

M S Sajna

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

475
citations

759233

12
h-index

677142

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27
times ranked

529
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectroscopic investigations and phonon side band analysis of Eu ³⁺ -doped multicomponent tellurite glasses. <i>Optical Materials</i> , 2017, 70, 31-40.	3.6	70
2	Spectroscopic properties of Er ³⁺ ions in multicomponent tellurite glasses. <i>Journal of Luminescence</i> , 2015, 159, 55-65.	3.1	66
3	Green and facile approach to prepare polypropylene/ <i>in situ</i> /reduced graphene oxide nanocomposites with excellent electromagnetic interference shielding properties. <i>RSC Advances</i> , 2018, 8, 30412-30428.	3.6	41
4	Spectroscopic investigations on Eu ³⁺ ions in Li ⁺ -Zn fluorotellurite glasses. <i>Optical Materials</i> , 2014, 37, 552-560.	3.6	39
5	NIR emission studies and dielectric properties of Er ³⁺ -doped multicomponent tellurite glasses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 161, 130-137.	3.9	34
6	Development of Thick Superhydrophilic TiO ₂ /ZrO ₂ Transparent Coatings Realized through the Inclusion of Poly(methyl methacrylate) and Pluronic-F127. <i>ACS Omega</i> , 2018, 3, 14924-14932.	3.5	28
7	Novel SPR based fiber optic sensor for vitamin A using Au@Ag core-shell nanoparticles doped SiO ₂ -TiO ₂ -ZrO ₂ ternary matrix. <i>Applied Surface Science</i> , 2019, 484, 219-227.	6.1	28
8	Investigations on SPR induced Cu@Ag core shell doped SiO ₂ -TiO ₂ -ZrO ₂ fiber optic sensor for mercury detection. <i>Applied Surface Science</i> , 2020, 507, 144957.	6.1	28
9	Perceiving impressive optical properties of ternary SiO ₂ -TiO ₂ -ZrO ₂ :Eu ³⁺ sol-gel glasses with high reluctance for concentration quenching: An experimental approach. <i>Journal of Non-Crystalline Solids</i> , 2018, 482, 116-125.	3.1	23
10	Synthesis and luminescence characterization of Pr ³⁺ doped Sr _{1.5} Ca _{0.5} SiO ₄ phosphor. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 133, 767-772.	3.9	16
11	Enhanced resonant nonlinear absorption and optical limiting in Er ³⁺ ions doped multicomponent tellurite glasses. <i>Materials Research Bulletin</i> , 2018, 104, 227-235.	5.2	13
12	Morphological, dielectric, tunable electromagnetic interference shielding and thermal characteristics of multiwalled carbon nanotube incorporated polymer nanocomposites: A facile, environmentally benign and cost effective approach realized via polymer latex/waterborne polymer as matrix. <i>Polymer Composites</i> , 2018, 39, E1169.	4.6	13
13	Investigations on spectroscopic properties of Er ³⁺ -doped Li ⁺ -Zn fluoroborate glass. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 148, 43-48.	3.9	12
14	Sm ³⁺ -doped fluorophosphate glass: Formation of Ag nanoparticles via Ag ⁺ /K ⁺ ion exchange and their effects on optical and dielectric properties. <i>Optical Materials</i> , 2015, 39, 167-172.	3.6	12
15	Structural and optical studies of Eu ³⁺ /nanocrystallites doped titania/zirconia hybrids. <i>Journal of Alloys and Compounds</i> , 2014, 615, 188-193.	5.5	11
16	Plasmonic and Energy Studies of Ag Nanoparticles in Silica-Titania Hosts. <i>Plasmonics</i> , 2014, 9, 631-636.	3.4	9
17	Surface Plasmon Assisted Luminescence Enhancement of Ag NP/NWs-Doped SiO ₂ -TiO ₂ -ZrO ₂ :Eu ³⁺ Ternary System. <i>Plasmonics</i> , 2019, 14, 673-683.	3.4	7
18	An Overview of Graphene-Based 2D/3D Nanostructures for Photocatalytic Applications. <i>Topics in Catalysis</i> , 0, 1.	2.8	7

#	ARTICLE	IF	CITATIONS
19	Spectroscopic investigations of RF sputtered Dy:ZnO as a conductive thin film nanophosphor. Journal of Materials Science: Materials in Electronics, 2016, 27, 13209-13216.	2.2	4
20	Morphological and thermal studies of mesoporous TiO ₂ -ZrO ₂ and TiO ₂ -ZrO ₂ -polymer composites as potential self cleaning surface. Materials Today: Proceedings, 2020, 33, 1327-1332.	1.8	3
21	Luminescence enhancement of Eu ³⁺ -doped multicomponent tellurite glasses by surface plasmon resonance. Journal of Materials Science: Materials in Electronics, 2020, 31, 4972-4985.	2.2	3
22	Plasmonic Catalysis for Energy Conversion-An Overview and Recent Trends. Topics in Catalysis, 0, , 1.	2.8	3
23	SPR coupled luminescence enhancement of Er ³⁺ /Au NPs -doped multicomponent tellurite glasses. Optical Materials, 2022, 131, 112637.	3.6	3
24	NIR Emission Properties of RE ³⁺ Ions in Multicomponent Tellurite Glasses. , 2018, , 203-224.		1
25	Synthesis and hydrophilic mechanism of porous TiO ₂ -ZrO ₂ transparent coatings. AIP Conference Proceedings, 2019, , .	0.4	1
26	Studies on electro spraying synthesis and mechanism of sol-gel derived TiO ₂ -ZrO ₂ -poly vinyl pyrrolidone composites as bactericidal coatings. AIP Conference Proceedings, 2020, , .	0.4	0