1. Record Nr. UNINA9910677426903321

Autore	Cook Robert F (Independent scientist)
Titolo	Particle strengths : extreme value distributions in fracture / / Robert F. Cook
Pubbl/distr/stampa	Hoboken, New Jersey : , : Wiley : , : American Ceramic Society, , [2023] ©2023
ISBN	1-119-85096-7 1-119-85094-0
Descrizione fisica	1 online resource (411 pages)
Disciplina	620.43
Soggetti	Strength of materials Particle dynamics Materials science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction to particles and particle loading -- Particles in diametral compression -- Flaw populations -- Strength distributions -- Survey of extended component strength distributions -- Survey of particle strength distributions -- Stochastic scaling of particle strength distributions -- Case study : strength evolution in ceramic particles -- Deterministic scaling of particle strength distributions -- Agglomerate particle strengths -- Compliant particles -- Fracture mechanics of particle strengths -- Applications and scaling of particle strengths.
Sommario/riassunto	"This book is concerned with strengths and strength distributions of particles. As such, it is a much altered and expanded version of a review of the subjects published on-line several years earlier. The goal now, as then, is to present a comprehensive, unified, and objective view of particle strength measurements and the analyses required to interpret and apply the results of such measurements"--

2. Record Nr. UNINA9910254785503321

Titolo	Boundaries, Extents and Circulations : Space and Spatiality in Early Modern Natural Philosophy / / edited by Koen Vermeir, Jonathan Regier
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-41075-X
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (XI, 273 p. 15 illus.)
Collana	Studies in History and Philosophy of Science, , 0929-6425 ; ; 41
Disciplina	111.850947
Soggetti	History Philosophy Philosophy and science History of Science History of Philosophy Philosophy of Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	1. Jonathan Regier and Koen Vermeir, Boundaries, Extents and Circulations, Spatiality and the Early Modern Concept of Space. An introduction -- 2. Roger Ariew, Leibniz and the Petrifying Virtue of the Place -- 3. Vincenzo de Risi, Francesco Patrizi and the New Geometry of Space -- 4. Jean Seidengart, The Inception of the Concept of Infinite Physical Space in the Time of Copernicus and Giordano Bruno -- 5. Delphine Bellis, The Perception of Spatial Depth in Kepler's and Descartes' Optics -- 6. Mihnea Dobre, Experimental Cartesianism and the Problem of Space -- 7. Thibaut Maus de Rolley, Putting the Devil on the Map: Demonology and Cosmography in the Renaissance -- 8. Alessandro Scafi, All Space Will Pass Away: The Spiritual, Spaceless and Incorporeal Heaven of Valentin Weigel (1533-1588) -- 9. Dana Jalobeanu, Francis Bacon's Experimental Construction of "Space" -- 10. Luc Peterschmitt, The Circulating Structure of Space in the 17th century Chemical Tradition.
Sommario/riassunto	This volume is an important re-evaluation of space and spatiality in the late Renaissance and early modern period. History of science has

generally reduced sixteenth and seventeenth century space to a few canonical forms. This volume gives a much needed antidote. The contributing chapters examine the period's staggering richness of spatiality: the geometrical, geographical, perceptual and elemental conceptualizations of space that abounded. The goal is to begin to reconstruct the amalgam of "spaces" which co-existed and cross-fertilized in the period's many disciplines and visions of nature. Our volume will be a valuable resource for historians of science, philosophy and art, and for cultural and literary theorists.