nd International Summer School of Brain Research*. (M. A. Hoffman et al., Eds.). University of Amsterdam: Elsevier.
- Sweet, W. (2019). Jacques Maritain. En *Stanford encyclopedia of philosophy*. Obtenido de https://plato.stanford.edu/entries/maritain. https://doi.org/10.1017/9781108669979.024
- Tangney, J. P. (2009). Humility. En S. J. Lopez & C. R. Snyder (Eds.), *Oxford Handbook of Positive Psychology, 2nd Edition* (pp. 483-490). New York: Oxford University Press. https://doi.org/10.1093/oxfordhb/9780195187243.013.0046
- Taylor, C. (1989). *Sources of the self: The making of modern identity*. Cambridge, MA: Harvard University Press.
- Taylor, C. (2003). *Varieties of religion today: William James revisited. Series: Institute for Human Sciences Vienna Lecture*. Cambridge, MA: Harvard University Press. https://doi.org/10.2307/j.ctv1p6hqbp
- Taylor, C. (2018). *A secular age*. Cambridge, MA: Belknap, Harvard University Press.
- Taylor, K. I., et al. (1999). Qualitative hemispheric differences in semantic category matching. *Brain and Language*, 70(1), 119-131. https://doi.org/10.1006/brln.1999.2148
- Taylor, K., Zach, P., & Brugger, P. (2002). Why is magical ideation related to leftward deviation on an implicit line bisection task? *Cortex*, 38(2), 247-252. https://doi.org/10.1016/S0010-9452(08)70653-1
- Teresa of Avila, St. (1577/1980). *The collected works of Teresa of Avila, vol. 2, The Way of Perfection and Interior Castle*. Washington, DC: ICS Publications.

- Thielicke, H. & Louth, A. (2022). Theology, En *Encyclopedia Britannica*. Obtenido de <http://www.britannica.com/topic/theology>
- Thurston, H. (1911/2023). Relics. En *The Catholic encyclopedia*. New York: Robert Appleton. En *New Advent Catholic encyclopedia*. Obtenido de <https://www.newadvent.org/cathen/12734a>
- Titus, C. S., & Moncher, F. (2009). A Catholic Christian positive psychology: A virtue approach. *Edification: Journal of the Society for Christian Psychology*, 57-63.
- Tranel, D., Hathaway-Nepple, J., & Anderson, S. W. (2007). Impaired behavior on real-world tasks following damage to the ventromedial prefrontal cortex. *Journal of Clinical and Experimental Neuropsychology*, 29(3), 319–332. Obtenido de <https://doi.org/10.1080/13803390600701376>
- Traska, B. (2017, marzo). [Reseña del libro *Brain, Consciousness, and God* de D. A. Helminiak]. *Zygon: Journal of Religion and Science*, 52(1), 282-284. doi: 10.1111/zgyo.12323. <https://doi.org/10.1111/zgyo.12323>
- Trepanier, L. (2017). Culture and education in Josef Pieper's thought. Obtenido de <http://www.voegelinview.com/culture-education-josef-piepers-thought>
- Trevena, J., & Miller, J. (2010). Brain preparation before a voluntary action: Evidence against unconscious movement initiation. *Consciousness and Cognition*, 19 (1), 447-456. <https://doi.org/10.1016/j.concog.2009.08.006>
- Tucker, D. M. (2013, agosto). [Reseña]. Neuropsychological foundations of conscious experience. *The Journal of Nervous and Mental Disease*, 201(8), 724-725. Obtenido de <http://www.jonmd.com> <https://doi.org/10.1097/NM.0b013e31829db73c>
- Turner, L. (2020). Isolating the individual: Theology, the evolution of religion, and the problem of abstract individualism. *Zygon: Journal of Religion and Science*, 55(1), 207-228. doi: 10.1111/zgyo.12580. <https://doi.org/10.1111/zgyo.12580>
- Turner, R. (2016). Uses, misuses, new uses and fundamental limitations of magnetic resonance imaging in cognitive science. *Philosophical Transactions B*, 371(1705), 1-11. doi: 10.1098/rstb.2015.0349. Obtenido de <http://www.rstb.royalsocietypublishing.org> <https://doi.org/10.1098/rstb.2015.0349>
- Turner, V. (1967). *The forest of symbols*. New York: Cornell University Press.
