

References

- Abbate, Carolyn. 2018. "Sound Object Lessons." *Journal of the American Musicological Society* 69:793–829.
- Abert, Hermann. 2007. *W. A. Mozart*. Edited by Cliff Eisen. Translated by Stewart Spencer. New Haven, CT: Yale University Press.
- Abu-Asab, Mones, Hakima Amri, and Marc S. Micozzi, trans. 2013. *Avicenna's Medicine: A New Translation of the 11th-Century Canon with Practical Applications for Integrative Health Care*. Rochester, VT: Healing Arts Press.
- Ackerknecht, Erwin Heinz. 1967. *Medicine at the Paris Hospital, 1794–1848*. Baltimore: Johns Hopkins University Press.
- Adamson, Peter. 2006. *Al-Kindī: Life, Works, and Influence*. Oxford: Oxford University Press.
- Adrian, E. D. 1921. "The Recovery Process of Excitable Tissues: Part II." *Journal of Physiology* 55 (3–4): 193–225.
- Adrian, E. D. 1926. "The Impulses Produced by Sensory Nerve Endings. Part I." *Journal of Physiology* 61 (1): 49–72.
- Adrian, E. D. 1928. *The Basis of Sensation: The Action of the Sense Organs*. London: Christophers.
- Adrian, E. D. 1930. "The Mechanism of the Sense Organs." *Physiological Reviews* 10 (2): 336–347.
- Adrian, E. D. 1932. *The Mechanism of Nervous Action: Electrical Studies of the Neurone*. Philadelphia: University of Pennsylvania Press.
- Adrian, E. D. 1941. "Afferent Discharges to the Cerebral Cortex from Peripheral Sense Organs." *Journal of Physiology* 100 (2): 159–191.
- Adrian, E. D. 1942. "Olfactory Reactions in the Brain of the Hedgehog." *Journal of Physiology* 100 (4): 459–473.
- Adrian, E. D. 1947. *The Physical Background of Perception*. Oxford: Clarendon Press.
- Adrian, E. D., and D. W. Bronk. 1928. "The Discharge of Impulses in Motor Nerve Fibres. Part I. Impulses in Single Fibres of the Phrenic Nerve." *Journal of Physiology* 66 (1): 81–101.
- Adrian, E. D., and D. W. Bronk. 1929. "The Discharge of Impulses in Motor Nerve Fibres. Part II. The Frequency of Discharge in Reflex and Voluntary Contractions." *Journal of Physiology* 67 (2): 119–151.
- Adrian, E. D., D. W. Bronk, B. Houssay, E. P. Joslin, W. Penfield, and L. Whitby. 1954. "Memorable Experiences in Research." *Diabetes* 3 (1): 17–27.
- Adrian, E. D., and Alexander Forbes. 1922. "The All-or-Nothing Response of Sensory Nerve Fibres." *Journal of Physiology* 56 (5): 301–330.
- Adrian, E. D., and Keith Lucas. 1912. "On the Summation of Propagated Disturbances in Nerve and Muscle." *Journal of Physiology* 44 (1–2): 68–124.
- Adrian, E. D., and C. Ludwig. 1938. "Nervous Discharges from the Olfactory Organs of Fish." *Journal of Physiology* 94 (3): 441–460.

- Adrian, E. D., and B. H. C. Matthews. 1934a. "The Berger Rhythm: Potential Changes from the Occipital Lobes in Man." *Brain* 57 (4): 355–385.
- Adrian, E. D., and B. H. C. Matthews. 1934b. "The Interpretation of Potential Waves in the Cortex." *Journal of Physiology* 81 (4): 440–471.
- Adrian, E. D., and B. H. C. Matthews. 1934c. "Discoverer of Cortical Rhythm." *British Medical Journal* 2 (3858): 1129.
- Adrian, E. D., and Rachel Matthews. 1927a. "The Action of Light on the Eye. Part I. The Discharge of Impulses in the Optic Nerve and Its Relation to the Electric Changes in the Retina." *Journal of Physiology* 63 (4): 378–414.
- Adrian, E. D., and Rachel Matthews. 1927b. "The Action of Light on the Eye. Part II. The Processes Involved in Retinal Excitation." *Journal of Physiology* 64 (3): 279–301.
- Adrian, E. D., and Rachel Matthews. 1928. "The Action of Light on the Eye. Part III. The Interaction of Retinal Neurones." *Journal of Physiology* 65 (3): 273–298.
- Adrian, E. D., and Karl Umrath. 1929. "The Impulse Discharge from the Pacinian Corpuscle." *Journal of Physiology* 68 (2): 139–154.
- Adrian, E. D., and Yngve Zotterman. 1926. "The Impulses Produced by Sensory Nerve-Endings. Part II. The Response of a Single End-Organ." *Journal of Physiology* 61 (2): 151–171.
- Agrippa von Nettesheim, Heinrich Cornelius. 1992. *De occulta philosophia libri tres*. Edited by V. Perrone Compagni. Leiden: Brill.
- Agrippa von Nettesheim, Heinrich Cornelius. 1993. *Three Books of Occult Philosophy*. Edited by Donald Tyson. Translated by James Freake. St. Paul, MN: Llewellyn.
- Ainslie, Michael. 2010. *Principles of Sonar Performance Modelling*. Berlin: Springer-Verlag.
- Alvarez, Raquel, and C. M. Winston. 1991. "The History of Psychiatry in Spain." *History of Psychiatry* 2:303–313.
- Amiot, Jean Joseph Marie. 1827. "Extraite d'une lettre inédite du Père Amiot, jésuite missionnaire à Péking, adressée à M. Bertin, ministre secrétaire d'État, le 2 octobre 1784, sur le tam-tam et sur la musique chinoise." *Revue musicale*, no. 15:365–369.
- Anonymous. 2018. "Scientists Detect Silent Seizures with Sound." *Chemical Engineering Progress* 114 (5): 9–10.
- Arcuti, Silvana. 2002. *Epifanio Ferdinando e il morso della tarantola: appunti sul tarantismo*. Lecce: Pensa.
- Aristides Quintilianus. 1983. *On Music, in Three Books*. Translated by Thomas J. Mathiesen. New Haven, CT: Yale University Press.
- Aristotle. 1984. *The Complete Works of Aristotle*. Edited by Jonathan Barnes. Princeton, NJ: Princeton University Press.
- Arnaud, Sabine. 2015. *On Hysteria: The Invention of a Medical Category between 1670 and 1820*. Chicago: University of Chicago Press.
- Arsonval, Jacques-Arsène d'. 1878. "Téléphone employé comme galvanoscope." *Comptes rendus hebdomadaires des séances de l'Académie des sciences* 86:832–833.
- Ashbrook, William. 1965. *Donizetti*. London: Cassell.
- Aucante, Vincent. 2006. *La philosophie médicale de Descartes*. Paris: Press Universitaires de France.
- Auenbrugger, Leopold. 1808. *Nouvelle méthode pour reconnaître les maladies internes de la poitrine par la percussion de cette cavité*. Translated by Jean Nicolas Corvisart des Marets. Paris: Chez Méquignon-Marvis.
- Augustinus, Aurelius. 2002. *De musica liber VI*. Translated by Martin Jacobsson. Stockholm: Almqvist & Wiksell International.
- Ausécache, Mireille. 1998. "Gilles de Corbeil ou le médecin pédagogue au tournant des XIIe et XIIIe siècles." *Early Science and Medicine* 3:187–214.
- Babinski, Joseph. 1901. "Définition de l'hystérie." *Revue neurologique* 9:1074–1080.
- Baert, Barbara. 2016. *Kairos or Occasion as Paradigm in the Visual Medium: "Nachleben," Iconography, Hermeneutics*. Louvain: Peeters.

- Baglivi, Giorgio. 1696. *De praxi medica ad priscam observandi rationem revocanda*. Rome: Dominici Antonii Herculis.
- Baglivi, Giorgio. 1723. *The Practice of Physick*. London: D. Midwinter.
- Baldwin, Martha. 2001. "Matters Medical." In *The Great Art of Knowing: The Baroque Encyclopedia of Athanasius Kircher*, edited by Daniel Stolzenberg, 85–92. Stanford, CA: Stanford University Libraries.
- Barker, Andrew. 2004. *Greek Musical Writings*. Cambridge: Cambridge University Press.
- Bass, Richard. 2001. "Half-Diminished Functions and Transformations in Late Romantic Music." *Music Theory Spectrum* 23:41–60.
- Baur, Ludwig. 1912. *Die Philosophischen Werke des Robert Grosseteste, Bischofs von Lincoln*. Münster: Aschendorff.
- Belgray, Alice Bunzl. 1970. "Gaetano Brunetti: An Exploratory Bio-Bibliographical Study." PhD diss., University of Michigan.
- Bell, Charles. 1833. *The Nervous System of the Human Body; Embracing the Papers Delivered to the Royal Society on the Subject of the Nerves*. Washington, DC: Stereotyped by D. Green, for the Register and Library of Medicine and Chirurgical Science.
- Belrose, J. S. 2002. "Reginald Aubrey Fessenden and the Birth of Wireless Telephony." *IEEE Antennas and Propagation Magazine* 44 (2): 38–47.
- Benazzouz, Abdelhamid, Sorin Breit, Adrian Koudsie, Pierre Pollak, Paul Krack, and Alim-Louis Benabid, 2002. "Intraoperative Microrecordings of the Subthalamic Nucleus in Parkinson's Disease." *Movement Disorders* 17 Suppl. 3:S145–S149.
- Berg, Alexander. 1942. "Die Lehre von der Faser als Form- und Funktionselement des Organismus." *Virchows Archiv für pathologische Anatomie und Physiologie und für klinische Medizin* 309 (2): 333–460.
- Berlioz. 2002. *Berlioz's Orchestration Treatise: A Translation and Commentary*. Edited by Hugh Macdonald. Cambridge: Cambridge University Press.
- Bernays, Jacob. 1880. *Zwei Abhandlungen über die aristotelische Theorie des Drama*. Berlin: W. Hertz.
- Bernstein, Julius. 1878. "Ueber Erzeugung von Tetanus und die Anwendung des akustischen Stromunterbrechers." *Archiv für die gesammte Physiologie des Menschen und der Thiere* 17:121–124.
- Bernstein, Julius. 1881. "Telephonische Wahrnehmung der Schwankungen des Muskelstromes bei der Contraction." *Bericht ueber die Sitzungen der Naturforschenden Gesellschaft zu Halle*, 18–27.
- Bernstein, Julius. 1894. *Lehrbuch der Physiologie des thierischen Organismus, im speciellen des Menschen*. Stuttgart: Enke.
- Berrios, G. E. 1996. *The History of Mental Symptoms: Descriptive Psychopathology since the Nineteenth Century*. Cambridge: Cambridge University Press.
- Bijsterveld, Karin. 2019. *Sonic Skills: Listening for Knowledge in Science, Medicine and Engineering (1920s–Present)*. London: Palgrave Macmillan.
- Binet, Alfred, and Charles Féré. 1888. *Animal Magnetism*. New York: D. Appleton.
- Bingen, Hildegard of. 1987. *Hildegard of Bingen's Book of Divine Works: With Letters and Songs*. Edited by Matthew Fox. Santa Fe, NM: Bear & Company.
- Bingen, Hildegard of. 1990. *Scivias*. Translated by Mother Columba Hart and Jane Bishop. New York: Paulist Press.
- Bingen, Hildegard of. 1994. *Holistic Healing*. Translated by Patrick Madigan and Manfred Pawlik. Collegeville, MN: Liturgical Press.
- Bingen, Hildegard of. 1999. *Hildegard of Bingen: On Natural Philosophy and Medicine*. Translated by Margret Berger. Cambridge: D. S. Brewer.
- Blades, James. 1992. *Percussion Instruments and Their History*. Westport, CT: Bold Strummer.
- Blades, James, and Edmund A. Bowles. N.d. "Timpani." *Grove Music Online*.
- Boethius, Anicius Manlius Severinus. 1867. *Anicii Manlii Torquati Severini Boetii de Institutione arithmetica libri duo, De institutione musica libri quinque*. Edited by Gottfried Friedlein. Leipzig: Teubner.

- Boethius, Anicius Manlius Severinus. 1989. *Fundamentals of Music*. Edited by Claude V. Palisca. Translated by Calvin M. Bower. New Haven, CT: Yale University Press.
- Bogousslavsky, Julien. 2011. *Following Charcot: A Forgotten History of Neurology and Psychiatry*. Basel: Karger.
- Bois-Reymond, Emil du. 1875. *Gesammelte Abhandlungen zur allgemeinen Muskel- und Nervenphysik*. Leipzig: Veit.
- Bois-Reymond, Emil du. 1877. "Versuche am Telphon." *Archiv für Physiologie*, 573–576.
- Boner, Patrick. 2013. *Kepler's Cosmological Synthesis: Astrology, Mechanism and the Soul*. Leiden: Brill.
- Bonge, Dale. 1982. "Gaffurius on Pulse and Tempo: A Reinterpretation." *Musica Disciplina* 36:167–174.
- Bonnet, Charles. 1755. *Essai de psychologie: ou, Considérations sur les opérations de l'âme, sur l'habitude et sur l'éducation*. London.
- Bonnet, Charles. 1770. *La palingénésie philosophique, ou, Idées sur l'état passé et sur l'état futur des êtres vivans*. Geneva: Jean-Marie Bruyset.
- Bonuzzi, Luciano. 2007. "Mozart e Mesmer: Da 'Bastiano e Bastiana' a 'Cosi fan tutte.'" In *Sig.r Amadeo Wolfgang Mozarte: da Verona con Mozart: personaggi, luoghi, accadimenti*, edited by Giuseppe Ferrari and Mario Ruffini, 45–58. Venice: Marsilio.
- Bordeu, Théophile de. 1756. *Recherches sur le pouls, par rapport aux crises*. Paris: De Bure l'aîné.
- Bordeu, Théophile de. 1818. *Oeuvres complètes de Bordeu*. Edited by Anthelme Richerand. Paris: Caille et Ravier.
- Borelli, Giovanni Alfonso. 1989. *On the Movement of Animals*. Translated by Paul Maquet. Berlin: Springer-Verlag.
- Borelli, Giovanni Alfonso. 2015. *Borelli's On the Movement of Animals—On the Force of Percussion*. Translated by Paul Maquet. Cham, Switzerland: Springer.
- Borgstrom, Henrik. 2000. "Strike a Pose: Charcot's Women and the Performance of Hysteria at La Salpêtrière." *Theatre Annual* 53:1–14.
- Bourneville, Désiré-Magloire, and Paul Régnard. 1879. *Nouvelle Iconographie de La Salpêtrière*. Paris: Aux Bureaux du progrès médical.
- Braid, James. 1899. *Braid on Hypnotism: Neurypnology; Or, The Rationale of Nervous Sleep Considered in Relation to Animal Magnetism Or Mesmerism and Illustrated by Numerous Cases of Its Successful Application in the Relief and Cure of Disease*. Edited by Arthur Edward Waite. London: G. Redway.
- Brain, Robert M. 2015. *The Pulse of Modernism: Physiological Aesthetics in Fin-de-Siècle Europe*. Seattle: University of Washington Press.
- Brain, Robert M., R. S. Cohen, and Ole Knudsen, eds. 2007. *Hans Christian Ørsted and the Romantic Legacy in Science: Ideas, Disciplines, Practices*. Dordrecht: Springer.
- Brain, Robert M., and M. Norton Wise. 1994. "Muscles and Engines: Indicator Diagrams and Helmholtz's Graphical Methods." In *Universalgene Helmholtz: Rückblick nach 100 Jahren*, edited by Lorentz Krüger, 124–148. Berlin: Akademie Verlag.
- Brannen, George E., and William H. Bush. 1984. "Ultrasonic Destruction of Kidney Stones." *Western Journal of Medicine* 140: 227–232.
- Brechka, Frank T. 1970. *Gerard Van Swieten and His World, 1700–1772*. The Hague: M. Nijhoff.
- Brittan, Francesca. 2006. "Berlioz and the Pathological Fantastic: Melancholy, Monomania, and Romantic Autobiography." *19th-Century Music* 29:211–239.
- Brittan, Francesca. 2011. "On Microscopic Hearing: Fairy Magic, Natural Science, and the Scherzo Fantastique." *Journal of the American Musicological Society* 64:527–600.
- Brittan, Francesca. 2017. *Music and Fantasy in the Age of Berlioz*. Cambridge: Cambridge University Press.
- Brittan, Francesca. 2019. "The Electrician, the Magician, and the Nervous Conductor." *Nineteenth-Century Music Review*. <https://doi.org/10.1017/S1479409820000099>.
- Brookhart, J. M., G. Moruzzi, and R. S. Snider. 1950. "Spike Discharges of Single Units in the Cerebellar Cortex." *Journal of Neurophysiology* 13 (6): 465–486.

