



Numerical Simulations of the Structure and Spectroscopic Properties of Rare-Earth Doped Glasses

Submitted by Stéphane Chaussedent on Tue, 03/10/2015 - 14:31

Titre	Numerical Simulations of the Structure and Spectroscopic Properties of Rare-Earth Doped Glasses
Type de publication	Article de revue
Auteur	Monteil, André [1], Chaussedent, Stéphane [2], Capobianco, J. A [3]
Editeur	Taylor & Francis
Type	Article scientifique dans une revue à comité de lecture
Année	1997
Langue	Anglais
Date	Jan-11-1997
Numéro	1-2
Pagination	127-140
Volume	20
Titre de la revue	Molecular Simulation
ISSN	0892-7022
Mots-clés	crystal field models [4], Glasses [5], rare-earth doped [6]
Résumé en anglais	<p>A review of the research that has been devoted to the simulation of the structure and spectroscopic properties of rare-earth doped glasses is presented. Since the seminal papers of Brawer and Weber who have applied Monte-Carlo or molecular dynamics techniques, some other very important results have been reported concerning the local structure of the dopants. As a result, crystal field models have been applied and several peculiarities of the optical spectra of rare earth ions in glasses have been understood.</p>
URL de la notice	http://okina.univ-angers.fr/publications/ua8708 [7]
DOI	10.1080/08927029708024172 [8]
Lien vers le document	http://dx.doi.org/10.1080/08927029708024172 [8]
Titre abrégé	Molecular Simulation

Liens

- [1] [http://okina.univ-angers.fr/publications?f\[author\]=8745](http://okina.univ-angers.fr/publications?f[author]=8745)
- [2] <http://okina.univ-angers.fr/stephane.chaussedent/publications>
- [3] [http://okina.univ-angers.fr/publications?f\[author\]=15448](http://okina.univ-angers.fr/publications?f[author]=15448)
- [4] [http://okina.univ-angers.fr/publications?f\[keyword\]=14449](http://okina.univ-angers.fr/publications?f[keyword]=14449)
- [5] [http://okina.univ-angers.fr/publications?f\[keyword\]=9562](http://okina.univ-angers.fr/publications?f[keyword]=9562)
- [6] [http://okina.univ-angers.fr/publications?f\[keyword\]=14448](http://okina.univ-angers.fr/publications?f[keyword]=14448)
- [7] <http://okina.univ-angers.fr/publications/ua8708>
- [8] <http://dx.doi.org/10.1080/08927029708024172>