- Turner, V. (1969). *The ritual process*. Chicago, IL: Aldine.
- Turri, J., Alfano, M., & Greco, J. (2021, invierno). Virtue Epistemology, En E. N. Zalta (Ed.), *The Stanford encyclopedia of philosophy*. Obtenido de <https://plato.stanford.edu/archives/win2021/entries/epistemology-virtu>
- Uddin L. Q. (2020). Bring the noise: Reconceptualizing spontaneous neural activity. *Trends in Cognitive Sciences*, 24(9), 734–746. <https://doi.org/10.1016/j.tics.2020.06.003>
- Umpleby, S. A. (2016). Second-order cybernetics as a fundamental revolution in science. *Constructivist Foundations*, 11(3), 455-465.
- Underhill, E. (1911). *Mysticism: A study in the nature and development of man's spiritual consciousness*. New York: E. P. Dutton and Company.
- University of Edinburgh. (2016). Science and religion: Three views. [Curso online, modulo 2: *Philosophy, Science, and Religion*]. Obtenido de <https://www.coursera.org/learn/philosophy-science-religion-3>

- Uttal, W. (2001). *The new phenomenology: The limits of localizing cognitive processes in the brain*. Cambridge, MA: MIT Press.
- van Dongen, J. D. M. (2020, abril 6). The empathic brain of psychopaths: From social science to neuroscience in empathy. *Frontiers in Psychology*, 11, 1-12. Obtenido de <https://doi.org/10.3389/fpsyg.2020.00695>
- von Hildebrand, D. (2001). *Transformation in Christ: On the Christian attitude*. San Francisco, CA: Ignatius Press.
- van Huyssteen, J. W. (1999). *The shaping of rationality: Toward interdisciplinarity in theology and science*. Grand Rapids, MI: William Eerdmans.
- van Huyssteen, J. W. (2006). *Alone in the world? Human uniqueness in science and theology*. Grand Rapids, MI: William Eerdmans.
- van Inwagen, P., & Sullivan, M. (2021, Winter). Metaphysics, in E. N. Zalta (Ed.). *Stanford encyclopedia of philosophy*. Obtenido de <https://plato.stanford.edu/archives/win2021/entries/metaphysics/>
- Varela, F., & Singer, W. (1987). Neuronal dynamics in the visual cortico-thalamic pathway as revealed through binocular rivalry. *Experimental Brain Research*, 66(1), 10-20. <https://doi.org/10.1007/BF00236196>
- Varela, F., Thompson, E., & Rosch, E. (1991/2017). *The embodied mind: Cognitive science and human experience*. Cambridge, MA: MIT Press. <https://doi.org/10.7551/mitpress/6730.001.0001>
- Verheijde, J. L., & Potts, M. (2010). Commentary on the concept of brain death within the Catholic bioethical framework. *Christian Bioethics*, 16, 246-256. <https://doi.org/10.1093/cb/cbq019>
- Vicini, A. (2012). Imaging in severe disorders of consciousness: Rethinking consciousness, identity, and care in a relational key. *Journal of the Society of Christian Ethics*, 32, 169-191. <https://doi.org/10.1353/sce.2012.0012>
- Vicini, A. (2014). Neuroscience and bioethics. *La Civilta Cattolica*, 2, 143-158.
- Vielen, C., Scammel, S., Pilato, R., Ammondson, I., Pargament, K. I., & Lukoff, D. (2013). Spirituality and religious competencies for psychologists. *Psychology of Religion and Spirituality*, 5(3), 129-144. doi: 10.1037/a0032699. <https://doi.org/10.1037/a0032699>
- Vielen, C., Wahbeh, H., Cahn, B. R., MacLean, K., Estrada, M., Mills, P., Delorme, A. (2018). Future directions in meditation research: Recommendations for expanding the field of contemplative science. *PLoS One*, 13(11), 1-30. doi: 10.1371/journal.pone.0205740. <https://doi.org/10.1371/journal.pone.0205740>
- Vincelette, A. (2011). *Recent Catholic philosophy: The twentieth century*. Milwaukee, WI: Marquette University Press.
