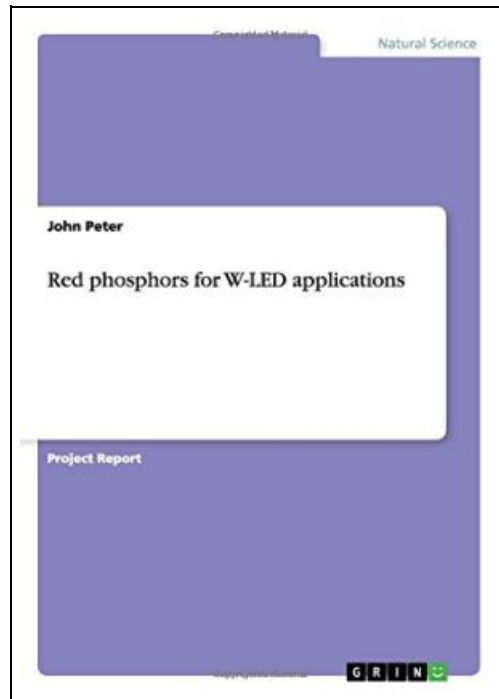


Red phosphors for W-LED applications



Filesize: 4.41 MB

Reviews

This book is so gripping and fascinating. Of course, it is actually perform, still an interesting and amazing literature. You will not feel monotony at anytime of your respective time (that's what catalogs are for about in the event you request me).

(Prof. Ophelia Wiegand I)

RED PHOSPHORS FOR W-LED APPLICATIONS



GRIN Verlag Okt 2015, 2015. Taschenbuch. Book Condition: Neu. 210x148x2 mm. This item is printed on demand - Print on Demand Titel. Neuware - Project Report from the year 2015 in the subject Physics - Optics, ST Anne's College Of Engineering And Technology (St. Anne's College of Engineering and Technology, Panruti, Tamilnadu, India), language: English, abstract: Trivalent rare-earth-ion-activated molybdate based phosphors have attracted great attention for solid-state lighting applications by virtue of their long lifetimes, and efficient luminescence property. The rare-earth ions are represented by a partly filled 4f shell that is completely shielded by 5s² and 5p⁶ orbitals. Therefore, emission transitions provide sharp intense lines in the optical spectra [1, 2]. The use of rare-earth element-based phosphor, based on "line-type" f-f transitions, can narrow the emissions to the visible range, resulting in high efficiency and a high-lumen equivalence. In recent years, a flourishing care is concentrated on Li₃Ba₂Gd_{3-x}(MoO₄)₈ host matrix for luminescent ions in the interest of their excellent chemical and thermal stability and favourable luminescence characteristics compared to the sulfide- and nitride-based materials. Moreover, these are environmentally friendly as no toxic gases like sulphide are given out. Li₃Ba₂Gd_{3-x}(MoO₄)₈ occur in monoclinic crystal system with space group C_{2/c} in a disordered structure [3]. For this research paper, a series of Li₃Ba₂Gd_{3-x}Pr_x (MoO₄)₈ (x = 0.01, 0.03, 0.05, 0.07 and 0.09 mol) and Li₃Ba₂Gd_{3-x}Sm_x (MoO₄)₈ (x = 0.02, 0.04, 0.06, 0.08 and 0.10 mol) red phosphors were synthesized by conventional solid state reaction method. 24 pp. Englisch.



[Read Red phosphors for W-LED applications Online](#)



[Download PDF Red phosphors for W-LED applications](#)

You May Also Like



Report from the Interior. Bericht aus dem Inneren, englische Ausgabe

London Faber & Faber Apr 2014, 2014. Taschenbuch. Book Condition: Neu. 176x111x23 mm. Neuware - ' In the beginning, everything was alive. The smallest objects were endowed with beating hearts . . . ' Having...

[Save Document »](#)



Report from the Interior

Faber & Faber. Paperback. Book Condition: new. BRAND NEW, Report from the Interior, Paul Auster, 'In the beginning, everything was alive. The smallest objects were endowed with beating hearts . ' Having recalled his life through...

[Save Document »](#)



The Clever Detective Boxed Set (a Fairy Tale Romance): Stories 1, 2 and 3

Createspace, United States, 2012. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.After six years as a private investigator, Stacey Alexander has the strangest day...

[Save Document »](#)



Funny Poem Book For Kids - Cat Dog Humor Books Unicorn Humor Just Really Big Jerks Series - 3 in 1 Compilation Of Volume 1 2 3

CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 132 pages. Dimensions: 9.0in. x 6.0in. x 0.3in.LIMITED-TIME SPECIAL: Special Bonus Inside! Thats right. . . For a limited time...

[Save Document »](#)



Texting 1, 2, 3

SIMON SCHUSTER, United States, 2013. Paperback. Book Condition: New. 192 x 128 mm. Language: English . Brand New Book. Sam and Michael realize just how much their words matter when they tackle an important story...

[Save Document »](#)