

# Naresh Varnakavi

## List of Publications by Year in descending order

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25  
papers

1,339  
citations

566801

15  
h-index

642321

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1094  
citing authors

#	ARTICLE	IF	CITATIONS
1	NIR triggered NaYF <sub>4</sub> :Yb <sup>3+</sup> ,Tm <sup>3+</sup> @NaYF <sub>4</sub> /CsPb(Br <sub>1-x</sub> I <sub>x</sub> ) <sub>3</sub> composite for up-converted white-light emission and dual-modal anti-counterfeiting applications. <i>Materials Today Chemistry</i> , 2022, 23, 100752.	1.7	14
2	Synthesis of CsPbX <sub>3</sub> (X = Cl/Br, Br, and Br/I)@SiO <sub>2</sub> /PMMA composite films as color-conversion materials for achieving tunable multi-color and white light emission. <i>Nano Research</i> , 2021, 14, 1187-1194.	5.8	40
3	A Review on Biosensors and Recent Development of Nanostructured Materials-Enabled Biosensors. <i>Sensors</i> , 2021, 21, 1109.	2.1	672
4	Energy transfer dynamics in thermally stable single-phase LiMgBO <sub>3</sub> :Tm <sup>3+</sup> /Dy <sup>3+</sup> phosphor for UV triggered white light-emitting devices. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 271, 115306.	1.7	9
5	Dy <sup>3+</sup> /Pr <sup>3+</sup> co-doped fluoro-borosilicate glasses: Energy transfer induced color-tunable luminescence. <i>Materials Research Bulletin</i> , 2021, 142, 111381.	2.7	6
6	Zn(II)-Doped Cesium Lead Halide Perovskite Nanocrystals with High Quantum Yield and Wide Color Tunability for Color-Conversion Light-Emitting Displays. <i>ACS Applied Nano Materials</i> , 2020, 3, 7621-7632.	2.4	64
7	NIR luminescence and energy transfer kinetics in Nd <sup>3+</sup> /Yb <sup>3+</sup> co-doped sodium aluminium bismuth fluoro-borosilicate glasses. <i>Ceramics International</i> , 2019, 45, 22649-22659.	2.3	17
8	KGaP <sub>2</sub> O <sub>7</sub> :Mn <sup>4+</sup> deep red emitting phosphor: Synthesis, structure, concentration and temperature dependent photoluminescence characteristics. <i>Journal of Luminescence</i> , 2019, 214, 116565.	1.5	12
9	K <sub>2</sub> Mn <sub>x</sub> Sn <sub>3-6x</sub> (x = 0.5-0.95) (KMS-1) immobilized on the reduced graphene oxide as KMS-1/r-GO aerogel to effectively remove Cs <sup>+</sup> and Sr <sup>2+</sup> from aqueous solution. <i>Chemical Engineering Journal</i> , 2019, 369, 803-812.	6.6	34
10	Photoluminescence properties of LiTi <sub>2</sub> Eu <sub>x</sub> (PO <sub>4</sub> ) <sub>3</sub> phosphor. <i>Luminescence</i> , 2017, 32, 11-16.	1.5	1
11	Energy transfer and colour tunability in UV light induced Tm <sup>3+</sup> /Tb <sup>3+</sup> /Eu <sup>3+</sup> : ZnB glasses generating white light emission. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 175, 43-50.	2.0	30
12	Optical and spectral analysis of Pr <sup>3+</sup> doped lithium zinc fluoro telluro phosphate glasses. <i>Materials Today: Proceedings</i> , 2016, 3, 4058-4063.	0.9	7
13	Li <sub>2</sub> O:LiF:ZnF <sub>2</sub> :B <sub>2</sub> O <sub>3</sub> :P <sub>2</sub> O <sub>5</sub> : MnO glasses – Thermal, structural, optical and luminescence characteristics. <i>Optical Materials</i> , 2016, 51, 154-161.	1.7	42
14	Influence of multiphonon and cross relaxations on 3P <sub>0</sub> and 1D <sub>2</sub> emission levels of Pr <sup>3+</sup> doped borosilicate glasses for broad band signal amplification. <i>Journal of Alloys and Compounds</i> , 2016, 664, 321-330.	2.8	77
15	VIS-NIR emission analysis of Tm <sup>3+</sup> doped LiF-ZnF <sub>2</sub> -AlF <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> glasses. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	1
16	Analysis of visible-NIR emission and photoluminescence quenching in Er <sup>3+</sup> :Bi <sub>2</sub> O <sub>3</sub> -AlF <sub>3</sub> -TeO <sub>2</sub> -B <sub>2</sub> O <sub>3</sub> glasses. <i>Journal of Commonwealth Law and Legal Education</i> , 2015, 56, 255-262.	0.2	4
17	Energy transfer based emission analysis of (Tb <sup>3+</sup> , Sm <sup>3+</sup> ): Lithium zinc phosphate glasses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 144, 68-75.	2.0	42
18	Crossrelaxations and non-radiative energy transfer from (4G <sub>5/2</sub> ) Sm <sup>3+</sup> (5D <sub>0</sub> ) Eu <sup>3+</sup> : B <sub>2</sub> O <sub>3</sub> -ZnO glasses. <i>Journal of Alloys and Compounds</i> , 2015, 632, 59-67.	2.8	24

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19	Analysis of emission spectra of Ho <sup>3+</sup> :LFBCd glasses. , 2014, , .		0
20	Analysis of energy transfer based emission spectra of (Sm <sup>3+</sup> , Dy <sup>3+</sup> ): Li <sub>2</sub> O-B <sub>2</sub> O <sub>3</sub> -CdO glasses. Journal of Luminescence, 2014, 147, 63-71.	1.5	54
21	Energy transfer based enhanced red emission intensity from (Eu <sup>3+</sup> , Tb <sup>3+</sup> ):LFBCd optical glasses. Journal of Luminescence, 2013, 137, 15-21.	1.5	75
22	Luminescence, electrical and magnetic studies of Mn <sup>2+</sup> :Li <sub>2</sub> O-Li <sup>+</sup> B <sub>2</sub> O <sub>3</sub> -CdO glasses. , 2013, , .		0
23	Studies on Optical, Dielectric and Magnetic Properties of Mn <sup>2+</sup> , Fe <sup>3+</sup> & Co <sup>2+</sup> Ions Doped LFBCd Glasses. Ferroelectrics, 2012, 437, 110-125.	0.3	28
24	Structural, thermal, dielectric and ac conductivity properties of lithium fluoro-borate optical glasses. Ceramics International, 2012, 38, 2325-2332.	2.3	53
25	Structural, Thermal and Dielectric Properties of Lithium Zinc Silicate Ceramic Powders by Sol-Gel Method. Ferroelectrics, Letters Section, 2011, 38, 114-127.	0.4	33