

Name of the Teacher : Dr. V.B. Bhatkar

<b>Citations</b>	290	157
<b>h-index</b>	8	8
<b>i10-index</b>	7	6

Sr. No.	Title of Research Paper	Name of the Journal	Vol. No./ Page No./ Year	Impact factor if any
1	Host sensitized NIR emission in rare-earth doped NaY (MoO <sub>4</sub> ) <sub>2</sub> phosphors	Journal of Alloys and Compounds	vol. 732, No. 3, pp 64-69 (2018).	4.650
2	PbCaB <sub>2</sub> O <sub>5</sub> doped with Eu <sup>3+</sup> : A novel red emitting phosphor	Optical Materials	vol. 45, pp 91-96 (2015)	2.7
3	Combustion synthesis and photoluminescence in novel red emitting yttrium gadolinium pyrosilicate nanocrystalline phosphor.	Journal of Alloys and Compounds 672, 653-659	vol.672, pp 653-659 (2011).	4.650
4	Evaluation of biological activities of nanocrystalline tetragonal zirconia synthesized via sol-gel method	Int J Pharm Pharm Sci 8, 125-131	Vol 8, pp 125-131.	0.23
5	NIR emitting K <sub>2</sub> SrCl <sub>4</sub> : Eu <sup>2+</sup> , Nd <sup>3+</sup> phosphor as a spectral converter for CIGS solar cell	Optical Materials 79, 470-474	vol.79, pp 470-474 (2018)	2.7
6	Fabrication of polycaprolactone/zirconia nanofiber scaffolds using electrospinning technique	Journal of Polymer Research 24 (12), 232	vol.24, pp 232 (2012),	1.5
7	Facile combustion-derived LaPO <sub>4</sub> : Eu <sup>3+</sup> nano system and its photoluminescence properties -	Indian Journal of Physics		1.242
8	Comparative study of nano-sized Al <sub>2</sub> O <sub>3</sub> powder synthesized by sol-gel (citric and stearic acid) and aldo-	Optik 158, 1248-1254	vol. 158, pp. 1248-1254 (2018)	2.1

	keto gel method			
9	Quality Enhancement of Polycaprolactone/Hydroxyapatite Nanocomposite Scaffold using Novel In-situ Sol-Gel Method	Trends in Biomaterials & Artificial Organs	Vol.30, pp 126-133 (2016)	
10	Cr <sup>3+</sup> sensitized near infrared emission in Al <sub>2</sub> O <sub>3</sub> : Cr, Nd/Yb phosphors	Journal of Alloys and Compounds	Vol. 790, pp 1192-1200 (2019)	4.650
11	Broad Band excited NIR emission in Li <sub>2</sub> CeO <sub>3</sub> : Nd/Yb phosphor for modification of solar spectrum.	Journal of Alloys and Compounds	Vol. 771, pp 534-540 (2019)	4.650
12	Near-infrared emitting Ca <sub>5</sub> (PO <sub>4</sub> ) <sub>3</sub> Cl:Eu <sup>2+</sup> ,Nd <sup>3+</sup> phosphor for modification of the solar spectrum	Luminescence	Vol 33 pp 1288-1293 (2018)	2.961
13	Morphological and photoluminescence study of NaSrB <sub>5</sub> O <sub>9</sub> : Tb <sup>3+</sup> nanocrystalline phosphor	Journal of Asian Ceramic Societies	Vol 6 pp 359-367 (2018)	
14	Ultra-violet to visible quantum cutting in YPO <sub>4</sub> : Gd <sup>3+</sup> , Tb <sup>3+</sup> phosphor via down conversion	Materials discovery	Vol 7 pp 15-20 (2017)	
15	Synthesis, characterization and photoluminescence in novel lead calcium diborate doped with Mn <sup>2+</sup>	Optik-International Journal for Light and Electron Optics	vol. 126 pp 4813-4816 (2016)	2.1
16	SrB <sub>4</sub> O <sub>7</sub> :Sm <sup>2+</sup> phosphor for solar photovoltaics	AIP Conference Proceedings	Vol 2104 pp 020021(2019)	
17	Luminescence in Ca <sub>10</sub> (PO <sub>4</sub> ) <sub>6</sub> O: Eu <sup>2+</sup> , Nd <sup>3+</sup>	Optical Materials	Vol.84 pp 324-329 (2018)	2.7
18	Luminescence in Sr <sub>2</sub> MgAl <sub>22</sub> O <sub>36</sub> :Eu <sup>2+</sup> phosphor	AIP Conference Proceedings	Vol 1953 pp 070005 (2018)	

19	Rare earth activated NaY (MoO <sub>4</sub> ) <sub>2</sub> phosphors for NIR emission	AIP Conference Proceedings	Vol 1953 pp 070006 (2018)	
20	Novel Preparation Method And Luminescent Properties Of Eu <sup>3+</sup> Doped YbO <sub>3</sub> Phosphor Under Vuv Excitation	International Journal of Science, Environment and Technology	Vol 4 pp 152-160 (2015)	
21	Combustion synthesis and optimization of Tb <sup>3+</sup> -doped AZr <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> (A <sup>+</sup> = Li, Na, K) phosphors for mercury-free lamp and plasma display panels application	Journal of the Chinese Advanced Materials Society	Vol. 3 pp 300-309 (2015)	
22	Vuv Properties Of Eu <sup>3+</sup> - Doped YbO <sub>3</sub> Phosphor Prepared Via Aldo-Keto And Solid-State Process	Journal of Advances in Physics 7 (3), 1897-1905	Vol. 7 pp 1897-1905 (2015)	
23	Novel Preparation Method and Luminescent Properties Of Eu <sup>3+</sup> Doped YbO <sub>3</sub> Phosphor Under UV Excitation	International Journal of Science, Environment and Technology 4 (1), 152 – 160	Vol. 4 pp 152-160 (2015)	