

1. Record Nr.	UNINA9910144448003321
Autore	Quintiere James G
Titolo	Fundamentals of fire phenomena
Pubbl/distr/stampa	[Place of publication not identified], : John Wiley, 2006
ISBN	1-61344-900-3 0-470-09115-0 0-470-09114-2
Disciplina	541.361
Soggetti	Fire Fire prevention Combustion Thermochemistry Civil Engineering Chemical Engineering Civil & Environmental Engineering Chemical & Materials Engineering Engineering & Applied Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph

2. Record Nr.	UNISALENTO991003230949707536
Autore	Rao, K. J.
Titolo	Structural chemistry of glasses [e-book] / by K.J. Rao
Pubbl/distr/stampa	Amsterdam ; New York : Elsevier, 2002
ISBN	9780080439587 0080439586
Edizione	[1st ed.]
Descrizione fisica	xv, 568 p. : ill. ; 25 cm
Disciplina	666.1
Soggetti	Glass Vidro Glas Electronic books.
Lingua di pubblicazione	Inglese
Formato	Risorsa elettronica
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index
Nota di contenuto	The world of inorganic glasses. The glassy state. The glass transition phenomenon. Structural techniques. Theoretical studies. D.C. conductivity. A.C. conductivity. Semiconducting glasses. Relaxation phenomena. Elastic properties and pressure effects. Optical properties. Oxide glasses. Chalcogenide glasses. Other glasses
Sommario/riassunto	<IT> Structural Chemistry of Glasses</IT> provides detailed coverage of the subject for students and professionals involved in the physical chemistry aspects of glass research. Starting with the historical background and importance of glasses, it follows on with methods of preparation, structural and bonding theories, and criteria for glass formation including new approaches such as the constraint model.<P> Glass transition is considered, as well as the wide range of theoretical approaches that are used to understand this phenomenon. The author provides a detailed discussion of Boson peaks, FSDP, Polymorphism, fragility, structural techniques, and theoretical modelling methods such as Monte Carlo and Molecular Dynamics simulation. The book covers ion and electron transport in glasses, mixed-alkali effect, fast ion conduction, power law and scaling behaviour, electron localization, charged defects, photo-structural effects, elastic properties, pressure-induced transitions, switching behaviour, colour, and optical properties

of glasses. Special features of a variety of oxide, chalcogenide, halide, oxy-nitride and metallic glasses are discussed.<P> With over 140 sections, this book captures most of the important and topical aspects of glass science, and will be useful for both newcomers to the subject and the experienced practitioner
