

1. Record Nr.	UNINA9910808643303321
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Titolo	Galileo : watcher of the skies // David Wootton
Pubbl/distr/stampa	New Haven, Connecticut : , : Yale University Press, , 2013 ©2010
ISBN	0-300-17006-8
Descrizione fisica	1 online resource (357 p.)
Disciplina	520.92
Soggetti	Astronomers - Italy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front matter -- Contents -- Illustrations -- Acknowledgements -- Introduction: Conjectural history -- 1. His father's son -- 2. Florence -- 3. Galileo's lamp -- 4. Eureka! -- 5. Seeing is believing -- 6. A friend in need -- 7. Juvenilia -- 8. The Leaning Tower -- 9. Inertia -- 10. Nudism -- 11. Copernicanism -- 12. Money -- 13. Fields of fire -- 14. The experimental method -- 15. The telescope -- 16. Mother -- 17. The Starry Messenger -- 18. Florence and buoyancy -- 19. Jesuits and the new astronomy -- 20. Sunspots -- 21. The Catholic scientist -- 22. Copernicus condemned -- 23. Comets -- 24. The death of Gianfrancesco Sagredo -- 25. Urban VIII -- 26. Family ties -- 27. Permission to publish -- 28. Alessandra Buonamici -- 29. A river floods -- 30. Publication -- 31. The Dialogue -- 32. Maria Celeste and Arcetri -- 33. Trial -- 34. The Two New Sciences -- 35. Vincenzo, son of Galileo -- 36. Galileo's (un)belief -- 37. The cosmography of the self -- Coda: Galileo, history and the historians -- Notes -- Bibliography -- Index
Sommario/riassunto	Galileo (1564-1642) is one of the most important and controversial figures in the history of science. A hero of modern science and key to its birth, he was also a deeply divided man: a scholar committed to the establishment of scientific truth yet forced to concede the importance of faith, and a brilliant analyst of the elegantly mathematical workings of nature yet bungling and insensitive with his own family. Tackling Galileo as astronomer, engineer, and author, David Wootton places him

at the center of Renaissance culture. He traces Galileo through his early rebellious years; the beginnings of his scientific career constructing a "new physics"; his move to Florence seeking money, status, and greater freedom to attack intellectual orthodoxies; his trial for heresy and narrow escape from torture; and his house arrest and physical (though not intellectual) decline. Wootton reveals much that is new-from Galileo's premature Copernicanism to a previously unrecognized illegitimate daughter-and, controversially, rejects the long-established orthodoxy which holds that Galileo was a good Catholic. Absolutely central to Galileo's significance-and to science more broadly-is the telescope, the potential of which Galileo was the first to grasp. Wootton makes clear that it totally revolutionized and galvanized scientific endeavor to discover new and previously unimagined facts. Drawing extensively on Galileo's voluminous letters, many of which were self-censored and sly, this is an original, arresting, and highly readable biography of a difficult, remarkable Renaissance genius.

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