- Brunetti, Gaetano. 1960. *Il "maniático": Sinfonia no. 33 [e] Sinfonia in sol min., no. 22*. Edited by Newell Jenkins. Rome: L. del Turco.
- Bruyninckx, Joeri. 2018. *Listening in the Field: Recording and the Science of Birdsong*. Cambridge, MA: MIT Press.
- Buranelli, Vincent. 1975. *The Wizard from Vienna: Franz Anton Mesmer*. New York: Coward, McCann.
- Burkert, Walter. 1972. *Lore and Science in Ancient Pythagoreanism*. Cambridge, MA: Harvard University Press.
- Burnett, Charles. 2018. "Harmonic and Acoustic Theory: Latin and Arabic Ideas of Sympathetic Vibration as the Causes of Effects between Heaven and Earth." In *Sing Aloud Harmonious Spheres: Renaissance Conceptions of Cosmic Harmony*, edited by Jacomien Prins and Maude Vanhaelen, 32–43. New York: Routledge.
- Burton, Robert. 1989. *The Anatomy of Melancholy*. Edited by Thomas C. Faulkner, Nicolas K. Kiessling, Rhonda L. Blair, J. B. Bamborough, and Martin Dodsworth. Oxford: Clarendon Press.
- Cabot, Richard C. 1923. "A Multiple Electrical Stethoscope for Teaching Purposes: Preliminary Note." *Journal of the American Medical Association* 81 (4): 298–299.
- Cadenbach, Ranier. 2007. "Einige apologetische Erwägungen zur musikgeschichtlichen Relevanz von Athanasius Kirchers Phantasien zur Musiktherapie." In *Ars magna musices: Athanasius Kircher und die Universalität der Musik*, edited by Markus Engelhardt and Michael Heinemann, 227–252. Laaber: Laaber-Verlag.
- Cahan, David. 2018. *Helmholtz: A Life in Science*. Chicago: University of Chicago Press.
- Callahan, Christopher. 2000. "Music in Medieval Medical Practice: Speculations and Certainties." *College Music Symposium* 40:151–164.
- Caminiotzki, Carlos Ziller. 2004. "Baroque Science between the Old and the New World: Father Kircher and His Colleague Valentin Stansel (1621–1705)." In *Athanasius Kircher: The Last Man Who Knew Everything*, edited by Paula Findlen, 311–328. New York: Routledge.
- Canales, Jimena. 2009. *A Tenth of a Second: A History*. Chicago: University of Chicago Press.
- Cannon, Sue Spencer. 1993. *The Medicine of Hildegard of Bingen: Her Twelfth-Century Theories and Their Twentieth-Century Appeal as a Form of Alternative Medicine*. Los Angeles: University of California, Los Angeles.
- Capparoni, P. 1936. *Il "Tractatus de pulsibus" di Alfano lo arcivescovo di Salerno*. Rome: Istituto nazionale medico farmacologico Sersono.
- Cardwell, Douglas. 1983. "The Well-Made Play of Eugène Scribe." *French Review* 56:876–884.
- Caspar, Max. 1993. *Kepler*. Translated by Clarisse Doris Hellman. New York: Dover.
- Catchpole, Clive. 2008. *Bird Song: Biological Themes and Variations*. 2nd ed. Cambridge: Cambridge University Press.
- Cejador y Frauca, Julio, ed. 1905. *La lengua de Cervantes, gramática y diccionario de la lengua castellana en el ingenioso hidalgo Don Quijote de La Mancha*. Madrid: Ratés.
- Cervantes, Miguel de. 1979. *El ingenioso hidalgo Don Quijote de la Mancha*. 19th ed. Edited by Américo Castro. Mexico City: Editorial Porrúa.
- Chafe, Christopher D., and Josef Parvizi. 2013a. Method of Sonifying Brain Electrical Activity. US Patent 2013324878 (A1), issued 2013.
- Chafe, Christopher D., and Josef Parvizi. 2013b. Method of Sonifying Brain Electrical Activity. US Patent 10136862 (B2), issued 2013.
- Chafe, Christopher D., and Josef Parvizi. 2014. Method of Sonifying Signals Obtained from a Living Subject. US Patent 2015150520 (A1), issued 2014.
- Chamberlain, David. 1980. "Musical Learning and Dramatic Action in Hrotsvit's 'Pafnutius.'" *Studies in Philology* 77:319–343.
- Charcot, Jean-Martin. 1882. "Sur les divers états nerveux déterminés par l'hypnotisation des hystériques." *Comptes rendus hebdomadaires des séances de l'Académie des sciences* 94:403–405.
- Charcot, Jean-Martin. 1890. *Leçons sur les maladies du système nerveux*. Paris: Aux Bureaux du Progrès Médical.

- Chateaubriand, François-René. 1932. *Les Natchez*. Edited by Gilbert Chinard. Baltimore, MD: Johns Hopkins University Press.
- Chateaubriand, François-René. 1981. *Mémoires d'outre-tombe*. Edited by Georges Moulinier. Paris: Gallimard.
- Cheung, Tobias. 2010. "Omnis Fibra Ex Fibra: Fibre OEconomics in Bonnet's and Diderot's Models of Organic Order." *Early Science and Medicine* 15 (1–2): 66–104.
- Choulant, Ludwig, ed. 1826. *Aegidii Corboliensis carmina medica*. Leipzig: Leopold Voss.
- Chowning, John M. 1977. "The Synthesis of Complex Audio Spectra by Means of Frequency Modulation." *Computer Music Journal* 1 (2): 46–54.
- Chowning, John. 2008. "Fifty Years of Computer Music: Ideas of the Past Speak to the Future." In *Lecture Notes in Computer Science*, vol. 4969, 1–10. Berlin: Springer-Verlag. https://doi.org/10.1007/978-3-540-85035-9_1.
- Christensen, Thomas. 1993. *Rameau and Musical Thought in the Enlightenment*. Cambridge: Cambridge University Press.
- Christensen, Thomas. 1994. "Diderot, Rameau and Resonating Strings: New Evidence of an Early Collaboration." *Studies on Voltaire and the Eighteenth Century* 323:131.
- Christianson, John Robert. 2002. *On Tycho's Island: Tycho Brahe, Science, and Culture in the Sixteenth Century*, abridged ed. Cambridge: Cambridge University Press.
- Chua, Daniel K. L., and Alexander Rehding. 2021. *Alien Listening: Voyager's Golden Record and Music from Earth*. New York: Zone Books.
- Chung, Minna Rose. 2018. "Tartini Tones: How to Use 'Difference Tones' to Perfect Your Intonation." *Strad* 129 (1536): 84–86.
- Claretie, Jules. 1881. *La vie à Paris: 1880–1885. Année 2*. Paris: V. Havard.
- Clements, Matthew. 2011. "Uexküll's Ecology: Biosemiotics and the Musical Imaginary." *Green Letters* 15 (1): 43–60.
- Cooper, Martin. 1951. *French Music, from the Death of Berlioz to the Death of Fauré*. London: Oxford University Press.
- Cooper, Sybil, and E. D. Adrian. 1924. "The Maximum Frequency of Reflex Response in the Spinal Cat." *Journal of Physiology* 59 (1): 61–81.
- Corvisart des Marets, Jean Nicolas. 1812. *An Essay on the Organic Diseases and Lesions of the Heart and Great Vessels*. Translated by Carleton B. Chapman. Boston: Bradford & Read.
- Costa, Nathalie Dos Santos. 2008. "François-Nicolas Marquet: sa vie, ses oeuvres et ses démêlés tardifs avec le Collège Royal de Médecine de Nancy." MD diss., Université Henri Poincaré, Nancy.
- Coxe, William. 1813. *Memoirs of the Kings of Spain of the House of Bourbon, from the Accession of Philip V to the Death of Charles III: 1700 to 1788*, vol. 3. London: Longman, Hurst, Rees, Orme and Brown.
- Crabtree, Adam, and Robert H. Wozniak. 1988. *Animal Magnetism, Early Hypnotism, and Psychical Research, 1766–1925: An Annotated Bibliography*. White Plains, NY: Kraus International Publications.
- Crary, Jonathan. 1992. *Techniques of the Observer: On Vision and Modernity in the 19th Century*. Cambridge, MA: MIT Press.
- Crisp, Kevin M. 2018. "Recording EMG Signals on a Computer Sound Card." *Journal of Undergraduate Neuroscience Education* 16:A210–A216.
- Crombie, A. C. 1971. *Robert Grosseteste and the Origins of Experimental Science, 1100–1700*. Oxford: Clarendon Press.
- Crombie, A. C. 1995. *The History of Science from Augustine to Galileo*. New York: Dover.
- Croone, William. 2000. "On the Reason of the Movement of the Muscles." Edited by Margaret Nayler and August Ziggelaar. Translated by Paul Maquet. *Transactions of the American Philosophical Society* 90:1–130.
- Daan, Serge. 2010. "A History of Chronobiological Concepts." In *The Circadian Clock*, edited by Albrecht Urs, 1–35. New York: Springer.
- Daboo, Jerri. 2010. *Ritual, Rapture, and Remorse: A Study of Tarantism and Pizzica in Salento*. Oxford: Peter Lang.

- Dalma, Juan. 1963. "La catarsis en Aristoteles, Bernays y Freud." *Revista de psiquiatría y psicología medical* 6:253–269.
- Darnton, Robert. 1968. *Mesmerism and the End of the Enlightenment in France*. Cambridge, MA: Harvard University Press.
- Darrigol, Olivier. 2007. "The Acoustic Origins of Harmonic Analysis." *Archive for History of Exact Sciences* 61:343–424.
- Daston, Lorraine, and Peter Galison. 2007. *Objectivity*. Brooklyn: Zone Books.
- Darwin, Erasmus. 1796. *Zoonomia; or, The Laws of Organic Life*. New York: T. & J. Swords.
- Davies, J. Q., and Ellen Lockhart, eds. 2016. *Sound Knowledge: Music and Science in London, 1789–1851*. Chicago: University of Chicago Press.
- Davis, Lennard J. 2008. *Obsession: A History*. Chicago: University of Chicago Press.
- Davis, Lennard J. 2017. *The Disability Studies Reader*. 5th ed. New York: Routledge.
- De Martino, Ernesto. 2005. *The Land of Remorse: A Study of Southern Italian Tarantism*. London: Free Association Books.
- Debru, Claude. 2001. "Helmholtz and the Psychophysiology of Time." *Science in Context* 14:471–492.
- D'Eslon, Charles. 1780. *Observations sur le magnétisme animal*. Paris: Didot.
- Devlin, J. P. 2018. *From Analogue to Digital Radio: Competition and Cooperation in the UK Radio Industry*. London: Palgrave Macmillan.
- Devoto, Mark. 1995. "The Strategic Half-Diminished Seventh Chord and the Emblematic Tristan Chord: A Survey from Beethoven to Berg." *International Journal of Musicology* 4:139–153.
- Diderot, Denis. 1875. *Œuvres complètes de Diderot*. Edited by J. Assézat and M. Tourneux. Paris: Garnier.
- Diderot, Denis. 1964. *Rameau's Nephew, and Other Works*. Translated by Jacques Barzun and Ralph H. Bowen. New York: Bobbs-Merrill.
- Didi-Huberman, Georges. 2003. *Invention of Hysteria: Charcot and the Photographic Iconography of the Salpêtrière*. Cambridge, MA: MIT Press.
- Dijkgraaf, Sven. 1960. "Spallanzani's Unpublished Experiments on the Sensory Basis of Object Perception in Bats." *Isis* 51 (1): 9–20.
- Divitiis, Enrico de, Paolo Cappabianca, and Oreste de Divitiis. 2004. "The 'Schola Medica Salernitana': The Forerunner of the Modern University Medical Schools." *Neurosurgery* 55:722–745.
- Dock, George. 1935. "Roziere de La Chassagne and the Early History of Percussion of the Thorax." *Annals of Medical History* 7:438–450.
- Dolan, Emily I. 2013. *The Orchestral Revolution: Haydn and the Technologies of Timbre*. Cambridge: Cambridge University Press.
- Dombois, Florian. 2006. "The 'Muscle Telephone': The Undiscovered Start of Audification in the 1870s, in Sounds of Science—Schall im Labor (1800–1930)." Preprint 346. Max Planck Institute for the History of Science. <https://www.mpiwg-berlin.mpg.de/sites/default/files/Preprints/P346.pdf>.
- Donald, Ian. 1974. "Sonar—The Story of an Experiment." *Ultrasound in Medicine and Biology* 1 (2): 109–117.
- Donald, I., J. MacVicar, and T. G. Brown. 1958. "Investigation of Abdominal Masses by Pulsed Ultrasound." *Lancet* 1 (7032): 1188–1195.
- Donizetti, Gaetano. 1941. *Lucia Di Lammermoor*. Facsimile ed. of the autograph score. Milan: E. Bestetti.
- Dubus, Gaël, and Roberto Bresin. 2013. "A Systematic Review of Mapping Strategies for the Sonification of Physical Quantities." *PLoS ONE* 9 (12): e82491.
- Duchesneau, François. 1982. *La physiologie des lumières: empirisme, modèles et théories*. The Hague: M. Nijhoff.
- Duffin, Jacalyn M. 1989. "The Cardiology of R. T. H. Laennec." *Medical History*, 42–71.
- Duffin, Jacalyn. 1998. *To See with a Better Eye: A Life of R. T. H. Laennec*. Princeton, NJ: Princeton University Press.