- Vincelette, A. (2020). *A reader in recent Catholic philosophy*. St. Louis, MO: Enroute.
- Vincentian Spirituality. (2023). Obtenido de <https://vinformation.org>
- Vitz, P. C. (2009). Reconceiving personality theory from a Catholic Christian perspective. *Edification*, 3, 42-50.
- Vitz, P. C. (2011). Christian and Catholic advantages for connecting psychology with the faith. *Journal of Psychology and Christianity*, 30, 294-306.
- Vitz, P. C., Nordling, W. J., & Titus, C. S. (Eds.). (2020). *A Catholic Christian meta-model of the person*. Sterling, VA: Divine Mercy University Press.
- Vogt, C. P. (2016). Virtue: Personal formation and social transformation. *Theological Studies*, 77, 181-196. <https://doi.org/10.1177/0040563915620509>

- Von Hildebrand, D. (2001). *Transformation in Christ*. San Francisco, CA: Ignatius.
- Wahlberg, M. (2020, Fall). Divine revelation. En E. N., Zalta (Ed.), *The Stanford encyclopedia of philosophy*. Obtenido de <https://plato.stanford.edu/archives/fall2020/entries/divine-revelation>
- Wainright, W. J. (1981). *Mysticism: A study in its nature, cognitive value, and moral implications*. Madison, WI: University of Wisconsin Press.
- Wainright, W. J. (2011). The spiritual senses in Western spirituality and the analytic philosophy of religion. *European Journal for the Philosophy of Religion*, 3, 21-41. <https://doi.org/10.24204/ejpr.v3i1.379>
- Walch, J. (2015). Nested narratives: Interpersonal neurobiology and Christian formation. *Christian Education Journal*, 12, 151-161. <https://doi.org/10.1177/073989131501200111>
- Wall, T. (2015, abril). Resurrection and the natural sciences: Some theological insights on sanctification and disability. *Science and Christian Belief*, 27(1), 41-58.
- Walter, V. J., & Walter, W. G. (1949). The central effects of rhythmic sensory stimulation. *Electroencephalography and clinical neurophysiology*, 1, 57-86. [https://doi.org/10.1016/0013-4694\(49\)90164-9](https://doi.org/10.1016/0013-4694(49)90164-9)
- Watts, F. (2002). Cognitive neuroscience and religious consciousness. En R. J. Russell, N. Murphey, T. C. Meyering, T. C., & M. A. Arbib, (Eds.), *Neuroscience and the person: Scientific perspectives on divine action* (pp.327-346). Notre Dame, IN: University of Notre Dame Press.
- Weaver, E. (2023). *Overcoming the darkness: Shining the light on mental illness, trauma, and suicide*. Obtenido de [www.overcomingthedarkness.com/eric-weaver](http://www.overcomingthedarkness.com/eric-weaver)
- Weisberg, D. S., Keil, F. C., Goodstein, J., Rawson, E., & Gray, J. R. (2008). The seductive allure of neuroscience explanations. *Journal of Cognitive Neuroscience*, 20, 470-477. <https://doi.org/10.1162/jocn.2008.20040>
- Weissenbacher, M. C. (2015, marzo). Ten principles for interpreting neuroscientific pronouncements regarding human nature. *Dialogue: A Journal of Theology*, 54(1), 41-50. doi: 10.1111/dial.12153. <https://doi.org/10.1111/dial.12153>
- Weker, M. (2016, diciembre). Searching for neurobiological foundations of faith and religion. *Studia Humana*, 5(4), 57-63. doi: 10.1515/sh-2016-0024. <https://doi.org/10.1515/sh-2016-0024>
- Werk, R. S., Steinhorn, D. M., & Newberg, A. (2021). The relationship between spirituality and the developing brain: A framework for pediatric oncology. *Journal of Religion and Health*, 60(1), 389-405. doi: 10.1007/s10943-020-01014-7. <https://doi.org/10.1007/s10943-020-01014-7>
- White, C. (2017). What the cognitive science of religion is (and is not). En A. W. Hughes (Ed), *Theory in a time of excess: Beyond reflection and explanation in religious studies scholarship* (pp. 95-114). London, U.K.: Equinox Publishing.
