

HPSCGA22: Early modern science

[View Online](#)

1

Shank MH. That the Medieval Christian church suppressed the growth of science. Galileo goes to jail, and other myths about science and religion. Cambridge, Mass: Harvard University Press 2009:19–27.

2

Kibre P, Siraisi NG. The institutional setting: the universities. Science in the Middle Ages. Chicago: University of Chicago Press 1978:120–44.

3

Dear P. Chapter 2 - Humanism and ancient wisdom: How to learn things in the sixteenth century. Revolutionizing the sciences: European knowledge and its ambitions, 1500–1700. Basingstoke: Palgrave 2001:30–48.

4

Paula Findlen. Jokes of Nature and Jokes of Knowledge: The Playfulness of Scientific Discourse in Early Modern Europe. Renaissance Quarterly. 1990;43:292–331. doi: 10.2307/2862366

5

Moran, Bruce. 'Courts and Academies'. 2008.

6

Biagioli M. Galileo's System of Patronage. *History of Science*. 1990;28:1–62.

7

Werrett, Simon. Chapter 2: Philosophies of fire: pyrotechny as alchemy, magic and mechanics. *Fireworks: pyrotechnic arts and sciences in European history*. Chicago: University of Chicago Press 2010:47–72.

8

Werrett, Simon. Wonders Never Cease: Descartes's 'Météores' and the Rainbow Fountain. *The British Journal for the History of Science*. ;Vol. 34:129–47.

9

Steven Shapin. The House of Experiment in Seventeenth-Century England. *Isis*. 1988;79:373–404.

10

Wilson, Catherine. Visual Surface and Visual Symbol: The Microscope and the Occult in Early Modern Science. *Journal of the History of Ideas*. ;49:85–108.

11

Dobbs, B. J. T. Newton's Alchemy and His Theory of Matter. *Isis*. ;73:511–28.

12

David Kubrin. Newton and the Cyclical Cosmos: Providence and the Mechanical Philosophy. *Journal of the History of Ideas*. ;28:325–46.

13

Schaffer S. Natural Philosophy and Public Spectacle in the Eighteenth Century. *History of Science*. 1983;21:1–43. doi: 10.1177/007327538302100101

14

Schiebinger L. 'The Philosopher's Beard: Women and Gender in Science'. 2008.

15

Delbourgo J. Sir Hans Sloane's Milk Chocolate and the Whole History of Cacao.

16

Iliffe R. "Science and Voyages of Discovery". 2008.

17

Roberts L. The death of the sensuous chemist: The 'new' chemistry and the transformation of sensuous technology. *Studies In History and Philosophy of Science Part A*. 1995;26:503-29. doi: 10.1016/0039-3681(95)00013-5

18

David Philip Miller. The Usefulness of Natural Philosophy: The Royal Society and the Culture of Practical Utility in the Later Eighteenth Century. *The British Journal for the History of Science*. 1999;32:185-201.

19

Grant E. *Physical science in the Middle Ages*. Cambridge: Cambridge University Press 1977.

20

Grant E. *A Source book in Medieval Science*. Cambridge, MA: Harvard University Press 1974.

21

Lindberg DC. *The beginnings of western science: the European scientific tradition in philosophical, religious, and institutional context, prehistory to A.D. 1450*. 2nd ed. Chicago:

University of Chicago Press 2007.

22

Bartlett R. The natural and the supernatural in the Middle Ages: the Wiles lecture given at the Queen's University of Belfast, 2006. Cambridge: Cambridge University Press 2008.

23

Kieckhefer R. Magic in the Middle Ages. 2nd ed. Cambridge: Cambridge University Press 2014.

24

Ferngren GB. Science and religion: a historical introduction. Baltimore, Md: Johns Hopkins University Press 2002.

25

Westman, Robert S. The Copernican question: prognostication, skepticism, and celestial order. Berkeley: University of California Press 2011.

26

Cunningham A. The anatomical renaissance: the resurrection of the anatomical projects of the ancients. Aldershot: Scolar 1997.

27

Kraye J, editor. The Cambridge Companion to Renaissance Humanism. Cambridge: Cambridge University Press 1996.

28

Kristeller PO. Renaissance thought: the classic, scholastic, and humanistic strains. A rev. and enl. ed. of "The classics and Renaissance thought.". New York: Harper 1961.

29

Debus AG. Man and nature in the Renaissance. Cambridge: Cambridge University Press 1978.

30

Foucault, Michel. The order of things: an archaeology of the human sciences. London: Routledge 2002.

31

Porta G della. Natural Magick. London: printed for John Wright next to the sign of the Globe in Little-Britain 1669.

32

Galilei G, Van Helden A. Sidereus nuncius: or, The Sidereal messenger. Chicago: University of Chicago Press 1989.

33

Daston L. Curiosity in early modern science. Word & Image. 1995;11:391-404. doi: 10.1080/02666286.1995.10435928

34

Pamela H. Smith. Alchemy as a Language of Mediation at the Habsburg Court. Isis. 1994;85:1-25.

35

Azzolini M. The duke and the stars: astrology and politics in Renaissance Milan. Cambridge, Mass: Harvard University Press 2013.

36

Biagioli M. Galileo, courtier: the practice of science in the culture of absolutism. Chicago:

University of Chicago Press 1993.

37

Smith PH. The body of the artisan: art and experience in the scientific revolution. Chicago: University of Chicago Press 2004.

38

Gaukroger S. Descartes: an intellectual biography. Oxford: Oxford University Press 1995.