- Duffin, Jacalyn. 2006. "Jodocus Lommius's Little Golden Book and the History of Diagnostic Semeiology." *Journal of the History of Medicine and Allied Sciences* 61:249–287.
- Durán, Manuel. 2006. *Fighting Windmills: Encounters with Don Quixote*. New Haven, CT: Yale University Press.
- Duverney, Joseph-Guichard. 1683. *Traité de l'organe de l'ouïe: contenant la structure, les usages & les maladies de toutes les parties de l'oreille*. Paris: chez Estienne Michallet.
- Duverney, M. (Guichard Joseph). 1737. *A Treatise of the Organ of Hearing*. London: Samuel Baker.
- Eadie, M. J. 2003a. "A Pathology of the Animal Spirits—the Clinical Neurology of Thomas Willis (1621–1675). Part I—Background, and Disorders of Intrinsically Normal Animal Spirits." *Journal of Clinical Neuroscience* 10:14–29.
- Eadie, M. J. 2003b. "A Pathology of the Animal Spirits—the Clinical Neurology of Thomas Willis (1621–1675). Part II—Disorders of Intrinsically Abnormal Animal Spirits." *Journal of Clinical Neuroscience* 10:146–157.
- Earp, Lawrence. 2018. "Notation II." In *The Cambridge History of Medieval Music*, edited by Mark Everist and Thomas Forrest Kelly, 674–717. Cambridge: Cambridge University Press.
- Edelstein, Ludwig. 1967. *Ancient Medicine: Selected Papers of Ludwig Edelstein*, edited by Owsei Temkin and C. Lillian Temkin, translated by C. Lillian Temkin. Baltimore, MD: Johns Hopkins Press.
- Eichberg, Stephanie. 2009. "Constituting the Human via the Animal in Eighteenth-Century Experimental Neurophysiology: Albrecht von Haller's Sensibility Trials." *Medizinhistorisches Journal* 44:274–295.
- Eliot, T. S. 1962. *The Complete Poems and Plays 1909–1950*. New York: Harcourt.
- Ellenberger, Henri F. 1970. *The Discovery of the Unconscious: The History and Evolution of Dynamic Psychiatry*. New York: Basic Books.
- Emch-Deriaz, Antoinette. 2001. "De l'importance de tater le pouls." *Canadian Bulletin of Medical History* 18:369–380.
- Erlanger, Joseph, and Herbert S. Gasser. 1937. *Electrical Signs of Nervous Activity*. Philadelphia: University of Pennsylvania Press.
- Erlmann, Veit. 2010. *Reason and Resonance: A History of Modern Aurality*. New York: Zone Books.
- Erman, Paul. 1812. "Einige Bemerkungen über Muskular-Contraction." *Annalen der Physik* 40:1–30.
- Escobar, Jorge M. 2008. "Kepler's Theory of the Soul: A Study on Epistemology." *Studies in History and Philosophy of Science* 39:15–41.
- Esquirol, Étienne. 1838. *Des maladies mentales: considérées sous les rapports médical, hygiénique et médico-legal*. Paris: J. B. Baillière.
- Fage, Adrien de la. 1844. *Histoire générale de la musique et de la danse*. Paris: Comptoir des Imprimeurs Unis.
- Falconer, W. 1796. *Observations Respecting the Pulse; Intended to Point out with Greater Certainty, the Indications Which It Signifies; Especially in Feverish Complaints*. London.
- Fantini, Bernardino. 2013. "Forms of Thought between Music and Science." In *The Emotional Power of Music*, edited by Tom Cochrane and Bernardino Fantini, 257–270. Oxford: Oxford University Press.
- Farndell, Arthur, trans. 2010. *All Things Natural: Ficino on Plato's Timaeus*. London: Shephard-Walwyn.
- Fassler, Margot. 1998. "Composer and Dramatist: 'Melodious Singing and the Freshness of Remorse.'" In *Voice of the Living Light: Hildegard of Bingen and Her World*, edited by Barbara Newman, 149–175. Berkeley: University of California Press.
- Feld, Steven. 2003. "A Rainforest Acoustemology." In *The Auditory Culture Reader*, edited by Micahel Bull and Les Black, 223–239. Oxford: Berg.
- Ferdinandus, Epiphanius. 1621. *Centum Historiae seu observationes, & casus medici*. Venice: Ballionus.
- Fernel, Jean. 1567. *Universa medicina*. Paris: Andreas Wechel.
- Fernel, Jean. 2003. *The Physiologia of Jean Fernel (1567)*. Translated by J. M. Forrester. Philadelphia: American Philosophical Society.
- Fessenden, Reginald A. 1902. Wireless signaling. US Patent 706740A, filed September 28, 1901, and issued August 12, 1902.

- Ficino, Marsilio. 1989. *Three Books on Life*. Translated by Carol V. Kaske and John R. Clark. Binghamton, NY: Medieval & Renaissance Texts & Studies.
- Findlen, Paula, ed. 2004a. *Athanasius Kircher: The Last Man Who Knew Everything*. New York: Routledge.
- Findlen, Paula. 2004b. "The Last Man Who Knew Everything . . . or Did He?" In *Athanasius Kircher: The Last Man Who Knew Everything*, edited by Paula Findlen, 1–48. New York: Routledge.
- Findlen, Paula. 2013. "Laura Bassi and the City of Learning." *Physics World* 26 (9): 30–34.
- Finger, Stanley. 1994. *Origins of Neuroscience: A History of Explorations into Brain Function*. New York: Oxford University Press.
- Finger, Stanley. 2000. *Minds behind the Brain: A History of the Pioneers and Their Discoveries*. Oxford: Oxford University Press.
- Finger, Stanley, and Marco Piccolino. 2011. *The Shocking History of Electric Fishes: From Ancient Epochs to the Birth of Modern Neurophysiology*. Oxford: Oxford University Press.
- Finger, Stanley, and William Zeitler. 2015. "Pathological Connections: Benjamin Franklin and His Glass Armonica: From Music as Therapeutic to Pathological." In *Music, Neurology, and Neuroscience: Historical Connections and Perspectives*, edited by Eckart Altenmüller, Stanley Finger, and François Boller, 98–125. Amsterdam: Elsevier.
- Finkelstein, Gabriel. 2003. "M. Du Bois-Reymond Goes to Paris." *British Journal for the History of Science* 36 (3): 261–300.
- Finkelstein, Gabriel. 2015. "Mechanical Neuroscience: Emil Du Bois-Reymond's Innovations in Theory and Practice." *Frontiers in Systems Neuroscience* 9 (133).
- Floyer, Sir John. 1707. *The Physician's Pulse-Watch*. London: Samuel Smith & Benj. Walford.
- Forbes, A., C. J. Campbell, and H. B. Williams. 1924. "Electrical Records of Afferent Nerve Impulses from Muscular Receptors." *American Journal of Physiology* 69 (2): 283–303.
- Forbes, Alexander, and Catharine Thacher. 1920. "Amplification of Action Currents with the Electron Tube in Recording with the String Galvanometer." *American Journal of Physiology* 52 (3): 409–471.
- Forster, E. M. 2014. *Alexandria: A History and Guide*. London: Tauris Parke Paperbacks.
- Foucault, Michel. 1972. *Naissance de la clinique: une archéologie du regard médical*, 2nd ed. Paris: Presses Universitaires de France.
- Foucault, Michel. 1994. *The Birth of the Clinic: An Archaeology of Medical Perception*. New York: Vintage.
- Frank. 1994. "Instruments, Nerve Action, and the All-or-None Principle." *Osiris* 9:208–235.
- Franklin, Benjamin. 1785. *Report of Dr. Benjamin Franklin: And Other Commissioners Charged by the King of France, with the Examination of the Animal Magnetism, as now Practised at Paris*. London: J. Johnson.
- Franklin, Benjamin. 1959. *The Papers of Benjamin Franklin*. Edited by Leonard W. Labaree. New Haven, CT: Yale University Press.
- Freud, Sigmund. 1963. "The Moses of Michelangelo (1914)." In *Character and Culture*, 80–106. New York: Scribner.
- Freud, Sigmund. 1966. "An Autobiographical Study (1914)." In *The Standard Edition of the Complete Psychological Works of Sigmund Freud*, translated by James Strachey, 20:7–74. London: Hogarth Press.
- Fürst, Marion. 2005. *Maria Theresia Paradis: Mozarts berühmte Zeitgenossin*. Cologne: Böhlau.
- Gaffurius, Franchinus. 1969. *The Practica Musicae of Franchinus Gafurius*. Translated by Irwin Young. Madison: University of Wisconsin Press.
- Galambos, Robert. 1941. "The Production and Reception of Supersonic Sounds by Flying Bats." PhD diss., Harvard University.
- Galen. 2014. *On the Natural Faculties*. Translated by Arthur John Brock. Cambridge, MA: Harvard University Press.
- Garrison, Daniel H. N.d. "The Name 'Fabrica' | Vesalius." Accessed August 27, 2019, at <http://www.vesalius-fabrica.com/en/original-fabrica/inside-the-fabrica/the-name-fabrica.html>.
- Garson, Justin. 2003. "The Introduction of Information into Neurobiology." *Philosophy of Science* 70 (5): 926–936.

- Garson, Justin. 2015. "The Birth of Information in the Brain: Edgar Adrian and the Vacuum Tube." *Science in Context* 28 (1): 31–52.
- Garten, Siegfried. 1910. "Ein Beitrag zur Kenntnis der positiven Nachschwankung des Nervenstromes nach elektrischer Reizung." *Pflüger's Archiv für die gesamte Physiologie des Menschen und der Tiere* 136 (1): 545–563.
- Gasser, H. S., and Joseph Erlanger. 1922. "A Study of the Action Currents of Nerve with the Cathode Ray Oscillograph." *American Journal of Physiology* 62 (3): 496–524.
- Gaukroger, Stephen. 1995. *Descartes: An Intellectual Biography*. Oxford: Clarendon Press.
- Gaukroger, Stephen. 2002. *Descartes' System of Natural Philosophy*. Cambridge: Cambridge University Press.
- Gauld, Alan. 1992. *A History of Hypnotism*. Cambridge: Cambridge University Press.
- Gensini, Gian Franco, and Andrea A. Conti. 2004. "The Evolution of the Concept of 'Fever' in the History of Medicine: From Pathological Picture per se to Clinical Epiphenomenon (and Vice Versa)." *Journal of Infection* 49 (2): 85–87.
- Georgallas, Virginia. 2016. "The Maniac's Affliction: Music, Madness, and Caprice in Late Eighteenth-Century Spain." Unpublished conference presentation, American Musicological Society, Vancouver, BC.
- Gérard, Yves. 1969. *Thematic, Bibliographical, and Critical Catalogue of the Works of Luigi Boccherini*. London: Oxford University Press.
- Gibbs, D. D. 1971. "The Physician's Pulse Watch." *Medical History* 15:187–190.
- Gibbs, Denis. 1994. "The Almshouses of Lichfield: Cradles of Pulse-Timing." *Journal of Medical Biography* 2 (2): 89–93.
- Gibbs, Frederic A., and Erna L. Gibbs, eds. 1951. *Atlas of Electroencephalography*. Reading, MA: Addison-Wesley.
- Glaze, Florence Eliza. 1998. "Medical Writer: 'Behold the Human Creature.'" In *Voice of the Living Light: Hildegard of Bingen and Her World*, edited by Barbara Newman, 125–148. Berkeley: University of California Press.
- Glickman, Sylvia. N.d. "Auenbrugger, Marianna von." *Grove Music Online*.
- Glisson, Francis. 1677. *Tractatus de ventriculo et intestinis*. Amsterdam: Jacobum Juniorem.
- Godwin, Joscelyn, ed. 1988. *Music, Mysticism and Magic: A Sourcebook*. London: Arkana.
- Godwin, Joscelyn, ed. 1993. *The Harmony of the Spheres: A Sourcebook of the Pythagorean Tradition in Music*. Rochester, VT: Inner Traditions International.
- Gold, T. 1948. "Hearing. II. The Physical Basis of the Action of the Cochlea." *Proceedings of the Royal Society of London. Series B, Biological Sciences (1934–1990)* 135 (881): 492–498.
- Gold, Thomas. 2012. *Taking the Back off the Watch: A Personal Memoir*. Edited by Simon Mitton. Berlin: Springer-Verlag.
- Goldstein, Jan. 2001. *Console and Classify: The French Psychiatric Profession in the Nineteenth Century*. Chicago: University of Chicago Press.
- Gómez, Javier González-Velandia. 2013. "Sinfonía de la vida: Aspectos musicales en la obra de Jakob von Uexküll." *Eikasias*, no. 51:237–258.
- Gordon, E. S., and J. M. Lagerwerff. 1976. "Electronic Stethoscope with Frequency Shaping and Infrasonic Recording Capabilities." *Aviation, Space, and Environmental Medicine* 47 (3): 312–316.
- Gossett, Philip. 2006. *Divas and Scholars: Performing Italian Opera*. Chicago: University of Chicago Press.
- Gotch, Francis, and Victor Horsley. 1888. "Observations upon the Electromotive Changes in the Mammalian Spinal Cord following Electrical Excitation of the Cortex Cerebri. Preliminary Notice." *Proceedings of the Royal Society of London* 45:18–26.
- Gouk, Penelope. 1980. "The Role of Acoustics and Music Theory in the Scientific Work of Robert Hooke." *Annals of Science* 37 (5): 573.
- Gouk, Penelope. 1982. "Music in the Natural Philosophy of the Early Royal Society." PhD diss., Imperial College London.
- Gouk, Penelope. 1999. *Music, Science, and Natural Magic in Seventeenth-Century England*. New Haven: Yale University Press.