- Whitehouse, H. (2000). *Arguments and icons: Divergent modes of religiosity*. Oxford, U.K.: Oxford University Press. <https://doi.org/10.1093/oso/9780198234142.001.0001>
- Wildman, W. & Brothers, L. (2002). A neuropsychological-semiotic model of religious experiences. En R. J. Russell, N. Murphey, T. C. Meyering, T. C., & M. A. Arbib, (Eds.). *Neuroscience and the person: Scientific perspectives on divine*

- action* (pp. 347-416). Notre Dame, IN: University of Notre Dame Press. <https://doi.org/10.1163/15709256-12341274>
- Wildman, W. J. (2013). Spiritual experiences: A quantitative-phenomenological approach. *Journal of Empirical Theology*, 26(2), 139-164. doi: 10.1163/15709256-12341274.
- Wilson, C., Bungay, H., Munn-Giddings, C., & Boyce, M. (2016, abril). Healthcare professionals' perceptions of the value and impact of the arts in healthcare settings: A critical review of the literature. *International Journal of Nursing Studies*, 56, 90-101. doi: 10.1016/j.ijnurstu.2015.11.003. <https://doi.org/10.1016/j.ijnurstu.2015.11.003>
- Wilson, E. O. (1998). *Consilience: The unity of knowledge*. Visalia, CA: Vintage Press.
- Winkelman, M. (2000). *Shamanism: The neural ecology of consciousness and healing*. Westport, CT: Bergin. <https://doi.org/10.5040/9798216986232>
- Wintering, N., Yaden, D. B., Conklin, C., Alizadeh, M., Mohamed, F. B., Zhong, L., Newberg, A. B. (2021). Effect of a one-week spiritual retreat on brain functional connectivity: A preliminary study. *Religions*, 12(1), 23. doi: 10.3390/rel12010023. <https://doi.org/10.3390/rel12010023>
- Wiseman, J. A. (1993). Mysticism. En M. Downey (Ed.), *The new dictionary of Catholic spirituality* (pp. 681-692). Collegeville, MN: Liturgical Press.
- Wolff, H. W. (1974). *Anthropology of the Old Testament*. Philadelphia, PA: Fortress Press.
- Woodward, G. (2023). Karl Rahner (1904-1984). *Internet encyclopedia of philosophy: A peer-reviewed academic resources*. Obtenido de <http://iep.utm.edu/rahner>
- Worthington, E. L. (1989). Religious faith across the life span: Implications for counseling and research. *The Counseling Psychologist*, 17(4), 555-612. <https://doi.org/10.1177/00111000089174001>
- Yaden, D. B., & Newberg, A. B. (2022). *The varieties of spiritual experiences: 21<sup>st</sup> century research and perspectives*. Oxford, U.K.: Oxford University Press. <https://doi.org/10.1093/oso/9780190665678.001.0001>
- Yaden, D. B., Haidt, J., Hood, R. W., Vago, D. R., & Newberg, A. B. (2017, junio). The varieties of self-transcendent experience. *Review of General Psychology*, 21(2), 1-18. doi: 10.1037/gpr0000102. <https://doi.org/10.1037/gpr0000102>
- Yaden, D. B., Le Nguyen, K. D., Kern, M. L., Belser, A. B., Eichstaedt, J. C., Iwry, J., Newberg, A. B. (2017, julio). Of roots and fruits: A comparison of psychedelic and nonpsychedelic mystical experiences. *Journal of Humanistic Psychology*, 57(4), 1-16, 338-353. doi: 10.1177/0022167816674625. <https://doi.org/10.1177/0022167816674625>
- Yamane, D. (2007). Introduction: *Habits of the heart at 20*: Symposium on the 20<sup>th</sup> Anniversary of *Habits of the Heart*. *Sociology of Religion*, 68(2), 179-187. <https://doi.org/10.1093/socrel/68.2.179>
- Yasinski, E. (2021, julio 12). Religion on the brain. *The Scientist*. Obtenido de <https://www.the-scientist.com/news-opinion/religion-on-the-brain-68969>
- Zagzebski, L. T. (2009). *On epistemology*. Belmont, CA; Wadsworth.
