

P Syam Prasad

List of Publications by Year in descending order

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32
papers

485
citations

687363

13
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713466

21
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34
docs citations

34
times ranked

394
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of SeO ₂ on in vitro bioactivity and antibacterial activity of CaF ₂ -CaO-B ₂ O ₃ -P ₂ O ₅ -SrO glass system. <i>Materials Chemistry and Physics</i> , 2022, 278, 125653.	4.0	2
2	Assessing Mg/Si ₃ N ₄ biodegradable nanocomposites for osteosynthesis implants with a focus on microstructural, mechanical, in vitro corrosion and bioactivity aspects. <i>Journal of Materials Research and Technology</i> , 2022, 19, 3803-3817.	5.8	9
3	Spectroscopic studies on Er ³⁺ ions incorporated bismuth borolead lithium glasses for solid state lasers and fiber amplifiers. <i>Optical Materials</i> , 2021, 113, 110818.	3.6	20
4	In-vitro bioactivity and antibacterial properties of CaF ₂ -CaO-B ₂ O ₃ -P ₂ O ₅ -SrO glass system-influence of Ta ₂ O ₅ . <i>Journal of Non-Crystalline Solids</i> , 2021, 566, 120881.	3.1	6
5	The impact of Nb ₂ O ₅ on in-vitro bioactivity and antibacterial activity of CaF ₂ -CaO-B ₂ O ₃ -P ₂ O ₅ -SrO glass system. <i>Ceramics International</i> , 2021, 47, 28328-28337.	4.8	9
6	Judd-Ofelt analysis and luminescence studies of Er ³⁺ doped halogeno-antimonate glasses. <i>Optical Materials</i> , 2021, 120, 111422.	3.6	10
7	ZnO incorporated high phosphate bioactive glasses for guided bone regeneration implants: enhancement of in vitro bioactivity and antibacterial activity. <i>Journal of Materials Research and Technology</i> , 2021, 15, 633-646.	5.8	24
8	Spectroscopic and optical investigations on Er ³⁺ /Yb ³⁺ -co-doped bismuth-boroleadlithium glasses for solid state laser applications. <i>Optical Materials</i> , 2021, 122, 111657.	3.6	8
9	Investigations on Structural and Optical Properties of Various Modifier Oxides (MO = ZnO, CdO, BaO,) <i>Tj ETQq1 1 0.784314 18 BT /Over</i>	3.0	18
10	Effect of Al ³⁺ ions substitution in novel zinc phosphate glasses on formation of HAp layer for bone graft applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 185, 110591.	5.0	10
11	Investigations on Physico-Mechanical and Spectral Studies of Zn ²⁺ Doped P ₂ O ₅ -Based Bioglass System. <i>Journal of Composites Science</i> , 2020, 4, 129.	3.0	8
12	Influence of ZrO ₂ Addition on Structural and Biological Activity of Phosphate Glasses for Bone Regeneration. <i>Materials</i> , 2020, 13, 4058.	2.9	14
13	Optical and devitrification kinetic studies of chloro-antimonate glasses. <i>Optical Materials</i> , 2020, 105, 109934.	3.6	0
14	Visible luminescence characteristics of Pr ³⁺ ions in TeO ₂ -Sb ₂ O ₃ -WO ₃ glasses. <i>Optical Materials</i> , 2020, 101, 109740.	3.6	14
15	Titanium incorporated Zinc-Phosphate bioactive glasses for bone tissue repair and regeneration: Impact of Ti ⁴⁺ on physico-mechanical and in vitro bioactivity. <i>Ceramics International</i> , 2019, 45, 23715-23727.	4.8	25
16	In vitro bioactivity investigation of ZnO-Na ₂ O-CaO-P ₂ O ₅ -SiO ₂ bioglass system for medical applications. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
17	Spectroscopic studies of Dy ³⁺ ion doped tellurite glasses for solid state lasers and white LEDs. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 188, 516-524.	3.9	64
18	Spectroscopic analysis of up conversion luminescence in doped halogeno-antimonite glass. <i>Ceramics International</i> , 2018, 44, 18060-18066.	4.8	4

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19	Structural and Luminescence Properties of Tellurite Glasses for Laser Applications. , 2018, , 45-66.		1
20	Role of molybdenum ions in lead zinc phosphate glass system by means of dielectric studies. Materials Science-Poland, 2018, 36, 623-629.	1.0	0
21	Structural investigations on P2O5-CaO-Na2O-K2O: SrO bioactive glass ceramics. Ceramics International, 2017, 43, 10144-10150.	4.8	10
22	Influence of molybdenum oxide on structural, optical and physical properties of oxychloride glasses for nonlinear optical devices. Ceramics International, 2017, 43, 11305-11311.	4.8	11
23	InÂvitro investigations on CoO doped CaF2CaO B2O3P2O5â~MO bioactive glasses by means of spectroscopic studies. Optical Materials, 2017, 73, 628-637.	3.6	10
24	Luminescence properties of Sm3+ ions doped heavy metal oxide tellurite-tungstate-antimonate glasses. Ceramics International, 2017, 43, 16467-16473.	4.8	40
25	On identifying efficient modifier oxide in improving bioactivity of Fe2O3 doped calcium oxy fluoro borophosphate glasses. Journal of Alloys and Compounds, 2017, 692, 219-226.	5.5	16
26	Influence of Sb2O3 on tellurite based glasses for photonic applications. Journal of Alloys and Compounds, 2016, 687, 898-905.	5.5	33
27	Transport and spectroscopic properties of nickel ions in ZnO B2O3P2O5 glass system. Optik, 2016, 127, 2920-2923.	2.9	19
28	Influence of Mo5+ ions on spectroscopic properties of PbOâ€“ZnF2â€“P2O5 glass system. Karbala International Journal of Modern Science, 2015, 1, 101-109.	1.0	1
29	Spectroscopic Investigation of Tungsten Ions in Lead Scandium Phosphate Glass System. Spectroscopy Letters, 2015, 48, 90-95.	1.0	1
30	Optical absorption and fluorescence characteristics of Pr3+: Li2O-MO (Nb2O5, MoO3and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf,50 302 Td	0.6	2
31	Spectroscopic and dielectric studies on PbOâ€“MoO₃â€“B₂O₃ glasses incorporating small concentrations of TiO₂. Philosophical Magazine, 2007, 87, 5763-5787.	1.6	35
32	Dielectric dispersion in the PbOâ€“MoO3â€“B2O3 glass system. Solid State Communications, 2004, 132, 235-240.	1.9	55