- Gouk, Penelope. 2000a. "Music, Melancholy, and Medical Spirits in Early Modern Thought." In *Music as Medicine: The History of Music Therapy since Antiquity*, edited by Peregrine Horden, 173–194. Aldershot: Ashgate.
- Gouk, Penelope. 2000b. "Sister Disciplines? Music and Medicine in Historical Perspective." In *Musical Healing in Cultural Contexts*, edited by Penelope Gouk, 171–196. Florence: Taylor and Francis.
- Gouk, Penelope. 2004. "Raising Spirits and Restoring Souls: Early Modern Medical Explanations for Music's Effects." In *Hearing Cultures: Essays on Sound, Listening, and Modernity*, edited by Veit Erlmann, 87–105. Oxford: Berg.
- Gouk, Penelope. 2014. "Music and the Nervous System in Eighteenth-Century British Medical Thought." In *Music and the Nerves, 1700–1900*, edited by James Kennaway, 44–71. London: Palgrave Macmillan.
- Gouk, Penelope. 2015. "An Enlightenment Proposal for Music Therapy: Richard Brocklesby on Music, Spirit, and the Passions." In *Music, Neurology, and Neuroscience: Evolution, the Musical Brain, Medical Conditions, and Therapies*, edited by Eckart Altenmüller, Stanley Finger, and François Boller, 159–185. Amsterdam: Elsevier. <https://doi.org/10.1016/bs.pbr.2014.11.026>.
- Gouk, Penelope, and Ingrid Sykes. 2011. "Hearing Science in Mid-Eighteenth-Century Britain and France." *Journal of the History of Medicine and Allied Sciences* 66:507–545.
- Gouk, Penelope, Jacomien Prins, James Kennaway, and Wiebke Thormahlen, eds. 2019. *The Routledge Companion to Music, Mind and Well-Being*. New York: Routledge.
- Gray, John Archibald Browne. 1990. "Bryan Harold Cabot Matthews, 14 June 1906–23 July 1986." *Biographical Memoirs of Fellows of the Royal Society* 35:263–279.
- Green, Vivian. 1993. *The Madness of Kings: Personal Trauma and the Fate of Nations*. New York: St. Martin's Press.
- Griffin, Donald R. 1958. *Listening in the Dark: The Acoustic Orientation of Bats and Men*. New Haven, CT: Yale University Press.
- Grignon, Georges. 1997. "François-Nicolas Marquet, Le pouls et le menuet (1682–1759)." *La lettre du musée*, no. 2 (1998): 6–7.
- Grmek, M. 1970. "La notion de fibre vivante chez les médecins de l'école iatrophysique." *Clio Medica* 5 (4): 297.
- Grmek, Mirko D. 1981. "L'invention de l'auscultation médiate, retouches à un cliché historique." *Revue du Palais de la Découverte* 22:107–116.
- Grond, Florian, and Thomas Hermann. 2012. "Aesthetic Strategies in Sonification." *AI & Society* 27 (2): 213–222. <https://doi.org/10.1007/s00146-011-0341-7>.
- Gruner, Oskar Cameron, trans. 1970. *A Treatise on the Canon of Medicine of Avicenna, Incorporating a Translation of the First Book*. New York: Kelley.
- "H. Hartridge MD." 1976. *British Medical Journal* 1 (6011): 716.
- Haar, James. 1974. "The Frontispiece of Gafori's *Practica Musicae* (1496)." *Renaissance Quarterly* 27 (1): 7–22. <http://www.jstor.org/stable/2859295>.
- Hackmann, Willem Dirk. 1984. *Seek and Strike: Sonar, Anti-Submarine Warfare, and the Royal Navy, 1914–54*. London: HMSO.
- Hadlock, Heather. 2000. "Sonorous Bodies: Women and the Glass Harmonica." *Journal of the American Musicological Society* 53: 507–42.
- Hahn, Walter Louis. 1908. "Some Habits and Sensory Adaptations of Cave-Inhabiting bats. II." *Biological Bulletin* 15 (4):165–193.
- Haller, Albrecht von. 1760. *Elementa physiologiae corporis humani*, vol. 2. Venice.
- Haller, Albrecht von. 1936. "A Dissertation on the Sensible and Irritable Parts of Animals." *Bulletin of the Institute of the History of Medicine* 4:651–699.
- Haller, Albrecht von. 1974. *Primae lineae physiologiae*. Hildesheim: Georg Olms.
- Harbach, Barbara, Elisabetta De Gambarini, Marianne Martinez, and Marianne Auenbrugger. 1986. *Women Composers for the Harpsichord*. Bryn Mawr, PA: Elkan-Vogel.

- Hargreaves-Mawdsley, W. N. 1979. *Eighteenth-Century Spain, 1700–1788: A Political, Diplomatic and Institutional History*. Totowa, NJ: Rowman and Littlefield.
- Harrington, Anne. 1985. “Hysteria, Hypnosis, and the Lure of the Invisible: The Rise of Neo-Mesmerism in Fin-de-Siècle French Psychiatry.” In *The Anatomy of Madness: Essays in the History of Psychiatry*, edited by W. F. Bynum, Roy Porter, and Michael Shepherd, 3:226–246. London: Tavistock.
- Harrington, Anne. 1988. “Metals and Magnets in Medicine: Hysteria, Hypnosis and Medical Culture in Fin-de-Siècle Paris.” *Psychological Medicine* 18:21–38.
- Harrington, Anne. 1996. *Reenchanted Science: Holism in German Culture from Wilhelm II to Hitler*. Princeton, NJ: Princeton University Press.
- Harris, C. R. S. 1973. *The Heart and the Vascular System in Ancient Greek Medicine, from Alcmaeon to Galen*. Oxford: Clarendon Press.
- Harry, J. D. 1987. “Early Designs of the Myograph.” *Medical Instrumentation* 21 (5): 278–282.
- Hartridge, H. 1920. “The Avoidance of Objects by Bats in Their Flight.” *Journal of Physiology* 54 (1–2): 54–57.
- Haughton, Samuel. 1863. *Outlines of a New Theory of Muscular Action*. London: Williams and Norgate.
- Head, Mathhew. 2014. “Fantasia and Sensibility.” In *The Oxford Handbook of Topic Theory*, edited by Danuta Mirka, 259–278. New York: Oxford University Press.
- Heller, Eric J. 2012. *Why You Hear What You Hear: An Experiential Approach to Sound, Music, and Psychoacoustics*. Princeton, NJ: Princeton University Press.
- Heller-Roazen, Daniel. 2011. *The Fifth Hammer: Pythagoras and the Disharmony of the World*. New York: Zone Books.
- Helmholtz, Hermann von. 1855. “Ueber die Geschwindigkeit einiger Vorgänge in Muskeln und Nerven (1855).” In *Wissenschaftliche Abhandlungen*, 2:881–885. Leipzig: J. A. Barth.
- Helmholtz, Hermann von. 1864. “Versuche über das Muskelgeräusch.” *Verhandlungen des naturhistorisch-medizinischen Vereins zu Heidelberg*, 155–157.
- Helmholtz, Hermann von. 1866. “Ueber den Muskelton.” *Verhandlungen des naturhistorisch-medizinischen Vereins zu Heidelberg* 4:88–90.
- Helmholtz, Hermann von. 1882. *Wissenschaftliche Abhandlungen*. Leipzig: J. A. Barth.
- Helmholtz, Hermann von. 1924. *Helmholtz’s Treatise on Physiological Optics*. Edited by James P. C. Southall. Translated by J. von Kries. New York: Optical Society of America.
- Helmholtz, Hermann von. 1954. *On the Sensations of Tone as a Physiological Basis for the Theory of Music*. Edited by Alexander John Ellis. New York: Dover.
- Henderson, Jeffrey. N.d. “Lucian, Philosophies for Sale.” Loeb Classical Library. Accessed September 12, 2018, at https://www.loebclassics.com/view/lucian-philosophies_sale/1915/pb_LCL054.455.xml.
- Hermann, Ludimar. 1878. “Ueber electrophysiologische Verwendungen des Telephons: Anhang zu den Untersuchungen über die Actionsströme.” *Archiv für die gesammte Physiologie des Menschen und der Thiere* 16:504–509.
- Hermann, Thomas, Andy Hunt, and John G. Neuhoff, eds. 2011. *The Sonification Handbook*. Berlin: Logos.
- Hermans, Michel. 2005. “Joseph-Marie Amiot: une figure de la rencontre de ‘l’autre’ au temps des Lumières.” In *Les danses rituelles chinoises d’après Joseph-Marie Amiot: aux sources de l’ethnochoregraphie*, edited by Yves Lenoir and N. Standaert, 11–78. Namur, Belgium: Presses universitaires de Namur.
- Hesse, Mary B. 1966. “Hooke’s Philosophical Algebra.” *Isis* 57 (1): 67–83.
- Hibberd, Sarah. 2004. “‘Dormez donc, mes chers amours’: Hérold’s *La Somnambule* (1827) and Dream Phenomena on the Parisian Lyric Stage.” *Cambridge Opera Journal* 16:107–132.
- Hippocrates. 1937. *Works*, vol. 4. Translated by W. H. S. Jones. Cambridge, MA: Harvard University Press.
- Hippocrates. 2010. *Works*, vol. 4. Translated by Paul Potter. Cambridge, MA: Harvard University Press.
- Hobbs, Kyle, Prashanth Krishnamohan, Catherine Legault, Steve Goodman, Josef Parvizi, Kapil Gururangan, and Michael Mlynash. 2018. “Rapid Bedside Evaluation of Seizures in the ICU by Listening to the Sound of Brainwaves: A Prospective Observational Clinical Trial of Ceribell’s Brain Stethoscope Function.” *Neurocritical Care* 29 (2): 302–312.

- Höber, Rudolf. 1919. "Ein Verfahren zur Demonstration der Aktionsströme." *Pflügers Archiv für die gesamte Physiologie des Menschen und der Tiere* 177:305–312.
- Hodgkin, Alan. 1979. "Edgar Douglas Adrian, Baron Adrian of Cambridge, 30 November 1889–4 August 1977." *Biographical Memoirs of Fellows of the Royal Society* 25:1–73.
- Hoffmann, E. T. A. 2003. *E. T. A. Hoffmann's Musical Writings*. Edited by David Charleton. Translated by Martyn Clarke. Cambridge: Cambridge University Press.
- Hoffmann, E. T. A. 2014. *Kreisler; Berganza; Magnetiseur: textkritische Edition: Autographe der Bibliotheca Bodmeriana*. Edited by Katerina Latifi. Frankfurt am Main: Stroemfeld.
- Hoffmann, Freia. 1991. *Instrument und Körper: Die musizierende Frau in der bürgerlichen Kultur*. Frankfurt am Main: Insel Verlag.
- Hogan, J. L. 1999. "The Heterodyne Receiving System, and Notes on the Recent Arlington-Salem Tests." *Proceedings of the IEEE* 87 (11): 1979–1990.
- Holford-Strevens, Leofranc. 1993. "The Harmonious Pulse." *Classical Quarterly* 43:475–479.
- Holsinger, Bruce W. 2001. *Music, Body, and Desire in Medieval Culture: Hildegard of Bingen to Chaucer*. Stanford, CA: Stanford University Press.
- Homer. 1990. *The Iliad*. Translated by Robert Fagles. New York: Viking.
- Hooke, Robert. 1678. *Lectures de Potentia Restitutiva, or Of Spring Explaining the Power of Springing Bodies*. London: John Martyn.
- Hooke, Robert. 1705. *The Posthumous Works*. London: Richard Waller.
- Hooke, Robert. 1961. *Micrographia; or, Some Physiological Descriptions of Minute Bodies Made by Magnifying Glasses, with Observations and Inquiries Thereupon*. New York: Dover.
- Howard, Patricia. 2017. *Gluck*. London: Routledge.
- Howe, Blake. 2017. "Music and the Agents of Obsession." *Music Theory Spectrum* 38:218–240.
- Hoyt, Peter A. 1996. "The Concept of Développement in the Early Nineteenth Century." In *Music Theory in the Age of Romanticism*, edited by Ian Bent, 140–162. Cambridge: Cambridge University Press.
- Hrotsvit of Gandersheim. 1989. *The Plays of Hrotsvit of Gandersheim*. Translated by Katharina Wilson. New York: Garland.
- Hubel and Wiesel Cat Experiment*. N.d. Accessed May 20, 2020. at <https://www.youtube.com/watch?v=IOHayh06LJ4>.
- Hubel, David H. 1958. "Cortical Unit Responses to Visual Stimuli in Nonanesthetized Cats." *American Journal of Ophthalmology* 46 (3): 110–122.
- Hubel, D. H. 1959. "Single Unit Activity in Striate Cortex of Unrestrained Cats." *Journal of Physiology* 147:226–238.
- Hubel, David H. 1982. "Evolution of Ideas on the Primary Visual Cortex, 1955–1978: A Biased Historical Account." *Bioscience Reports* 2 (7): 435–469.
- Hubel, David H., and Torsten N. Wiesel. 1959. "Receptive Fields of Single Neurones in the Cat's Striate Cortex." *Journal of Physiology* 148: 574–591.
- Hubel, David H., and Torsten N. Wiesel. 2005. *Brain and Visual Perception: The Story of a 25-Year Collaboration*. New York: Oxford University Press.
- Hubel, David H., Torsten N. Wiesel, Erin M. Yeagle, Rosa Lafer-Sousa, Bevil R. Conway. 2015. "Binocular Stereopsis in Visual Areas V-2, V-3, and V-3A of the Macaque Monkey." *Cerebral Cortex* 25 (4): 959–971.
- Huffman, Carl A. 1993. *Philolaus of Croton: Pythagorean and Presocratic*. Cambridge: Cambridge University Press.
- Huffman, Carl A. 2005. *Archytas of Tarentum: Pythagorean, Philosopher, and Mathematician King*. Cambridge: Cambridge University Press.
- Hui, Alexandra. 2013a. "Changeable Ears: Ernst Mach's and Max Planck's Studies of Accommodation in Hearing." *Osiris* 28:119–145.
- Hui, Alexandra. 2013b. *The Psychophysical Ear: Musical Experiments, Experimental Sounds, 1840–1910*. Cambridge, MA: MIT Press.