- Zagzebski, L. T. (2021). *The two greatest ideas: How our grasp of the universe and our minds changed everything*. Princeton, NJ: Princeton University Press. <https://doi.org/10.1515/9780691211244>

- Zarzycka, B., & Zietek, P. (2019, agosto). Spiritual growth or decline and meaning making as mediators of anxiety and satisfaction with life during religious struggle. *Journal of Religion and Health*, 58(4), 1072-1086. doi: 10.1007/s10943-018-0598-y. <https://doi.org/10.1007/s10943-018-0598-y>
- Zinnbauer, B. J., & Pargament, K. I. (2005). Religiousness and spirituality. En R. F. Paloutzian & C. Park (Eds.), *Handbook of the psychology of religion and spirituality* (pp. 21-42). New York: Guilford.
- Zohar, D., & Marshall, I. (2000). Spiritual Intelligence: The Ultimate Intelligence. London: Bloomsbury.

### Bibliografía complementaria

- Anderson, E. B. (1997, verano). Liturgical catechesis: Congregational practice as formation. *Religious Education*, 93(3), 349-363.
- Anscombe, G. E. M., Schneewind, J. B., & Reiman, J. H. (1958/2004). O'Hear, A. (Ed.), *Modern Moral Philosophy*. Cambridge, U.K.: Cambridge University Press.
- Augustín, Sto. (400/1947). *De libero arbitrio voluntatis*. Richmond, VA: Dietz Press.
- Benedicto XVI, Papa. (1988/2007). *Eschatology: Death and eternal life*. 2<sup>a</sup> ed. Washington, DC: Catholic University of America Press.
- Bouyer, L. (2017). *Mysterion: De mystère à la mystique*. Paris, France : Edition du Cerf.
- Byrne, P. (2016). [Reseña del libro *Authenticity of self-transcendence: The enduring insights of Bernard Lonergan* de M. H. McCarthy]. Obtenido de <https://ndor.nd.edu/reviews/>
- Carlson, J. W. (2012). *Words of wisdom: A philosophical dictionary for the perennial tradition*. South Bend, IN: University of Notre Dame Press. <https://doi.org/10.2307/j.ctvpj7586>
- Catholic Church. (1983/2022). *Code of Canon Law* (4<sup>a</sup> ed.) Arrieta, J. I. (Ed.). Montreal, Quebec, Canada: Librarie Wilson & Lafleur.
- Catholic Church. Council of Trent, Session XXV. (2023). Obtenido de <http://www.thecounciloftrent.com/ch25.htm>
- Cuthbert, B., & Kozak, M. (2013). Constructing constructs of psychopathology: The NIMH research domain criteria (RDoC). *Journal of Abnormal Psychology*, 122(3), 928-937. <https://doi.org/10.1037/a0034028>
- dal Covolo, E. (1999, Marzo 17). The encounter of faith and reason in the Fathers of the Church. Vatican City: *L'Osservatore Romano*, 9-10.
- Deely, J. (1997). Quid sit postmodernismus? En R. T. Ciapalo (Ed.), *Postmodernism and Christian Philosophy*. Washington, DC: Catholic University of America Press.
- de Longchamp, M. H. (1997). *Lectures de Jean de la Croix : Essai d'anthropologie mystique*. Paris, France: Beauchesne éditeur.
- Dixon, T. (2003). *From passions to emotions: The creation of a secular psychological category*. Cambridge, U. K.: Cambridge University Press. <https://doi.org/10.1017/CBO9780511490514>
- Doran, R. M. (1990). *Theology and the dialectics of history*. Toronto, Ontario, Canada: University of Toronto Press. <https://doi.org/10.3138/9781442682603>
- Eckstrom, R. R. (1982/1995). *The new concise Catholic dictionary*. Mystic, CT: Twenty-Third Publications.

