

Nimitha S Prabhu

List of Publications by Year in Descending Order

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Version: 2024-04-24

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25
papers

191
citations

8
h-index

13
g-index

29
ext. papers

296
ext. citations

3.3
avg, IF

3.71
L-index

#	Paper	IF	Citations
25	Consequences of doping Er ³⁺ and Yb ³⁺ ions on the thermoluminescence dosimetry performance of the BaO-ZnO-LiF-B ₂ O ₃ -Sm ₂ O ₃ glass system. <i>Journal of Non-Crystalline Solids</i> , 2022 , 582, 121460	3.9	0
24	Thermoluminescence investigations of Ca ₂ Al ₂ SiO ₇ : Dy ³⁺ phosphor for gamma dosimetry applications. <i>Materials Chemistry and Physics</i> , 2022 , 281, 125872	4.4	0
23	Mechanical property evaluation of tellurite-germanate glasses and comparison of their radiation-shielding characteristics using EPICS2017 to other glass systems. <i>Open Chemistry</i> , 2022 , 20, 361-369	1.6	
22	Network-modifying role of Er ³⁺ ions on the structural, optical, mechanical, and radiation shielding properties of ZnF ₂ -BaO-Al ₂ O ₃ -Li ₂ O-B ₂ O ₃ glass. <i>Radiation Physics and Chemistry</i> , 2022 , 110228	2.5	0
21	Comparing basic radiation attenuation factors of tellurite glasses containing PbCl ₂ and Bi ₂ O ₃ with some other potential glass systems. <i>Optik</i> , 2021 , 168247	2.5	0
20	Effect of ZnO on radiation shielding competence of TeO ₂ -ZnO-Fe ₂ O ₃ glass system. <i>Optik</i> , 2021 , 168270	2.5	
19	Impact of replacement of B ₂ O ₃ by TeO ₂ on the physical, optical and gamma ray shielding characteristics of Pb-free B ₂ O ₃ -TeO ₂ -ZnO-Al ₂ O ₃ -Li ₂ O-MgO glass system. <i>Optik</i> , 2021 , 248, 168100	2.5	0
18	Exploring the optical gamma radiation shielding features of barium and zinc doped fluorotellurite glasses: A comparative study with other glass systems. <i>Optik</i> , 2021 , 168175	2.5	
17	Exploration of the B ₂ O ₃ -Bi ₂ O ₃ -MoO ₃ glass system based on its physical, optical, and gamma ray shielding capabilities. <i>Optik</i> , 2021 , 248, 168177	2.5	1
16	Evaluation of structural and gamma ray shielding competence of Li ₂ O-K ₂ O-B ₂ O ₃ -HMO (HMO = SrO/TeO ₂ /PbO/Bi ₂ O ₃) glass system. <i>Optik</i> , 2021 , 248, 168074	2.5	9
15	0.25B0kGy irradiation-induced modifications on the density, optical absorption, thermo-, and photo-luminescence of the 10BaO0ZnO0LiF-49.3B2O3-0.7Er2O3 glass. <i>Journal of Luminescence</i> , 2021 , 231, 117820	3.8	6
14	Structural, dielectric, optical and photoluminescence studies of Tm ³⁺ doped B ₂ O ₃ -BaO-MgO-Li ₂ O-Na ₂ O-LiF glasses featuring strong blue emission. <i>Journal of Non-Crystalline Solids</i> , 2021 , 560, 120733	3.9	3
13	Reddish-orange emission from sol-gel derived Sm ³⁺ -doped Sr ₂ La ₈ (SiO ₄) ₆ O ₂ phosphors. <i>Optik</i> , 2021 , 227, 165935	2.5	3
12	An examination of the radiation-induced defects and thermoluminescence characteristics of Sm ₂ O ₃ doped BaO-ZnO-LiF-B ₂ O ₃ glass system for dosimetry application. <i>Optical Materials</i> , 2021 , 118, 111252	3.3	5
11	Enhanced thermoluminescence intensity, stability, and sensitivity of the Yb ³⁺ doped BaO-ZnO-LiF-B ₂ O ₃ glass by Sm ³⁺ co-doping. <i>Materials Chemistry and Physics</i> , 2021 , 271, 124906	4.4	3
10	Spectroscopic study of Er ³⁺ doped borate glass system for green emission device, NIR laser, and optical amplifier applications. <i>Journal of Luminescence</i> , 2021 , 238, 118216	3.8	2
9	Thermoluminescence features of Er ³⁺ doped BaO-ZnO-LiF-B ₂ O ₃ glass system for high-dose gamma dosimetry. <i>Ceramics International</i> , 2020 , 46, 19343-19353	5.1	13

8	Correlative exploration of structural and dielectric properties with Er ₂ O ₃ addition in BaO _n O _m LiF _n B ₂ O ₃ glasses. <i>Journal of Alloys and Compounds</i> , 2020 , 832, 154996	5-7	9
7	Green emission features of erbium doped lithium zinc borate glasses 2020 ,		1
6	Role of Bi ₂ O ₃ in altering the structural, optical, mechanical, radiation shielding and thermoluminescence properties of heavy metal oxide borosilicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2020 , 542, 120136	3-9	13
5	Dy ³⁺ doped SiO ₂ B ₂ O ₃ Al ₂ O ₃ NaF _n F ₂ glasses: An exploration of optical and gamma radiation shielding features. <i>Current Applied Physics</i> , 2020 , 20, 1207-1216	2-6	16
4	Dy ³⁺ : B ₂ O ₃ Al ₂ O ₃ F _n NaF/LiF oxyfluoride glasses for cool white or day white light-emitting applications. <i>Optical Materials</i> , 2020 , 108, 110186	3-3	7
3	Physical, structural and optical properties of Sm ³⁺ doped lithium zinc alumino borate glasses. <i>Journal of Non-Crystalline Solids</i> , 2019 , 515, 116-124	3-9	41
2	Investigations on structural and radiation shielding properties of Er ³⁺ doped zinc bismuth borate glasses. <i>Materials Chemistry and Physics</i> , 2019 , 230, 267-276	4-4	41
1	Investigations on the physical, structural, optical and photoluminescence behavior of Er ³⁺ ions in lithium zinc fluoroborate glass system. <i>Infrared Physics and Technology</i> , 2019 , 98, 7-15	2-7	18