- Hui, Alexandra, Julia Kursell, and Myles W. Jackson, eds. 2013. *Music, Sound, and the Laboratory from 1750–1980*. Chicago: University of Chicago Press.
- Hunter, Richard, and Ida Macalpine, eds. 1963. *Three Hundred Years of Psychiatry, 1535–1860: A History Presented in Selected English Texts*. London: Oxford University Press.
- Hustvedt, Asti. 2011. *Medical Muses: Hysteria in Nineteenth-Century Paris*. New York: Norton.
- Iamblichus. 1891. *Iamblichi De communi mathematica scientia liber*. Edited by Nicolaus Festa. Leipzig: B. G. Teubner.
- Iamblichus. 1989. *On the Pythagorean Life*. Translated by Gillian Clark. Liverpool: Liverpool University Press.
- Iriarte, Tomás de. 1779. *La música*. Madrid: En la imprenta real de la Gazeta.
- Iriarte, Tomás de. 1807. *Music: A Didactic Poem, in Five Cantos*. Translated by John Belfour. London: W. Miller.
- Ivanovich, Roman. 2014. “The Brilliant Style.” In *The Oxford Handbook of Topic Theory*, edited by Danuta Mirka, 330–354. New York: Oxford University Press.
- Jackson, Myles. 2004. “Physics, Machines, and Musical Pedagogy.” *History of Science* 42: 371–418.
- Jackson, Myles W. 2006. *Harmonious Triads: Physicists, Musicians, and Instrument Makers in Nineteenth-Century Germany*. Cambridge, MA: MIT Press.
- Jackson, Stanley W. 1992. “The Listening Healer in the History of Psychological Healing.” *American Journal of Psychiatry* 149:1623–1632.
- Jarcho, Saul. 1961. “Auenbrugger, Laennec, and John Keats.” *Medical History* 5:167–172.
- Jardine, Nicholas. 1984. *The Birth of History and Philosophy of Science: Kepler’s A Defence of Tycho against Ursus, with Essays on Its Provenance and Significance*. Cambridge: Cambridge University Press.
- Jay, Martin. 1993. *Downcast Eyes: The Denigration of Vision in Twentieth-Century French Thought*. Berkeley: University of California Press.
- Johnson, Frederic. 1985. “Tartini’s ‘Trattato di musica seconda la vera scienza dell’armonia’: An Annotated Translation with Commentary.” PhD diss., Indiana University.
- Johnson, James H. 1996. *Listening in Paris: A Cultural History*. Berkeley: University of California Press.
- Jones, Arthur Taber. 1935. “The Discovery of Difference Tones.” *American Physics Teacher* 3 (2): 49–51.
- Jouanna, Jacques. 1999. *Hippocrates*. Translated by M. B. DeBevoise. Baltimore, MD: John Hopkins University Press.
- Jouanna, Jaques. 2012. *Greek Medicine from Hippocrates to Galen*. Leiden: Brill.
- Jurine, M. de. 1798. “Experiments on Bats Deprived of Sight.” *Philosophical Magazine* 1 (2): 136–140.
- Juste, David. 2010. “Musical Theory and Astrological Foundations in Kepler: The Making of the New Aspects.” In *Music and Esotericism*, edited by Laurence Wuidar, 177–195. Leiden: Brill.
- Kamen, Henry. 2001. *Philip V: The King Who Reigned Twice*. New Haven, CT: Yale University Press.
- Kassler, Jamie Croy. 1995. *Inner Music: Hobbes, Hooke, and North on Internal Character*. Madison, NJ: Fairleigh Dickinson University Press.
- Kassler, Jamie Croy. 2001. *Music, Science, Philosophy: Models in the Universe of Thought*. Aldershot: Ashgate.
- Keele, Kenneth D. 1963. *The Evolution of Clinical Methods in Medicine*. London: Pitman Medical.
- Kemp, D. T. 1978. “Stimulated Acoustic Emissions from within the Human Auditory System.” *Journal of the Acoustical Society of America* 64 (5): 1386–1391. <https://doi.org/10.1121/1.382104>.
- Kennaway, James. 2012a. *Bad Vibrations: The History of the Idea of Music as Cause of Disease*. Farnham, Surrey: Ashgate.
- Kennaway, James. 2012b. “Musical Hypnosis: Sound and Selfhood from Mesmerism to Brainwashing.” *Social History of Medicine* 25:271–289.
- Kennaway, James. 2014. “Introduction: The Long History of Neurology and Music.” In *Music and the Nerves, 1700–1900*, edited by James Kennaway, 1–17. London: Palgrave Macmillan UK.

- Kennaway, James. 2015. "Historical Perspectives on Music as a Cause of Disease." In *Progress in Brain Research*, edited by Eckart Altenmüller, Stanley Finger, and François Boller, 216:127–145. Amsterdam: Elsevier.
- Kennaway, James. 2016. "Lebenskraft, the Body and Will Power: The Life Force in German Musical Aesthetics." In *The Early History of Embodied Cognition, 1740–1920*, edited by John A. McCarthy, Stephanie M. Hilger, Heather I. Sullivan, and Nicholas Saul, 124–144. New York: Brill.
- Kennaway, James. 2019. "Music and the Body in the History of Medicine." In *The Oxford Handbook of Music and the Body*, edited by Youn Kim and Sander L. Gilman, 333–348. New York: Oxford University Press.
- Kepler, Johannes. 1937. *Gesammelte Werke*. Edited by Walther von Dyck, Max Caspar, and Franz Hammer. Munich: C. H. Beck.
- Kepler, Johannes. 1997. *The Harmony of the World*. Translated by E. J. Aiton, A. M. Duncan, and J. V. Field. Philadelphia: American Philosophical Society.
- Kepler, Johannes. 2010. *The Six-Cornered Snowflake*. Translated by Jacques Bromberg. Philadelphia: Paul Dry Books.
- Kepler, Johannes. 2015. *Astronomia Nova*. New rev. ed. Translated by William H. Donahue. Santa Fe, NM: Green Lion Press.
- Khodadoust, Kazem, Mohammadreza Ardalan, Kamyar Ghabili, Samad E. J. Golzari, and Garabed Eknayan. 2013. "Discourse on Pulse in Medieval Persia—the *Hidayat* of Al-Akhawayni (?–983 AD)." *International Journal of Cardiology* 166:289–293.
- Kibre, Pearl. 1978. "'Astronomia' or 'Astrologia Ypocratis.'" In *Science and History: Studies in Honor of Edward Rosen*, edited by Erna Hilfstein, Pawel Czartoryski, and Frank D. Grande, 135–156. Wrocław: Ossolineum.
- King, A. Hyatt. 1945. "The Musical Glasses and Glass Harmonica." *Proceedings of the Royal Musical Association* 72:97–122.
- King, Alec Hyatt. N.d. "Musical Glasses." *Grove Music Online*.
- Kircher, Athanasius. 1643. *Magnes, siue, De arte magnetica opus tripartitum*. Cologne: Apud Iodocvm Kalcoven.
- Kinney, Sam E., and Richard Prass. 1986. "Facial Nerve Dissection by use of Acoustic (Loudspeaker) Facial EMG Monitoring." *Otolaryngology—Head and Neck Surgery* 95:458–463.
- Kirkpatrick, Ralph. 1953. *Domenico Scarlatti*. Princeton, NJ: Princeton University Press.
- Kittler, Friedrich A. 1999. *Gramophone, Film, Typewriter*. Stanford, CA: Stanford University Press.
- Kittler, Friedrich A. 2006. *Musik und Mathematik*. Munich: Wilhelm Fink Verlag.
- Kittler, Friedrich A. 2014. *The Truth of the Technological World: Essays on the Genealogy of Presence*. Stanford, CA: Stanford University Press.
- Kleppner, Daniel. 2007. "Master Michelson's Measurement." *Physics Today* 60 (8): 8–9.
- Koenigsberger, Leo. 1965. *Hermann von Helmholtz*. New York: Dover.
- Krakeur, Lester G., and Raymond L. Krueger. 1941. "The Mathematical Writings of Diderot." *Isis* 33:219–232.
- Kramer, Cheryce. 2000. "Music as Cause and Cure of Illness in Nineteenth-Century Europe." In *Music as Medicine: The History of Music Therapy since Antiquity*, edited by Peregrine Horden, 338–352. Aldershot: Ashgate.
- Kramer, Gregory, ed. 1994. *Auditory Display: Sonification, Audification, and Auditory Interfaces*. Reading, MA: Addison-Wesley.
- Kramer, Gregory, Bruce Walker, Terri Bonebright, Perry Cook, John H. Flowers, Nadine Miner, and John Neuhoff. 1999. "Sonification Report: Status of the Field and Research Agenda." Santa Fe, NM: International Community for Auditory Display (ICAD).
- Kramer, Gregory, Bruce Walker, Perry Cook, and Nadine Miner, eds. 2010. *Sonification Report: Status of the Field and Research Agenda*. DigitalCommons@University of Nebraska—Lincoln.
- Kreuzer, Gundula. 2018. *Curtain, Gong, Steam: Wagnerian Technologies of Nineteenth-Century Opera*. Oakland, CA: University of California Press.

- Kümmel, Werner Friedrich. 1977. *Musik und Medizin: Ihre Wechselbeziehung in Theorie und Praxis von 800 bis 1800*. Freiburg: Alber.
- Kursell, Julia. 2011. "A Gray Box: The Phonograph in Laboratory Experiments and Fieldwork, 1900–1920." In *The Oxford Handbook of Sound Studies*, edited by Trevor Pinch and Karin Bijsterveld. Oxford: Oxford University Press.
- Kursell, Julia. 2013. "Experiments on Sound Color in Music and Acoustics: Helmholtz, Schoenberg, and Klangfarbenmelodie." *Osiris* 28:191–211.
- Kursell, Julia. 2015. "A Third Note: Helmholtz, Palestrina, and the Early History of Musicology." *Isis* 106 (2): 353–366.
- Kursell, Julia. 2018. *Epistemologie des Hörens: Helmholtz' physiologische Grundlegung der Musiktheorie*. Munich: Wilhelm Fink Verlag.
- Kursell, Julia. 2019a. "Hearing in the Music of Hector Berlioz." In *Nineteenth-Century Opera and the Scientific Imagination*, edited by David Trippett, 109–133. Cambridge: Cambridge University Press.
- Kursell, J. 2019b. "Listening to More Than Sounds: Carl Stumpf and the Experimental Recordings of the Berliner Phonogramm-Archiv." *Technology and Culture* 60 (2, Supplement): S39–S63.
- Kusukawa, Sachiko. 2012. *The Canon of the Human Body: Vesalius's De humani corporis fabrica*. Chicago: University of Chicago Press.
- Laennec, R. T. H. 1826. *Traité de l'auscultation médiate et des maladies des poumons et du coeur*. Paris: Chaudé.
- Laennec, R. T. H. 1830. *A Treatise on the Diseases of the Chest and on Mediate Auscultation*. Edited by John Forbes. New York: Samuel Wood & Sons.
- Lane Fox, Robin. 2020. *The Invention of Medicine: From Homer to Hippocrates*. New York: Basic Books.
- La Villemarqué, Théodore Hersart. 1867. *Barzaz Breiz; chants populaires de la Bretagne*. 6th ed. Paris: Didier.
- Lawn, Brian. 1963. *The Salernitan Questions: An Introduction to the History of Medieval and Renaissance Problem Literature*. Oxford: Clarendon Press.
- Lawrence, Christopher. 1979. "The Nervous System and Society in the Scottish Enlightenment." In *Natural Order: Historical Studies of Scientific Culture*, edited by Barry Barnes and Steven Shapin, 19–40. Beverly Hills, CA: Sage.
- Le Guin, Elisabeth. 2006. *Boccherini's Body: An Essay in Carnal Musicology*. Berkeley: University of California Press.
- Lenoir, T. 1986. "Models and Instruments in the Development of Electrophysiology, 1845–1912." *Historical Studies in the Physical and Biological Sciences* 17:1–54.
- Lesky, Erna. 1959. "Leopold Auenbrugger—Schüler van Swieten." *Deutsche Medizinische Wochenschrift* 84:717–725.
- Levett, J., and G. Agarwal. 1979. "The First Man/Machine Interaction in Medicine: The Pulsilogium of Sanctorius." *Medical Instrumentation* 13:61–63.
- Lewis, Orly. 2017. *Praxagoras of Cos on Arteries, Pulse and Pneuma: Fragments and Interpretation*. Leiden: Brill.
- Liban, Jerzy. 1975. *De musicae laudibus oratio*. Cracow: Polskie Wydawnictwo Muzyczne.
- Lindeboom, Gerrit Arie. 1979. *Descartes and Medicine*. Amsterdam: Rodopi.
- Linebarger, Eric J., David R. Hardten, Gaurav K. Shah, and Richard L. Lindstrom. 1999. "Phacoemulsification and Modern Cataract Surgery." *Survey of Ophthalmology* 44:123–147.
- Lipowski, Z. J. 1984. "Benjamin Franklin and Princess Czartoryska: An Unknown Therapeutic Encounter." *Pennsylvania History* 51 (2): 167–171.
- Lippmann, Gabriel. 1875. "Relations entre les phénomènes électriques et capillaires." *Annales de Chimie et de Physique*, series 5. 5:494–549.
- Lloyd, G. E. R. 1970. *Early Greek Science: Thales to Aristotle*. New York: Norton.
- Lloyd, G. E. R., ed. 1984. *Hippocratic Writings*. Translated by J. Chadwick. Harmondsworth: Penguin Classics.

