

1. Record Nr.	UNINA9910790277903321
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Titolo	Development of luminescence properties of Eu ³⁺ -doped nanosized materials [[electronic resource] /] / Lixin Yu
Pubbl/distr/stampa	Hauppauge, N.Y., : Nova Science Publishers, c2011
ISBN	1-61761-029-1
Descrizione fisica	1 online resource (66 p.)
Collana	Nanotechnology science and technology
Disciplina	620.1/1295
Soggetti	Phosphors Nanocrystals - Materials Europium - Optical properties Luminescence
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	Light-induced changes of CT band of Eu ³⁺ doped nanocrystals -- Site symmetry of Eu ³⁺ doped nanocrystals -- The dynamic processes of Eu ³⁺ doped nanocrystals -- Thermal quenching preoperties of Eu ³⁺ doped nanocrystals -- The UCL of Eu ³⁺ in oxide nanocrystal -- Spectral hole burning -- Core-shell nanopcomposites doped with Eu ³⁺ -- The luminescence of Eu ²⁺ in nanocrystals.