- Edwards, J. S. (1977). Pathfinding by arthropod sensory nerves. En G. Hoyle (Ed.), *Identified neurons and behavior of arthropods* (pp. 484–493). New York: Plenum.
- Elian, M., Hoerl, C., McCormack, T., & Koesler, J. (Eds.). (2005). *Joint attention: Communication and other minds: Issues in philosophy and psychology*. Oxford, U. K.: Clarendon Press. <https://doi.org/10.1093/acprof:oso/9780199245635.001.0001>
- Fairbairn, W. R. D. (1952a). *An object relations theory of the personality*. New York: Basic Books.
- Fairbairn, W. R. D. (1952b). *Psychoanalytic studies of the personality*. London, U.K.: Routledge & Kegan Paul.
- Feyerabend, P. (1975). *Against method*. New York: New Left Books.
- Fizzotti, E. (2008). *Introduzione alle psicologia della religione*. Milano, Italy: FrancoAngeli.
- Gilson, E. (1919/2002). *Thomism: The philosophy of Thomas Aquinas*. Toronto, Ontario, Canada: Pontifical Institute of Medieval Studies.
- Gilson, E. (1941/2002). *God and philosophy*. New Haven, CT: Yale University Press.
- Hall, C. R., Dixon, W. A., & Mauzey, E. D. (2004). Spirituality and religion: Implications for counselors. *Journal of Counseling & Development*, 82(4), 504–507. <https://doi.org/10.1002/j.1556-6678.2004.tb00339.x>
- Hardon, J. A. (1980). *Modern Catholic dictionary*. New York: Doubleday.
- Harre, R. S., & Secord, P. F. (1972). *The explanation of social behavior*. Oxford, U.K.: Blackwell.
- Hodge, D. R., & McGrew, C. C. (2006). Spirituality, religion, and the interrelationship: A nationally representative study. *Journal of Social Work Education*, 42(3), 637-654. doi: 10.5175/JSWE.2006.200500517. <https://doi.org/10.5175/JSWE.2006.200500517>
- Jewett, P. K., & Shuster, M. (1996). *Who we are: Our dignity as human: A neo-evangelical theology*. Grand Rapids, MI: William B. Eerdmans.
- Johnson, S. (1996/2004). *Creating connection: The practice of emotionally focused marital therapy*. New York: Brunner/Mazel (now Brunner/Routledge).
- Jones, R. H. (2013). *Analysis and the fullness of reality: An introduction to reductionism and emergence*. New York: Jackson Square Books.
- Jones, R. H. (2016). *Philosophy of mysticism: Raids on the ineffable*. Albany: State University of New York Press. <https://doi.org/10.1515/9781438461205>
- Jones, R. M. (1909). *Studies in mystical religion*. London, U.K: Macmillan.
- Kelly, M. (2002/2014). *Rediscover Catholicism: A spiritual guide to living with passion and purpose*. North Palm Beach, FL: Blue Sparrow Books.
- Kenny, A. (1988). *The self: Aquinas lecture*. Milwaukee, WI: Marquette University Press.
- Kristjanson, K. (2014). Phronesis and moral education: Treading beyond the truisms. *Theory and Research in Education*. doi:10.10.1177/147787851453024 4. <https://doi.org/10.1177/1477878514530244>
- Kruger, F. P., & de Klerk, B. J. (2017, Jan.). The mediating influence of liturgy on the way of life: Disposing oppressing powers in oneself and appropriating

- compassion toward the other. *HTS Theological Studies*, 73(1). <https://doi.org/10.4102/hts.v73i2.4517>
- Lambek, M. (2002). *A reader in the anthropology of religion*. Oxford, U.K.: Blackwell.
- Lamm, J. A. (2013). *The Wiley-Blackwell companion to Christian mysticism*. West Sussex, U.K.: John Wiley & Sons. <https://doi.org/10.1002/978118232729>
- MacIntyre, A. (2016). *Ethics in the conflicts of modernity: An essay on desire, practical reasoning, and narrative*. Cambridge, U.K.: Cambridge University Press. <https://doi.org/10.1017/9781316816967>
- Maritain, J. (1946). *The twilight of civilization*. Andesite Press. [https://openlibrary.org/publishers/Andesite Press](https://openlibrary.org/publishers/Andesite%20Press)
- Maritain, J. (1951). *Philosophy of nature*. New York: Philosophical Library Publishing.