- Lloyd, G. E. R. 1987. *The Revolutions of Wisdom: Studies in the Claims and Practice of Ancient Greek Science*. Berkeley: University of California Press.
- Lloyd, G. E. R. 2013. *Greek Science after Aristotle*. New York: Random House.
- Lockhart, Ellen. 2017. *Animation, Plasticity, and Music in Italy, 1770–1830*. Oakland: University of California Press.
- Longrigg, James. 1993. *Greek Rational Medicine: Philosophy and Medicine from Alcmaeon to the Alexandrians*. London: Routledge.
- Lucas, K. 1912. “On a Mechanical Method of Correcting Photographic Records Obtained from the Capillary Electrometer.” *Journal of Physiology* 44 (3): 225–242.
- Lucas, Keith. 1905. “On the Gradation of Activity in a Skeletal Muscle-Fibre.” *Journal of Physiology* 33 (2): 125–137.
- Lucas, Keith. 1909. “The ‘All or None’ Contraction of the Amphibian Skeletal Muscle Fibre.” *Journal of Physiology* 38 (2–3): 113–133.
- Lynch, John. 1989. *Bourbon Spain 1700–1808*. Oxford: Blackwell.
- Lyncker, Peter. 1966. “Samuel Hafenreffer, 1587–1660: Leben, Werk, seine Bedeutung für die Dermatologie.” MD diss., Tübingen.
- Maclean, Ian. 2002. *Logic, Signs, and Nature in the Renaissance: The Case of Learned Medicine*. Cambridge: Cambridge University Press.
- Mahnke, C. Becket. 2009. “Automated Heartsound Analysis/Computer-Aided Auscultation: A Cardiologist’s Perspective and Suggestions for Future Development.” In *Proceedings of the 2009 Annual International Conference of the IEEE Engineering in Medicine and Biology Society*, 3115–3118. Piscataway, NJ: IEEE.
- Marquet, François Nicolas. 1769. *Nouvelle méthode facile et curieuse, pour connoitre le pouls par les notes de la musique*. 2nd ed. Paris: Didot.
- Marquet, François Nicolas. 1770. *Traité de l’apoplexie, paralysie, et autres affections soporeuses développées par l’expérience*. Paris: Costard.
- Martianus Capella. 1977. *The Marriage of Philology and Mercury*. Translated by William Harris Stahl, Richard Johnson, and E. L. Burge. New York: Columbia University Press.
- Martin, Henri. 1868. *Histoire de France populaire, depuis les temps les plus reculés jusqu’à nos jours*, vol. 3. Paris: Furne, Jouvet et Cie.
- Maslow, Abraham H. 1966. *The Psychology of Science: A Reconnaissance*. New York: Harper.
- Mathews, M. V. 1963. “The Digital Computer as a Musical Instrument.” *Science* 142 (3592): 553–557.
- Matthews, B. H. 1928. “A New Electrical Recording System for Physiological Work.” *Journal of Physiology* 65 (3): 225–242.
- Matthews, Betty. 1975. “The Davies Sisters, J. C. Bach and the Glass Harmonica.” *Music and Letters*, no. 2: 150–169.
- Matthews, Bryan H. C. 1929. “A New Electrical Recording System.” *Journal of Scientific Instruments* 6 (7): 220–226.
- Maxim, Hiram. 1912. “The Sixth Sense of the Bat.” *Scientific American Supplement* 74:148–150.
- Mayer-Deutsch, Angela. 2004. “‘Quasi-Optical Palingenesis’: The Circulation of Portraits and the Image of Kircher.” In *Athanasius Kircher: The Last Man Who Knew Everything*, edited by Paula Findlen, 105–129. New York: Routledge.
- McCabe, Ina Baghdiantz. 2008. *Orientalism in Early Modern France: Eurasian Trade, Exoticism and the Ancien Regime*. Oxford: Berg.
- McCarthy, O. R. 1999. “Getting a Feel for Percussion.” *Vesalius* 5:3–10.
- McComas, Alan J. 2011. *Galvani’s Spark: The Story of the Nerve Impulse*. Oxford: Oxford University Press.
- McDonald, Granley. 2018. “The Reception of Ficino’s Theory of World Harmony in Germany.” In *Sing Aloud Harmonious Spheres: Renaissance Conceptions of Cosmic Harmony*, edited by Jacomien Prins and Maude Vanhaelen, 160–182. New York: Routledge.

- Mclaren, M. J., D. M. Hawkins, H. J. Koornhof, K. R. Bloom, D. M. Bramwell-Jones, E. Cohen, G. E. Gale, et al. 1975. "Epidemiology of Rheumatic Heart Disease in Black Schoolchildren of Soweto, Johannesburg." *British Medical Journal* 3 (5981): 474–478.
- McNeil Jr., Donald G. 2019. "In African Villages, These Phones Become Ultrasound Scanners." *New York Times*, April 15, 2019. <https://www.nytimes.com/2019/04/15/health/medical-scans-butterfly-iq.html>.
- Meneghini, Matteo. 2007. "An Analysis of the Compositional Techniques in John Chowning's Stria." *Computer Music Journal* 31 (3): 26–37.
- Ménuret de Chambaud. 1751a. "Musique, effets de la." In *Encyclopédie, ou Dictionnaire raisonné des sciences, des arts et des métiers*, edited by Denis Diderot and Jean le Rond d'Alembert, 10:903. Paris: Briasson.
- Ménuret de Chambaud. 1751b. "Pouls." In *Encyclopédie, ou Dictionnaire raisonné des sciences, des arts et des métiers*, edited by Denis Diderot and Jean le Rond d'Alembert, 13:205. Paris: Briasson.
- Merklinger, Harold M., and Dale D. Ellis. 2017. "Fessenden and Boyle: Two Canadian Sonar Pioneers." *Proceedings of Meetings on Acoustics* 30:1–20.
- Mersenne, Marin. 1963. *Harmonie Universelle, contenant la théorie et la pratique de la musique*. Paris: Centre national de la recherche scientifique.
- Mesmer, Franz Anton. 1980. *Mesmerism: A Translation of the Original Scientific and Medical Writings of F. A. Mesmer*. Translated by George Bloch. Los Altos, CA: W. Kaufman.
- Michelson, Albert A. 1880. *Experimental Determination of the Velocity of Light: Made at the U. S. Naval Academy, Annapolis*. Washington, DC: U.S. Nautical Almanac Office.
- Monelle, Raymond. 2006. *The Musical Topic: Hunt, Military and Pastoral*. Bloomington: Indiana University Press.
- Morat, Daniel, and Axel Volmar, eds. 2017. *Netzwerk Hör-Wissen im Wandel: Wissensgeschichte des Hörens in der Moderne*. Berlin: De Gruyter.
- Morton, H. V. 1969. *A Traveller in Southern Italy*. New York: Dodd, Mead.
- Movahed, Mohammad-Reza, and Ramin Ebrahimi. 2007. "The Prevalence of Valvular Abnormalities in Patients Who Were Referred for Echocardiographic Examination with a Primary Diagnosis of 'Heart Murmur.'" *Echocardiography* 24 (5): 447–451.
- Mozart, Wolfgang Amadeus. 1997. *The Letters of Mozart and His Family*. Edited by Stanley Sadie and Fiona Smart. Translated by Emily Anderson. London: Palgrave Macmillan.
- Mueller, William R. 1949. "Robert Burton's Frontispiece." *PMLA* 64:1074–1088.
- Müller, Johannes. 1838. *Elements of Physiology*. Translated by William Baly. London: Taylor & Walton.
- Neuburger, Max. 1922. *Leopold Auenbrugger und sein Inventum Novum: eine historische Skizze*. Vienna: M. Salzer.
- "Newborn and Infant Hearing Screening." 2010. Geneva: World Health Organization. https://www.who.int/blindness/publications/Newborn_and_Infant_Hearing_Screening_Report.pdf?ua=1.
- Nicolson, Malcolm, and John E. E. Fleming. 2013. *Imaging and Imagining the Fetus: The Development of Obstetric Ultrasound*. Baltimore, MD: Johns Hopkins University Press.
- Nietzsche, Friedrich. 1997. *Daybreak: Thoughts on the Prejudices of Morality*. Translated by M. Clark and B. Leiter. Cambridge: Cambridge University Press.
- Nutton, Vivian. 1995. "Medicine in the Greek World, 800–50 BC." In *The Western Medical Tradition: 800 B.C.–1800 A.D.*, by Lawrence I. Conrad, Michael Neve, Vivian Nutton, Roy Porter, and Andrew Wear, 11–38. Cambridge: Cambridge University Press.
- Nutton, Vivian. 2004. *Ancient Medicine*. London: Routledge.
- Olesko, Kathryn M., and Frederic L. Holmes. 1994. "Experiment, Quantification, and Discovery: Helmholtz's Early Physiological Researches, 1843–50." In *Hermann von Helmholtz and the Foundations of Nineteenth-Century Science*, edited by David Cahan, 50–108. Berkeley: University of California Press.
- O'Neal, John C. 1998. "Auenbrugger, Corvisart, and the Perception of Disease." *Eighteenth-Century Studies* 31:473–489. <http://www.jstor.org/stable/30053888>.
- O'Neal, John C. 2002. *Changing Minds: The Shifting Perception of Culture in Eighteenth-Century France*. Newark: University of Delaware Press.

- Orr, D. Alan. 2016. “‘God’s Hangman’: James VI, the Divine Right of Kings, and the Devil.” *Reformation and Renaissance Review* 18:137–154.
- Osler, William. 1947. *The Principles and Practice of Medicine*. 16th ed. Edited by Henry A. Christian. New York: Appleton-Century.
- O’Sullivan, Lisa. 2012. “The Time and Place of Nostalgia: Re-Situating a French Disease.” *Journal of the History of Medicine and Allied Sciences* 67:626–649. <http://jhmas.oxfordjournals.org/content/early/2011/12/08/jhmas.jrr058>.
- Otis, Laura. 2001. “The Other End of the Wire: Uncertainties of Organic and Telegraphic Communication.” *Configurations* 9 (2): 181–206.
- Otis, Laura. 2002. “The Metaphoric Circuit: Organic and Technological Communication in the Nineteenth Century.” *Journal of the History of Ideas* 63:105–128.
- Ozanam, Charles. 1886. *La circulation et le pouls: Histoire, physiologie, sémeiotique, indications thérapeutiques*. Paris: J. B. Baillière et fils.
- Pace, Antonio. 1958. *Benjamin Franklin and Italy*. Philadelphia: American Philosophical Society.
- Page, Robert Morris. 1962. *The Origin of Radar*. Garden City, NY: Anchor Books.
- Palisca, Claude V. 1985. *Humanism in Italian Renaissance Musical Thought*. New Haven, CT: Yale University Press.
- Palisca, Claude V. 2006. *Music and Ideas in the Sixteenth and Seventeenth Centuries*. Chicago: University of Illinois Press.
- Panofsky, Erwin. 1972. *Studies in Iconology: Humanistic Themes in the Art of the Renaissance*. New York: Harper & Row.
- Pantalony, David. 2004. “Seeing a Voice: Rudolph Koenig’s Instruments for Studying Vowel Sounds.” *American Journal of Psychology* 117 (3): 425–442.
- Pantalony, David. 2009. *Altered Sensations: Rudolph Koenig’s Acoustical Workshop in Nineteenth-Century Paris*. Dordrecht: Springer.
- Parvizi, Josef, Kapil Gururangan, Babak Razavi, and Chris Chafe. 2018. “Detecting Silent Seizures by Their Sound.” *Epilepsia* 59 (4): 877–884.
- Pattie, Frank A. 1956. “Mesmer’s Medical Dissertation and Its Debt to Mead’s *De imperio solis ac lunae*.” *Journal of the History of Medicine and Allied Sciences* 11:275–287.
- Pattie, Frank A. 1994. *Mesmer and Animal Magnetism: A Chapter in the History of Medicine*. Hamilton, NY: Edmonston Publishing.
- Pauletto, Sandra and Andy Hunt. 2006. “The Sonification of EMG Data.” *Proceedings of the 12th International Conference on Auditory Display, London, UK, June 20–23, 2006*, 152–157.
- Paxton, Frederick S. 1993. “Liturgy and Anthropology: A Monastic Death Ritual of the Eleventh Century.” *Studies in Music Thanatology* 2:1–20.
- Payne, Stanley G. 1973. *A History of Spain and Portugal*. Madison: University of Wisconsin Press.
- Pérez, Jesus, Ross J. Baldessarini, Núria Cruz, Paola Salvatore, and Eduard Vieta. 2011. “Andres Piquer-Arrufat (1711–1772): Contributions of an Eighteenth-Century Spanish Physician to the Concept of Manic-Depressive Illness.” *Harvard Review of Psychiatry* 19:68–77.
- Peschier, J. 1798. “Extrait des expériences de Jurine sur les chauve-souris qu’on a privé de la vue.” *Journal de physique, de chimie et d’histoire naturelle* 3:145–148.
- Pesic, Peter. 2000. *Labyrinth: A Search for the Hidden Meaning of Science*. Cambridge, MA: MIT Press.
- Pesic, Peter. 2013. “Thomas Young and Eighteenth Century Tempi.” *Performance Practice Review* 18 (1). <http://scholarship.claremont.edu/ppr/vol18/iss1/2>.
- Pesic, Peter. 2014a. “Francis Bacon, Violence, and the Motion of Liberty: The Aristotelian Background.” *Journal of the History of Ideas* 75:69–90.
- Pesic, Peter. 2014b. *Music and the Making of Modern Science*. Cambridge, MA: MIT Press.
- Pesic, Peter. 2016. “Music, Mechanism, and the ‘Sonic Turn’ in Physical Diagnosis.” *Journal of the History of Medicine and Allied Sciences* 71:144–172.

