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| 1. Record Nr. | UNINA9910462519603321 |
| Titolo | Glass science and its applications // edited by Nandyala Sooraj Hussain and Jose Domingos Santos |
| Pubbl/distr/stampa | Stafa-Zuerich : , : Trans Tech, , [2010] ©2010 |
| ISBN | 3-03813-372-8 |
| Descrizione fisica | 1 online resource (106 p.) |
| Collana | Diffusion and defect data. Pt. B. Solid state phenomena, , 1012-0394 ; ; volume 161 |
| Altri autori (Persone) | HussainNandyala Sooraj SantosJose Domingos da Silva |
| Disciplina | 620.144 |
| Soggetti | Glass Electronic books. |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Special topic volume with invited peer reviewed papers only. |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Authors Index |
| Sommario/riassunto | The papers presented in this special issue, ""Glass Science and its Applications"", cover the physics and chemistry of conventional glasses, sol gel glasses and glass ceramic materials as used in technological and biomedical applications; for example, the first paper describes the optimization of ormosil glasses for luminescence-based dissolved-oxygen sensor applications. Here, the main aim was to prepare and evaluate various sol gel film compositions in order to identify those most promising for oxygen sensing. The physical, thermal, structural and spectral properties of rare-earth ion-doped |