39

Merchant C. The death of nature: women, ecology, and the scientific revolution. New York: HarperCollins 1989.

40

Shea WR. The magic of numbers and motion: the scientific career of René Descartes. 1st ed. Canton, MA: Science History Publications 1991.

41

Bacon F, R. H. New Atlantis. London: Printed for John Crooke 1660.

42

Martin J. Francis Bacon, the State and the Reform of Natural Philosophy. Cambridge: Cambridge University Press 1991.

43

Gaukroger S. Francis Bacon and the transformation of early-modern philosophy. Cambridge, U.K.: Cambridge University Press 2001.

44

Cottingham J, editor. *The Cambridge Companion to Descartes*. Cambridge: Cambridge University Press 1992.

45

Hooke R. *Micrographia: or Some physiological descriptions of minute bodies made by magnifying glasses: With observations and inquiries thereupon*. By R. Hooke, Fellow of the Royal Society. London: printed for John Martyn, printer to the Royal Society, and are to be sold at his shop at the Bell a little without Temple Barr .

46

Boyle R. *New experiments physico-mechanical, touching the air*. The third edition : whereunto is added a defence of the author's explication of the experiments, against the objections of Franciscus Linus and, Thomas Hobbs. [London: Printed by Miles Flesher for Richard Davis, bookseller in Oxford 1682.

47

Van Helden, Albert. *The Telescope in the Seventeenth Century*. *Isis*. ;65:38–58.

48

Review by: Deborah Jean Warner. *What Is a Scientific Instrument, When Did It Become One, and Why?* *The British Journal for the History of Science*. ;23:83–93.

49

Bennett, Jim. *Presidential Address: Knowing and Doing in the Sixteenth Century: What Were Instruments For?* *The British Journal for the History of Science*. ;36:129–50.

50

Hankins, Thomas L., Silverman, Robert J. *Instruments and the imagination*. Princeton, N.J: Princeton University Press 1995.

51

Pamela H. Smith. 'Laboratories'. 2008.

52

Newton I, Cohen IB, Westfall RS. Newton: texts, backgrounds, commentaries. 1st ed. New York, NY: W.W. Norton 1995.

53

Fauvel J. Let Newton be! Oxford: Oxford University Press 1988.

54

Fara P. Newton: the making of a genius. London: Macmillan 2002.

55

Iliffe R. Newton: a very short introduction. Oxford: Oxford University Press 2007.

56

Koyré, Alexandre. Newtonian studies. London: Chapman & Hall 1965.

57

Westfall RS. Never at Rest: A Biography of Isaac Newton. Cambridge: Cambridge University Press 1981.

58

Heilbron, J. L. The case of electricity. Elements of early modern physics. Berkeley: University of California Press 1982:159–240.

59

Stewart, Larry. Public Lectures and Private Patronage in Newtonian England. *Isis*. ;77:47–58.

60

Euler L. Letters of Euler to a German princess, on different subjects in physics and philosophy. Translated from the French by Henry Hunter, D.D. With original notes, and a glossary of foreign and scientific terms. In two volumes. London: printed for the translator, and for H. Murray 1795.

61

Fara P. 'Marginalized Practices'. 2008.

62

Outram, Dorinda. *The Enlightenment*. 3rd ed. Cambridge: Cambridge University Press 2013.

63

Findlen, Paula. Science as a Career in Enlightenment Italy: The Strategies of Laura Bassi. *Isis*. ;84:441–69.

64

Sutton GV. *Science for a polite society: gender, culture, and the demonstration of enlightenment*. Boulder, Colo: Westview Press 1995.

65

Lynn M. *Popular science and public opinion in eighteenth-century France*. Manchester: Manchester University Press 2006.

66

Sivasundaram S. *Sciences and the Global: On Methods, Questions, and Theory*. *Isis*. 2010;101:146–58. doi: 10.1086/652694

67

Stewart L. 'Global Pillage'. 2008.

68

Raj K. Relocating modern science: circulation and the construction of scientific knowledge in South Asia and Europe, seventeenth to nineteenth centuries. Basingstoke: Palgrave Macmillan 2007.

69

Fara, Patricia. Sex, botany & empire: the story of Carl Linnaeus and Joseph Banks. New York: Columbia University Press 2003.

70

Schaffer, Simon. The brokered world: go-betweens and global intelligence, 1770-1820. Sagamore Beach, Mass: Science History Publications 2009.

71

Safier N. Measuring the new world: enlightenment science and South America. Chicago: University of Chicago Press 2008.

72

Golinski J. 'Chemistry'. 2008.

73

Golinski J. Science as public culture: chemistry and enlightenment in Britain, 1760-1820. Cambridge: Cambridge University Press 1992.

74

Crosland, M. Chemistry and the chemical revolution. The Ferment of knowledge: studies in the historiography of eighteenth-century science. Cambridge: Cambridge University Press 1980:389–416.

75

Priestley J. Experiments and observations on different kinds of air: Vol. II. By Joseph Priestley. The second edition. London: printed for J. Johnson 1776.

76

Lavoisier AL. Elements of chemistry: in a new systematic order. Edinburgh: printed for William Creech, and sold in London by G. G. and J. J. Robinsons 1790.

77

Mokyr, Joel. The Intellectual Origins of Modern Economic Growth. The Journal of Economic History. ;65:285–351.

78

Musson AE, Robinson E. Science and technology in the Industrial Revolution. Manchester: Manchester U.P 1969.

79

Jacob MC, Stewart L. Practical matter: Newton's science in the service of industry and empire, 1687-1851. Cambridge, Mass: Harvard University Press 2004.