- Pesic, Peter. 2017. *Polyphonic Minds: Music of the Hemispheres*. Cambridge, MA: MIT Press.
- Pesic, Peter. 2019. "Music, Melancholia, and Mania: Gaetano Brunetti's Obsessional Symphony." *19th-Century Music* 43:67–85.
- Pesic, Peter. 2020. "Composing the Crisis: From Mesmer's Harmonica to Charcot's Tam-Tam." *Nineteenth-Century Music Review*. <https://doi.org/10.1017/S1479409820000087>.
- Pesic, Peter, and Axel Volmar. 2014. "Pythagorean Longings, the Rhetoric of String Theory, and the Sonification of High-Energy Physics." *Journal of Sonic Studies* 6. <https://www.researchcatalogue.net/view/109371/109372/0/53>.
- Petrie, Charles. 1971. *King Charles III of Spain: An Enlightened Despot*. New York: J. Day Co.
- Pfaffmann, C. 2012. "Taste Neurophysiology, Sensory Coding, and Behavior." In *Foundations of Sensory Science*, by H. Autrum, L. M. Beidler, H. Davis, and H. Engström, 325–349. Berlin: Springer Science & Business Media.
- Piccolino, Marco, and Marco Bresadola. 2013. *Shocking Frogs: Galvani, Volta, and the Electric Origins of Neuroscience*. Oxford: Oxford University Press.
- Pinch, T. J., and Karin Bijsterveld. 2012. *The Oxford Handbook of Sound Studies*. Oxford: Oxford University Press.
- Piquer, Andrés. 1759. "Discurso sobre la enfermedad del rey nuestro Señor Don Fernando VI, que Dios guarde." Madrid: Biblioteca Nacional de España.
- Piquer, Andrés. 1764. *Praxis medica: ad usum Scholae Valantinae*. Madrid: Ediciones Joachim Ibarra.
- Pistacchio, Bonifacio, and Eleonora Pistacchio. 1996. "François Nicolas Marquet (1687–1759) e il suo metodo per annotare con le note musicali il polso dell'uomo." *Rivista di storia della medicina* 27:189–204.
- Plato. 1997. *Complete Works*. Edited by John M. Cooper and D. S. Hutchinson. Indianapolis, IN: Hackett.
- Plato. 2016. *Timaeus*. 2nd ed. Translated by Peter Kalkavage. Indianapolis: Hackett.
- Plotinus. 1992. *The Enneads*. Translated by Stephen Mackenna. Burdett, NY: Larson Publications.
- Pollitt, J. J. 1972. *Art and Experience in Classical Greece*. Cambridge: Cambridge University Press.
- Polzonetti, Pierpaolo. 2001. *Tartini e la musica secondo natura*. Lucca: LIM.
- Porter, Roy. 2001. *The Cambridge Illustrated History of Medicine*. Cambridge: Cambridge University Press.
- Pottinger, Mark. 2020. "Lucia and the Auscultation of Disease in Mid-Nineteenth-Century France." *Nineteenth-Century Music Review*. <https://doi.org/10.1017/S1479409820000075>.
- Prins, Jacomien. 2012. "The Music of the Pulse in Marsilio Ficino's *Timaeus* Commentary." In *Blood, Sweat, and Tears: The Changing Concepts of Physiology from Antiquity into Early Modern Europe*, edited by Manfred Horstmanshoff, Helen King, and Claus Zittel, 393–413. Leiden: Brill.
- Prins, Jacomien, and Maude Vanhaelen, eds. 2018. *Sing Aloud Harmonious Spheres: Renaissance Conceptions of Cosmic Harmony*. New York: Routledge.
- Provenza, Antonietta. 2012. "Aristoxenus and Music Therapy: Fr. 26 Wehrli within the Tradition on Music and Catharsis." In *Aristoxenus of Tarentum: Discussion*, edited by Carl A. Huffman, 91–128. New Brunswick, NJ: Transaction.
- Pugliese, Romana Margherita. 2004. "The Origins of *Lucia di Lammermoor*'s Cadenza." *Cambridge Opera Journal* 16 (1): 23–42.
- Puységur, Amand Marc Jacques de Chastenet, marquis de. 1820. *Mémoires pour servir à l'histoire et à l'établissement du magnétisme animal*. Paris: Dentu.
- Qiftī, 'Alī ibn Yūsuf. 1903. *T'arīḥ al-Ḥukamā'*. Edited by August Müller and Julius Lippert. Leipzig: Dieterich Verlagsbuchhandlung.
- Quantz, Johann Joachim. 1966. *On Playing the Flute*. Translated by Edward R. Reilly. New York: Schirmer Books.
- Radau, R[odolphe]. 1869. *Die Lehre vom Schall: gemeinfassliche Darstellung der Akustik*. Munich: R. A. Oldenbourg.
- Ramos de Pareja, Bartolomeo. 1993. *Musica Practica*. Translated by Clement A. Miller. Neuhausen-Stuttgart: Hänssler-Verlag.

- Ramos, Rene M. 1997. "The Symphonies of Gaetano Brunetti (ca. 1744–1798)." PhD diss., Indiana University.
- Rasch, Rudolf. 2014. "The Art of Repetition as Practiced by Luigi Boccherini in His Sonatas for Keyboard and Violin Opus 5." In *Boccherini Studies*, edited by Christian Speck, 4:291–296. Bologna: Ut Orpheus Edizioni.
- Ratner, Leonard G. 1985. *Classic Music: Expression, Form and Style*. New York: Schirmer Books.
- Raz, Carmel. 2014. "'The Expressive Organ within Us': Ether, Ethereality, and Early Romantic Ideas about Music and the Nerves." *19th-Century Music* 38 (2): 115–144. <https://doi.org/10.1525/nem.2014.38.2.115>.
- Raz, Carmel. N.d. "Of Sound Minds and Tuning Forks: Charcot's Acoustic Experiments at the Salpêtrière." Accessed December 9, 2017, at <http://musicologynow.ams-net.org/2015/10/of-sound-minds-and-tuning-forks.html>.
- Raz, Carmel and Stanley Finger. 2019. "Musical Glasses, Metal Reeds and Broken Hearts: Two Cases of Melancholia Treated by New Musical Instruments." In *The Routledge Companion to Music, Mind and Well-Being*, edited by Penelope Gouk, Jacomien Prins, James Kennaway, and Wiebke Thormahlen, 1:77–92. London: Taylor and Francis.
- Regier, Jonathan. 2014. "Kepler's Theory of Force and His Medical Sources." *Early Science and Medicine* 19 (1): 1–27.
- Rehding, Alexander. 2018. *Beethoven's Symphony No. 9*. New York: Oxford University Press.
- Reiser, Stanley Joel. 1978. *Medicine and the Reign of Technology*. Cambridge: Cambridge University Press.
- Rice, Tom. 2011. "Sounding Bodies: Medical Students and the Acquisition of Stethoscopic Perspectives." In *The Oxford Handbook of Sound Studies*, edited by Trevor Pinch and Karin Bijsterveld, 298–319. Oxford: Oxford University Press.
- Rice, Tom and Steven Feld. 2020. "Questioning Acoustemology: An Interview with Steven Feld." *Sound Studies*, <https://www.tandfonline.com/doi/full/10.1080/20551940.2020.1831154>
- Richardson, Lewis Fry. 1913a. Apparatus for Warning a Ship of Its Approach to Large Objects in a Fog. UK Patent GB191209423 (A), filed April 20, 1912, and issued March 6, 1913.
- Richardson, Lewis Fry. 1913b. Apparatus for Warning a Ship at Sea of Its Nearness to Large Objects Wholly or Partly under Water. UK Patent GB191211125 (A), filed May 10, 1912, and issued March 27, 1913.
- Richardson, Stephen A. 1957. "Lewis Fry Richardson (1881–1953): A Personal Biography." *Conflict Resolution* 1: 300–304.
- Richer, Paul. 1881. *Etudes cliniques sur l'hystéro-épilepsie ou grande hystérie*. Paris: Delahaye et Lecrosnier.
- Richet, Charles. 1884. *L'homme et l'intelligence: fragments de physiologie et de psychologie*. Paris: Alcan.
- Riedweg, Christoph. 2005. *Pythagoras: His Life, Teaching, and Influence*. Translated by Steven Rendell. Ithaca, NY: Cornell University Press.
- Riskin, Jessica. 2002. *Science in the Age of Sensibility: The Sentimental Empiricists of the French Enlightenment*. Chicago: University of Chicago Press.
- Robertson, Brian. 2009. "A Celebration of the 50th Anniversary of David Hubel and Torsten Wiesel's Receptive Fields of Single Neurones in the Cat's Striate Cortex." *Journal of Physiology* 587 (12): 2721–2732.
- Rochlitz, Friedrich. 1798. "Ueber die vermeynte Schädlichkeit des Harmonikspiels." *Allgemeine musikalische Zeitung*, November 14, 1798.
- Roe, Anne. 1953. *The Making of a Scientist*. New York: Dodd, Mead.
- Roger, Joseph-Louis. 1758. "Tentamen de vi soni et musices in corporum humanum." MD diss., Montpellier.
- Roger, Joseph-Louis. 1803. *Traité des effets de la musique sur le corps humain*. Translated by Etienne-Jules Sainte-Marie. Paris: Brunot.
- Rosen, Charles. 1998. *The Classical Style: Haydn, Mozart, Beethoven*. Exp. ed. New York: Norton.
- Rosen, Edward, trans. 2003. *Kepler's Somnium: The Dream, or Posthumous Work on Lunar Astronomy*. Mineola, NY: Dover.
- Rost, G. A. 1953. "[Samuel Hafenreffer, author of the first textbood on dermatology in German speaking countries]." *Zeitschrift Fur Haut- Und Geschlechtskrankheiten* 14 (7): 227–230.
- Roth, Michael S. 1991. "Dying of the Past: Medical Studies of Nostalgia in Nineteenth-Century France." *History and Memory* 3:5–29.

- Rothenberg, David. 2008. *Thousand Mile Song: Whale Music in a Sea of Sound*. New York: Basic Books.
- Rothman, Aviva. 2017. *The Pursuit of Harmony: Kepler on Cosmos, Confession, and Community*. Chicago: University of Chicago Press.
- Rothschild, Germaine de. 1965. *Luigi Boccherini: His Life and Work*. Translated by Andreas Mayor. London: Oxford University Press.
- Rousseau, G. S. 2004. *Nervous Acts: Essays on Literature, Culture, and Sensibility*. Houndmills, Basingstoke, Hampshire: Palgrave Macmillan.
- Ruiz Casaux y López de Carvajal, Juan Antonio. 1959. *La musica en la corte de don Carlos IV y su influencia en la vida musical española*. Madrid: Real Academia de Bellas Artes de San Fernando.
- Sala, Emilio. 1994. "Women Crazyed by Love: An Aspect of Romantic Opera." Translated by William Ashbrook. *Opera Quarterly* 10 (3): 19–41.
- Salieri, Antonio, and Leopold Auenbrugger. 1986. *Der Rauchfangkehrer*. New York: Garland.
- Sanderson, J. B. 1895. "The Electrical Response to Stimulation of Muscle, and Its Relation to the Mechanical Response." *Journal of Physiology* 18 (1–2): 117–160.
- Sarton, George. 1954. *Galen of Pergamon*. Lawrence: University of Kansas Press.
- Sarton, George. 1975. *Introduction to the History of Science*. Huntington, NY: R. E. Krieger Pub. Co.
- Scheminzy, Ferdinand. 1927. "Untersuchungen über die Verstärkung und graphische Registrierung von Schallerscheinungen über Herz und Lunge mittels Elektronenröhren; Konstruktion eines Elektrostethoskops." *Zeitschrift für die gesamte experimentelle Medizin* 57 (1): 470–501.
- Schleiner, Winfried. 1991. *Melancholy, Genius, and Utopia in the Renaissance*. Wiesbaden: Otto Harrassowitz.
- Schmidgen, Henning. 2014. *The Helmholtz Curves: Tracing Lost Time*. Translated by Nils F. Schott. New York: Fordham University Press.
- Schmidt, Matthias. 2003. "Das Andere der Aufklärung: Zur Kompositionästhetik von Mozarts Glasharmonika-Quintett KV 617." *Archiv für Musikwissenschaft* 60:279–302.
- Schechner, Sara. 1997. *Comets, Popular Culture, and the Birth of Modern Cosmology*. Princeton, NJ: Princeton University Press.
- Schoon, Andi, and Axel Volmar, eds. 2012. *Das geschulte Ohr: Eine Kulturgeschichte der Sonifikation*. Bielefeld: transcript-verlag.
- Schumacher, Joseph. 1963. *Antike Medizin; die naturphilosophischen Grundlagen der Medizin in der griechischen Antike*. 2nd ed. Berlin: De Gruyter.
- Schumacher, Joseph. 1965. *Die Anfänge abendländischer Medizin in der griechischen Antike*. Stuttgart: W. Kohlhammer.
- Schwan, Christian Friedrich, Leopold Auenbrugger, Christian Lichtenberg, Josef Franz von Göz, and Johann Gottlieb Stephanie der Jüngere. 1986. *Librettos IV*. New York: Garland.
- Schwartz, Hillel. 2011. *Making Noise: From Babel to the Big Bang and Beyond*. Brooklyn, NY: Zone Books.
- Serao, Francesco. 1742. *Della tarantola o sia falangio di Puglia lezioni accademiche*. Naples.
- Serban, Andrei. N.d. *Natalie Dessay: Lucia in Paris*. Accessed July 21, 2019, at <http://video.alexanderstreet.com/watch/natalie-dessay-lucia-in-paris>.
- Seta, Fabrizio della, Nino Pirrotta, and Franco Piperno. 1989. *In cantu et in sermone*. Florence: L. S. Olschki.
- Shams, Qamar A., Allan J. Zuckerwar, and Albert L. Dimarcantonio. 2016. Infrasonic Stethoscope for Monitoring Physiological Processes. US Patent 20160095571A1, filed March 16, 2015, and issued April 7, 2016.
- Shorter, Edward. 2008. *From Paralysis to Fatigue: A History of Psychosomatic Illness in the Modern Era*. New York: Simon and Schuster.
- Sigerist, Henry E. 1948. "The Story of Tarantism." In *Music and Medicine*, edited by Dorothy M. Schullian and Max Schoen, 96–116. New York: H. Schuman.
- Silvas, Anna. 1999. *Jutta and Hildegard: The Biographical Sources*. University Park: Penn State Press.
- Singer, Charles. 1926. *The Evolution of Anatomy*. New York: Knopf.
- Singh, Siddharth, and Abha Goyal. 2007. "The Origin of Echocardiography." *Texas Heart Institute Journal* 34 (4): 431–438.

