1. Record Nr. UNISA996418164003316

Autore	Chen Feng
Titolo	Ion Irradiation of Dielectrics for Photonic Applications [[electronic resource] /] / by Feng Chen, Hiroshi Amekura, Yuechen Jia
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2020
ISBN	981-15-4607-X
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (298 pages) : illustrations
Collana	Springer Series in Optical Sciences, , 0342-4111 ; ; 231
Disciplina	519.57
Soggetti	Lasers Photonics Nanoscale science Nanoscience Nanostructures Optical materials Electronic materials Technology Optics, Lasers, Photonics, Optical Devices Nanoscale Science and Technology Optical and Electronic Materials Applied Science, multidisciplinary
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Fundamentals of Waveguides and Nanoparticle Systems -- Overview of Ion Beam Produced Dielectric Waveguides -- Photonic Structures Produced by Ion Beams -- Synthesis of Nanoparticles by Ion Implantation -- Elongation for Nanorods and Optical Effects -- Electrooptic Properties of Dielectric Waveguides -- Photoluminescence of Dielectric Waveguides -- Nonlinear Optical Dielectric Waveguides -- Lasing Based Dielectric Waveguides -- Tailoring of Optical Properties by Nanoparticles -- Summary and Outlook.
Sommario/riassunto	This book focuses on the fundamentals, technologies and properties of ion irradiation of dielectric materials (e.g. glasses, crystals) with regard to various photonic applications. It introduces readers to diverse ion-

	beam techniques for the fabrication and modification of micron- or nanoscale photonic structures, including optical waveguides, photonic crystals, and nanoparticle (nano-spheres and nano-rods) systems, and presents state-of-the-art advances in this multi-disciplinary research field, demonstrating the unique capabilities of ion-beam technologies in optical dielectric materials processing. The book discusses in detail the properties of ion-beam processed waveguides, as well as the modification of dielectrics for photonic applications, such as electro-optic modulation, nonlinear frequency conversion, waveguide amplification and lasing. It also explores synthesis and the correlated optical effects of nanoparticles by ion beams, and features examples of successful micro- and nano-photonic devices. Given its breadth of coverage, the book will particularly appeal to readers interested in ion-beam technology, materials science, and integrated optics.

2.

Record Nr.	UNINA9910788018303321
Autore	Griffiths Bruce <1938->
Titolo	Competencies at work : providing a common language for talent management / / Bruce Griffiths, Enrique Washington
Pubbl/distr/stampa	New York, NY : , : Business Expert Press, , 2015
Edizione	[First edition.]
Descrizione fisica	1 online resource (114 p.)
Collana	Human Resource Management and Organizational Behavior Collection
Disciplina	658.3125
Soggetti	Employees - Rating of Personnel management Competency-based education
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 (pages 83-88) and index.
Nota di contenuto	1. The underlying principles of competency modeling -- 2. A single competency examined -- 3. Competencies in the context of organizational systems -- 4. Universal competencies: the big six (plus one) -- 5. Case studies and examples -- Notes -- References -- Index.
Sommario/riassunto	Equips readers to understand, build, and implement competency models as a foundational and integrating element in talent

management systems. Readers will understand how competency models have evolved to be the current best practice in defining criteria for all talent management applications such as selection interviews, promotion panels, assessment centers, job descriptions, and learning objectives. Specific guidance is provided in the steps needed to establish a sustainable model, with research results on universal competencies contained in most contemporary models. Also discussed are the challenges and issues in building and implementing models, such as the need for proof of efficiency and effectiveness, that is, reliable measures of competence and proof of validity. Competency models will be placed in the greater context of the complete talent management system needed to effectively recruit, select, orient, train, appraise, reward, motivate, and promote high-performing employees. The most popular competency applications of interviewing, assessment centers, survey-guided development, job modeling, and training criteria are specifically explored and explained. Finally recent case studies bring competencies to life in real organizational settings. Questions for reflection will help readers review and summarize important content in each chapter.

3. Record Nr. UNINA9910299781103321

Autore	Scriba Christoph J.
Titolo	5000 Years of Geometry : Mathematics in History and Culture / / by Christoph J. Scriba, Peter Schreiber
Pubbl/distr/stampa	Basel : , : Springer Basel : , : Imprint : Birkhäuser, , 2015
ISBN	3-0348-0898-4
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (638 p.)
Disciplina	510 510.9 516 516.009
Soggetti	Geometry Mathematics History History of Mathematical Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Introduction -- 1.The beginnings of geometrical representations and calculations -- 2.Geometry in the Greek-Hellenistic era and late Antiquity -- 3.Oriental and old American geometry -- 4.Geometry in the European Middle Ages -- 5.New impulses for geometry during the Renaissance -- 6.The development of geometry in the 17th/18th centuries -- 7.New paths of geometry in the 19th century -- 8. Geometry in the 20th century -- Appendix: Selection of original texts -- References -- List of Figures -- Index of Names -- Index of Subjects.
Sommario/riassunto	The present volume provides a fascinating overview of geometrical ideas and perceptions from the earliest cultures to the mathematical and artistic concepts of the 20th century. It is the English translation of the 3rd edition of the well-received German book “5000 Jahre Geometrie,” in which geometry is presented as a chain of developments in cultural history and their interaction with architecture, the visual arts, philosophy, science, and engineering. Geometry originated in the ancient cultures along the Indus and Nile Rivers and in Mesopotamia,

experiencing its first “Golden Age” in Ancient Greece. Inspired by the Greek mathematics, a new germ of geometry blossomed in the Islamic civilizations. Through the Oriental influence on Spain, this knowledge later spread to Western Europe. Here, as part of the medieval Quadrivium, the understanding of geometry was deepened, leading to a revival during the Renaissance. Together with parallel achievements in India, China, Japan and the ancient American cultures, the European approaches formed the ideas and branches of geometry we know in the modern age: coordinate methods, analytical geometry, descriptive and projective geometry in the 17th an 18th centuries, axiom systems, geometry as a theory with multiple structures, and geometry in computer sciences in the 19th and 20th centuries. Each chapter of the book starts with a table of key historical and cultural dates and ends with a summary of essential contents of geome try in the respective era. Compelling examples invite the reader to further explore the problems of geometry in ancient and modern times. The book will appeal to mathematicians interested in Geometry, and to all readers with an interest in cultural history. From letters to the authors for the German language edition I hope it gets a translation, as there is no comparable work. Prof. J. Grattan-Guinness (Middlesex University London) "Five Thousand Years of Geometry" - I think it is the most handsome book I have ever seen from Springer, and the inclusion of so many color plates really improves its appearance dramatically! Prof. J.W. Dauben (City University of New York) An excellent book in every respect. The authors have successfully combined the history of geometry with the general development of culture and history. … The graphic design is also excellent. Prof. Z. Nádenik (Czech Technical University in Prague).