- McGinn, B. (2001, Fall). The language of inner experience in Christian mysticism. *Spiritus: A Journal of Christian Spirituality*, 1(2), 56-171. Baltimore, MD: Johns-Hopkins University Press. <https://doi.org/10.1353/scs.2001.0038>
- Melina, L. (2001, primavera). Christ and the dynamism of action: Outlook and overview of Christocentrism in moral theology. *Communio: International Catholic Review*, 28, 112-139.
- Mittlestrass, J. (2011). On transdisciplinarity. *Trames* 4, 329-338. doi.org/10.3176/tr.2011.4.01
- Moodley, R. (2007). (Re)placing multiculturalism in counseling and psychotherapy. *British Journal of Guidance & Counseling*, 35(1), 1-22. doi: 10.1080/03069880601106740. <https://doi.org/10.1080/03069880601106740>
- Morel, G. (1960). *Le sens de l'existence selon Saint Jean de la Croix*. Aubier, Paris : Presses Universitaires de France.
- Muñoz, C. P. D. (2012). En torno a dos lecturas posibles sobre el conocimiento de las esencias en Tomás de Aquino. *Tópicos: Revista de Filosofía* (México), 43: 123– 151. <https://doi.org/10.21555/top.v0i43.34>
- Nédoncelle, M. (1942). *La reciprocité des consciences : Essai sur la nature de la personne*. Paris, France: Aubier.
- Nédoncelle, M. (1946/1966). *Love and the person*. New York: Sheed and Ward.
- Nicolescu, B. (2014, mayo). Methodology of transdisciplinarity. *World Futures: The Journal of General Evolution*, 70(3-4), 186-199. <https://doi.org/10.1080/02604027.2014.934631>
- Pablo VI, Papa. (1963). *Sacrosanctum concilium*. Decree on the Sacred Liturgy. Obtenido de [https://www.vatican.va/archive/hist\\_councils/ii\\_vatican\\_council/documents/vat-ii\\_const\\_19631204\\_sacrosanctum-concilium\\_en.html](https://www.vatican.va/archive/hist_councils/ii_vatican_council/documents/vat-ii_const_19631204_sacrosanctum-concilium_en.html)
- Pablo VI, Papa. (1964). *Orientalium Ecclesiarum*: Decree on the Churches of the Eastern rite. [https://www.vatican.va/archive/hist\\_councils/ii\\_vatican\\_council/documents/vat-ii\\_decree\\_19641121\\_orientalium-ecclesiarum\\_en.html](https://www.vatican.va/archive/hist_councils/ii_vatican_council/documents/vat-ii_decree_19641121_orientalium-ecclesiarum_en.html)
- Pablo VI, Papa. (1965). *Presbyterorum ordinis*. Decree on the life and ministry of priests. Obtenido de Presbyterorum ordinis (vatican.va)
- Pablo VI, Papa. (1971). *Divinae consortium naturae*. Apostolic Constitution on the Sacrament of Confirmation. Obtenido de [https://www.vatican.va/content/paul-vi/la/apost\\_constitutions/documents/hf\\_p-vi\\_apc\\_19710815\\_divina-consortium.html](https://www.vatican.va/content/paul-vi/la/apost_constitutions/documents/hf_p-vi_apc_19710815_divina-consortium.html)

- Pablo VI, Papa. (1974). *Marialis cultus*. Apostolic exhortation for the right ordering and development of devotion to the Blessed Virgin Mary. Obtenido de [https://www.vatican.va/paul-vi/en/apost\\_exhortations/documents/hf\\_p-vi\\_exh\\_19740202\\_marialis-cultus.html](https://www.vatican.va/paul-vi/en/apost_exhortations/documents/hf_p-vi_exh_19740202_marialis-cultus.html)
- Peterson, G. R. (2012). Exemplarism: Some considerations. En *Theology and the science of moral action*. Philadelphia, PA: Routledge.