- Siraisi, Nancy G. 1975. "The Music of Pulse in the Writings of Italian Academic Physicians (Fourteenth and Fifteenth Centuries)." *Speculum* 50:689–710.
- Siraisi, Nancy G. 1990. *Medieval and Early Renaissance Medicine: An Introduction to Knowledge and Practice*. Chicago: University of Chicago Press.
- Smith, Alexis B. 2016. "Ritter's Musical Blood Flow through Hoffmann's Kreisler." In *The Early History of Embodied Cognition 1740–1920: The Lebenskraft-Debate and Radical Reality in German Science, Music, and Literature*, edited by John McCarthy, Stephanie M. Hilger, Heather I. Sullivan, and Nicholas Saul, 145–162. Leiden: Brill.
- Snellen, H. A. 1994. *Willem Einthoven (1860–1927) Father of Electrocardiography: Life and Work, Ancestors and Contemporaries*. Dordrecht: Springer Netherlands.
- Solar-Quintes, Nicolás. 1947. "Nuevos documentos sobre Luigi Boccherini." *Anuario Musical* 2:81.
- "Sonification." N.d. Chris Chafe. Accessed June 7, 2020, at <http://chrischafe.net/portfolio/sonification-2/>.
- Spallanzani, Lazzaro. 1941. "Letters on a Suspected New Sense in Bats." Translated by Dale McAdoo. MCZ Archives, Harvard.
- Spallanzani, Lazzaro, and Anton Maria Vassalli. 1794. *Lettere sopra il sospetto di un nuovo senso nei pipistrelli dell'abate Lazzaro Spallanzani . . . con le risposte dell'abate Antonmaria Vassalli*. Turin: Stamperia Reale.
- Staden, Heinrich von. 1989. *Herophilus: The Art of Medicine in Early Alexandria*. Cambridge: Cambridge University Press.
- Starobinski, Jean. 1966. "The Idea of Nostalgia." *Diogenes* 53:81–103.
- Steege, Benjamin. 2011. "Janáček's Chronoscope." *Journal of the American Musicological Society* 64 (3): 647–687.
- Steege, Benjamin. 2012. *Helmholtz and the Modern Listener*. Cambridge: Cambridge University Press.
- Steinke, Hubert. 2005. *Irritating Experiments: Haller's Concept and the European Controversy on Irritability and Sensibility, 1750–90*. Amsterdam: Rodopi.
- Stephenson, Bruce. 1994. *The Music of the Heavens: Kepler's Harmonic Astronomy*. Princeton, NJ: Princeton University Press.
- Sterne, Jonathan. 2003. *The Audible Past: Cultural Origins of Sound Reproduction*. Durham, NC: Duke University Press.
- Sterne, Jonathan, and Mitchell Akiyama. 2012. "The Recording That Never Wanted to Be Heard and Other Stories of Sonification." In *The Oxford Handbook of Sound Studies*, edited by Trevor Pinch and Karin Bijsterveld, 544–560. Oxford: Oxford University Press.
- Stirling, William. 1888. *Outlines of Practical Physiology*. London: Charles Griffin & Co.
- Stock, John T. 2004. "Gabriel Lippmann and the Capillary Electrometer." *Bulletin of the History of Chemistry* 29 (1): 16–20.
- Strunk, W. Oliver, and Leo Treitler, eds. 1998. *Source Readings in Music History*. New York: Norton.
- Supper, Alexandra. 2012. *Lobbying for the Ear: The Public Fascination with and Academic Legitimacy of the Sonification of Scientific Data*. Maastricht: Universitaire Pers Maastricht.
- Sweet, Victoria. 2006. *Rooted in the Earth, Rooted in the Sky: Hildegard of Bingen and Premodern Medicine*. New York: Routledge.
- Swieten, Gerard van. 1754. *The Commentaries upon the Aphorisms of Dr. Herman Boërhaave*. London.
- Sykes, Ingrid. 2014. *Society, Culture and the Auditory Imagination in Modern France: The Humanity of Hearing*. Houndmills, Basingstoke, Hampshire: Palgrave Macmillan.
- Tarchanow, J. 1878. "Das Telephon als Anzeiger der Nerven- und Muskelströme beim Menschen und den Thieren." *St. Petersburger medicinische Wochenschrift* 3:353–354.
- Tarchanow, J. 1879. "Das Telephon im Gebiete der thierischen Electricität." *St. Petersburger medicinische Wochenschrift* 4:93–95.
- Tartini, Giuseppe. 1754. *Trattato di musica seconda la vera scienza dell'armonia*. Padova.
- Tavakolian, Kouhyar, Brandon Ngai, Andrew P. Blaber, and Bozena Kaminska. 2011. "Infrasonic Cardiac Signals: Complementary Windows to Cardiovascular Dynamics." In *Conference Proceedings . . . of the Annual*

- International Conference of the IEEE Engineering in Medicine and Biology Society. IEEE Engineering in Medicine and Biology Society. Annual Conference*, 4275–4278. Piscataway, NJ: IEEE.
- Tavel, Morton E. 1996. “Cardiac Auscultation: A Glorious Past—But Does It Have a Future?” *Circulation* 93 (6): 1250–1253.
- Temkin, Owsei. 1964. “The Classical Roots of Glisson’s Doctrine of Irritation.” *Bulletin of the History of Medicine* 38:297–328.
- Temple, Mark D. 2017. “An Auditory Display Tool for DNA Sequence Analysis.” *BMC Bioinformatics* 18 (1):221. <https://doi.org/10.1186/s12859-017-1632-x>.
- Temple, Mark D. N.d. “DNA Sonification.” Accessed June 13, 2020, at <http://dnasonification.org>.
- Temple, Mark D. 2020. “Real-Time Audio and Visual Display of the Coronavirus Genome.” *BMC Bioinformatics* 29 (1): 431.
- “The Nobel Prize in Physiology or Medicine 1932.” N.d.a. NobelPrize.Org. Accessed March 1, 2020. <https://www.nobelprize.org/prizes/medicine/1932/adrian/lecture/>.
- “The Nobel Prize in Physiology or Medicine 1981.” N.d.b. NobelPrize.Org. Accessed May 21, 2020. <https://www.nobelprize.org/prizes/medicine/1981/hubel/lecture/>.
- Thompson, Emily Ann. 2002. *The Soundscape of Modernity: Architectural Acoustics and the Culture of Listening in America, 1900–1933*. Cambridge, MA: MIT Press.
- Thoreau, Henry David. 1993. *A Year in Thoreau’s Journal, 1851*. Edited by H. Daniel Peck. New York: Penguin Books.
- Thoren, Victor E. 1990. *The Lord of Uraniborg: A Biography of Tycho Brahe*. Cambridge: Cambridge University Press.
- Thorndike, Lynn. 1923. *A History of Magic and Experimental Science*. New York: Columbia University Press.
- Tiersot, Julien. 1908. *Les fêtes et les chants de la révolution française*. Paris: Hachette.
- Tkaczyk, Viktoria, Mara Mills, and Alexandra Hui, eds. 2020. *Testing Hearing: The Making of Modern Aural-ity*. Oxford: Oxford University Press.
- Tomlinson, Gary. 1993. *Music in Renaissance Magic: Toward a Historiography of Others*. Chicago: University of Chicago Press.
- Trippett, David. 2018. “Music and the Transhuman Ear: Ultrasonics, Material Bodies, and the Limits of Sensation.” *Musical Quarterly* 100 (2): 199–261.
- Trippett, David. 2019. “Sound as Hermeneutic, or Helmholtz and the Quest for Objective Perception.” *19th-Century Music* 43 (2): 99–120. <https://doi.org/10.1525/ncm.2019.43.2.99>.
- Trippett, David, and Benjamin Walton, eds. 2019. *Nineteenth-Century Opera and the Scientific Imagination*. Cambridge: Cambridge University Press.
- Turing, A. M. 1950. “Programmers’ Handbook for Manchester Electronic Computer Mark II. Computing Machine Laboratory. University of Manchester.” 1950. http://www.alanturing.net/programmers_handbook/.
- Ullersperger, Johann Baptist. 1871. *Die Geschichte der Psychologie und der Psychiatrik in Spanien von den ältesten Zeiten bis zur Gegenwart*. Würzburg: Stuber.
- Valletta, Ludovico. 1706. *De phalangio apulo opusculum*. Naples: de Bonis.
- Vecchi, G. 1967. “Medicina e musica, voci e strumenti nel ‘Conciliator’ (1303) di Pietro da Abano.” *Quadrivium* 8:5–22.
- Verworn, Max. 1913. *Irritability*. New Haven, CT: Yale University Press.
- Vesalius, Andreas. 1964. *De humani corporis fabrica libri septem*. Brussels: Culture et Civilisation.
- Vesalius, Andreas. 1969. *The Epitome of Andreas Vesalius*. Translated by L. R. Lind. Cambridge, MA: MIT Press.
- Vesalius, Andreas. 1998. *On the Fabric of the Human Body. Book I*. Translated by William Frank Richardson and John Burd Carman. San Francisco: Norman Pub.
- Vesalius, Andreas. 2002. *On the Fabric of the Human Body Books III and IV*. Translated by William Frank Richardson and John Burd Carman. Novato, CA: Norman Pub.

- Vescovini, Graziella Federici. 1987. "Peter of Abano and Astrology." In *Astrology, Science, and Society: Historical Essays*, edited by Patrick Curry, 19–39. Woodbridge, Suffolk: Boydell Press.
- Vieussens, Raymond. 1715. *Traité nouveau de la structure et des causes du mouvement naturel du coeur*. Avignon.
- Vila, Anne C. 1998. *Enlightenment and Pathology: Sensibility in the Literature and Medicine of Eighteenth-Century France*. Baltimore, MD: Johns Hopkins University Press.
- Viviers, Pierre L., Jo-Anne H. Kirby, Jeandré T. Viljoen, and Wayne Derman. 2017. "The Diagnostic Utility of Computer-Assisted Auscultation for the Early Detection of Cardiac Murmurs of Structural Origin in the Periodic Health Evaluation." *Sports Health* 9 (4): 341–345.
- Vogel, C. J. de. 1966. *Pythagoras and Early Pythagoreanism: An Interpretation of Neglected Evidence on the Philosopher Pythagoras*. Assen, The Netherlands: Van Gorcum.
- Vogel, Stephan. 1993. "Sensations of Tone, Perception of Sound, and Empiricism." In *Hermann von Helmholtz and the Foundations of Nineteenth-Century Science*, edited by David Cahan, 259–287. Berkeley: University of California Press.
- Volmar, Axel. 2012. "Klang-Experimente: eine Geschichte der auditiven Kultur der Naturwissenschaften seit 1800." PhD diss., University of Siegen.
- Volmar, Axel. 2013. "Listening to the Cold War: The Nuclear Test Ban Negotiations, Seismology, and Psychoacoustics, 1958–1963." *Osiris* 28:80–102.
- Volmar, Axel. 2013b. "Sonic Facts for Sound Arguments: Medicine, Experimental Physiology, and the Auditory Construction of Knowledge in the 19th Century." *Journal of Sonic Studies* 4 (1). <http://journal.sonicstudies.org/vol04/nr01/a13>.
- Volmar, Axel. 2015. *Klang-Experimente: Die auditive Kultur der Naturwissenschaften, 1761–1961*. Frankfurt am Main: Campus.
- Volmar, Axel. 2018. "Experiencing High Fidelity: Sound Reproduction and the Politics of Music Listening in the Twentieth Century." In *The Oxford Handbook of Music Listening in the 19th and 20th Centuries*, edited by Christian Thoraue and Hansjakob Ziemer, 395–412. Oxford: Oxford University Press.
- Volmar, Axel. N.d. "Listening to the Body Electric. Electrophysiology and the Telephone in the Late 19th Century." Accessed May 1, 2020, at <http://vlp.mpiwg-berlin.mpg.de/pdfgen/essays/art76.pdf>.
- Walker, D. P. 1975. *Spiritual and Demonic Magic: From Ficino to Campanella*. Notre Dame, IN: University of Notre Dame Press.
- Walker, D. P. 1978. *Studies in Musical Science in the Late Renaissance*. London: Warburg Institute, University of London.
- Walker, D. P. 1985. *Music, Spirit, and Language in the Renaissance*. Edited by Penelope Gouk. London: Variorum Reprints.
- Walker-Meikle, Kathleen. 2014. "Toxicology and Treatment: Medical Authorities and Snake-Bite in the Middle Ages." *Korot* 22:85–104.
- Wallace, Wes. 2003. "The Vibrating Nerve Impulse in Newton, Willis and Gassendi: First Steps in a Mechanical Theory of Communication." *Brain and Cognition* 51:66–94.
- Walmsley, Donald Munro. 1967. *Anton Mesmer*. London: Hale.
- Warner Classics. 2014. "Diana Damrau Sings *Lucia di Lammermoor* Mad Scene Live." November 7, 2014. https://www.youtube.com/watch?v=BEM3bvdNS_g.
- Wedensky, N. E. 1883. "Ueber die telephonischen Erscheinungen im Muskel bei künstlichem und natürlichem Tetanus." *Archiv für Physiologie*, 313–325.
- Wedensky, N. E. 1900. "Die fundamentalen Eigenschaften des Nerven unter Einwirkung einiger Gifte." *Pflügers Archiv für die gesammte Physiologie des Menschen und der Thiere* 82:134–191.
- Wellmann, Janina. 2017. *The Form of Becoming: Embryology and the Epistemology of Rhythm, 1760–1830*. New York: Zone Books.
- West, M. L. 1992. *Ancient Greek Music*. Oxford: Clarendon Press.
- White, S. Young. 1948. "Applications of Ultrasonics to Biology." *Audio Engineering* 32 (6): 30, 42–45.

- Williams, Elizabeth Ann. 1994. *The Physical and the Moral: Anthropology, Physiology, and Philosophical Medicine in France, 1750–1850*. Cambridge: Cambridge University Press.
- Williams, Elizabeth Ann. 2003. *A Cultural History of Medical Vitalism in Enlightenment Montpellier*. Aldershot: Ashgate.
- Willis, Martin. 2006. *Mesmerists, Monsters, and Machines: Science Fiction and the Cultures of Science in the Nineteenth Century*. Kent, OH: Kent State University Press.
- Willis, Thomas. 1674. *De anima brutorum quae hominis vitalis ac sensitiva est, exercitationes duae*. Amsterdam: Apud Joannem à Someren.
- Willis, Thomas. 1681. *The Remaining Medical Works of That Famous and Renowned Physician Dr. Thomas Willis*. London: T. Dring.
- Willis, Thomas. 1683. *Two Discourses Concerning the Soul of Brutes*. Translated by S. Pordage. London: Thomas Dring.
- Wiltshire, John. 2019. *Frances Burney and the Doctors*. Cambridge: Cambridge University Press.
- Winthrop-Young, Geoffrey. 2002. “Drill and Distraction in the Yellow Submarine: On the Dominance of War in Friedrich Kittler’s Media Theory.” *Critical Inquiry* 28 (4): 825–854.
- Wise, M. Norton. 1997. *The Values of Precision*. Princeton, NJ: Princeton University Press.
- Wittern, Reante. 1989. “Die Wechselfieber bei Galen.” *History and Philosophy of the Life Sciences* 11: 3–22.
- Wolf, Rebecca. 2015. “The Sound of Glass: Transparency and Danger.” In *Performing Knowledge, 1750–1850*, edited by Mary Helen Dupree and Sean B. Franzel, 113–136. Berlin: De Gruyter.
- Wollaston, William Hyde. 1810. “The Croonian Lecture.” *Philosophical Transactions of the Royal Society of London* 100:1–15.
- Wollaston, William Hyde. 1812. “Ueber die Wirkungsart der Muskeln.” *Annalen der Physik* 40:31–47.
- Zeitler, William. 2013. *The Glass Armonica—the Music and the Madness*. San Bernardino, CA: Musica Arcana.
- Zhmod, Leonid. 2014. “Sixth-, Fifth-, and Fourth-Century Pythagoreans.” In *A History of Pythagoreanism*, edited by Carl A. Huffman, 88–111. Cambridge: Cambridge University Press.
- Zühlke, L., L. Myer, and B. M. Mayosi. 2012. “The Promise of Computer-Assisted Auscultation in Screening for Structural Heart Disease and Clinical Teaching.” *Cardiovascular Journal of Africa* 23 (7): 405–408.

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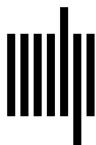
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