- Piccinini, G., & Craver, C. (2011). Integrating psychology and neuroscien <https://doi.org/10.1007/s11229-011-9898-4> ce: Functional analyses as mechanism sketches. *Synthese* 183(3), 283-311.
- Pico della Mirandolla, G. (1486/1996). *Oration on the dignity of man*. Southlake, TX: Gateway Publishing.
- Pío IX, Papa. (1870/2023). Dogmatic constitution *Dei filius*. Obtenido de <https://www.vatican.va/content/pius-ix/la/documents/constitutio-dogmatica-dei-filius-24-aprilis-1870.html>
- Pío XII, Papa. Encyclical *Humani generis*. Obtenido de [https://www.vatican.va/content/pius-xii/en/encyclicals/documents/hf\\_pxii\\_enc\\_12081950\\_humani-generis.html](https://www.vatican.va/content/pius-xii/en/encyclicals/documents/hf_pxii_enc_12081950_humani-generis.html)
- Plantinga, A. C. (2000). *Warranted Christian belief*. New York: Oxford University Press. <https://doi.org/10.1093/0195131932.001.0001>
- Rahner, K. (1976/1982). *Foundations of Christian faith: An introduction to the idea of Christianity*. New York: Herder & Herder.
- Rahner, K. (1982). Theology of freedom. En *Theological investigations*. Vol. 6 (pp. 178-196). New York: Crossroad.
- Rubia, F. J. (2009). *La conexión divina: La experiencia mística y la neurobiología*. Barcelona, España: Crítica.
- Sandok, T. H. (1993). *Person and community: Selected essays: Catholic thought from Lublin*. Lausanne, Switzerland: Peter Lang International Academic Publishing.
- Sanguineti, J. J. (2007). *Filosofía de la mente*. Madrid, España: Palabra.
- Sanguineti, J. J. (2014). *Neurociencia y filosofía del hombre*. Madrid, España: Palabra.
- Sanguineti, J. J. (2018). La relevancia de la neurociencia en el estudio de la religiosidad. *Scientia et Fides*, 6, 85-99. <https://doi.org/10.12775/SetF2018.018>
- Shaw, S. M. (1999). *Storytelling in religious education*. Birmingham, AL: Religious Education Press.
- Slatcher, R. B. (2010, Junio). When Harry and Sally met Dick and Jane: Creating closeness between couples. *Personal Relationships*, 17(2), 279-297. <https://doi.org/10.1111/j.1475-6811.2010.01276.x>
- Smith, J. K. A. (2009). *Desiring the kingdom: Worship, worldview, and cultural formation*. Grand Rapids, MI: Baker Academic.
- Solomon, M. F., & Tatkin, S. (2011). *Love and war in intimate relationships: Connection, disconnection, and mutual regulation in couple therapy*. Scranton, PA: W. W. Norton.
- Stuhlmüller, C., Bergant, D., Dumm, D., et al. (Eds.). (1996). *The Collegeville pastoral dictionary of biblical theology*. Collegeville, MN: Liturgical Press.
- United Nations. (1948). *Universal declaration of human rights*. Obtenido de [https://www.un.org/udhr\\_booklet\\_en\\_web](https://www.un.org/udhr_booklet_en_web)

- von Balthasar, H. U. (1990). *The glory of the Lord*. 7 vols. San Francisco, CA: Ignatius Press.
- von Glasserfeld, E. (Ed.). (1991). Editor's introduction. En *Radical constructivism in mathematics education*. Dordrecht, Netherlands: Kluwer.
- von Hildebrand, D. (1953). *Christian ethics*. Philadelphia, PA: David McKay Publishing.
- von Hildebrand, D. (2016). *Liturgy and personality*. New York: Hildebrand Books. Harper Collins.
- Wolfson, H. A. (1956/2022). *Philosophy of the Church Fathers: Vol. 1: Faith, Trinity, Encarnation*. Cambridge, MA: Harvard University Press.
- Wojtyla, K. (1960/1993). *Love and responsibility*. San Francisco, CA: Ignatius Press.
- Wojtyla, K. (1969/1979). *The acting person*. Dordrecht, Netherlands: D. Reidle Publishing.

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