Dr Pramod AG

List of Publications by Year
in descending order

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27 papers	339 citations	932766 10 h-index	839053 18 g-index
27 all docs	27 docs citations	27 times ranked	165 citing authors

#	Article	IF	Citations
1	Influence of gold nanoparticles on the nonlinear optical and photoluminescence properties of Eu₂O₃ doped alkali borate glasses. Physical Chemistry Chemical Physics, 2020, 22, 2019-2032.	1.3	63
2	Effect of Eu3+ in tuning the ultrafast third-order optical nonlinearity in heavy metal borate glasses. Optical Materials, 2020, 108, 110051.	1.7	45
3	A combined experimental theoretical approach for energy gap determination, photophysical, photostable, optoelectronic, NLO, and organic light emitting diode (OLED) application: Synthesized coumarin derivative. Journal of Molecular Structure, 2019, 1194, 271-283.	1.8	37
4	Impact of solvents on energy gap, photophysical, photometric properties for a new class of 4-HCM coumarin derivative: Nonlinear optical studies and optoelectronic applications. Journal of Molecular Liquids, 2019, 292, 111383.	2.3	26
5	Efficacy of Eu3+ on improving the nearâ€“infrared optical nonlinearities and optical limiting properties of antimony sodium borate glasses. Journal of Non-Crystalline Solids, 2021, 556, 120566.	1.5	18
6	Influence of gamma irradiation on photoluminescence and nonlinear optical properties of Eu3+ activated heavy metal borate glasses. Optical Materials, 2021, 116, 111102.	1.7	17
7	Electronic Structure, Optical Properties and Quantum Chemical Investigation on Synthesized Coumarin Derivative in Liquid Media for Optoelectronic Devices. Journal of Fluorescence, 2019, 29, 953-968.	1.3	14
8	Photoluminescence, nonlinear optical and gamma radiation shielding properties of high concentration of Eu2O3 doped heavy metal borate glasses. Optik, 2022, 251, 168433.	1.4	14
9	Synthesis, photophysical, quantum chemical investigation, linear and non-linear optical properties of coumarin derivative: Optoelectronic and optical limiting application. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 223, 117288.	2.0	13
10	Optimising the Eu2O3 concentration and tuning the photoluminescence attributes of Eu2O3 doped borate glasses by Coâ€“doping with silver nanoparticles. Journal of Non-Crystalline Solids, 2022, 576, 121250.	1.5	12
11	Nonlinear optical, optical limiting and radiation shielding features of Eu3+ activated borate glasses. Optik, 2021, 232, 166563.	1.4	10
12	Near-infrared nonlinear optical characteristics of silver nanoparticles embedded borate glasses activated with Sm3+ ions: Effect of heat treatment. Infrared Physics and Technology, 2021, 119, 103959.	1.3	10
13	Improved nearâ€'infrared nonlinear optical properties of Sm3+ containing borate glasses: Effect of silver nanoparticles concentration. Optical Materials, 2021, 122, 111804.	1.7	10
14	Nonlinear Optical Limiting and Radiation Shielding Characteristics of Sm2O3 Doped Cadmium Sodium Lithium Borate Glasses. Materials, 2022, 15, 2330.	1.3	9
15	Analysis of Optical and Near-Infrared Luminescence of Er3+ and Er3+/Yb3+ Co-Doped Heavy Metal Borate Glasses for Optical Amplifier Applications. Photonics, 2022, 9, 355.	0.9	9
16	Optical limiting and nonlinear optical properties of silver nanoparticles embedded glasses containing rare-earth ions at 532Ânm under nanosecond regime. Journal of Materials Science: Materials in Electronics, 2022, 33, 16357-16368.	1.1	7
17	Enhanced near-infrared femtosecond nonlinear optical properties in zinc borate glasses activated with Er2O3. Optical Materials, 2022, 131, 112679.	1.7	7
18	Third-order nonlinear optical properties of Sm2O3 activated cadmium alkali borate glasses. Optical Materials, 2022, 127, 112313.	1.7	5

#	Article	IF	Citations
19	Solvent influence on the photophysical properties of 4-(2-Oxo-2H-benzo[h]chromen-4-ylmethoxy)-benzaldehyde. AIP Conference Proceedings, 2018, , .	0.3	3
20	Influence the dopant concentration on the photocatalytic activity: Dy3+, Eu3+ doped TiO2. AIP Conference Proceedings, 2018, , .	0.3	2
21	Biscoumarin derivative for designing the WLED display applications. AIP Conference Proceedings, 2019, , .	0.3	2
22	Femtosecond nonlinear optical properties of heavy metal borate glasses studied using Zâ€“scan technique. AIP Conference Proceedings, 2019, , .	0.3	2
23	Photophysical properties of novel fluorescent 1-(3-Hydroxy-benzofuran-2-yl)-benzo[f]chromen-3-one derivative: models for correlation solvent polarity scales. Canadian Journal of Physics, 2019, 97, 548-557.	0.4	2
24	Structural, thermal, chemical and optoelectronic properties of the quinoxaline with DFT. AIP Conference Proceedings, 2020, , .	0.3	1
25	Nanosecond nonlinear optical and optical limiting properties of Eu3+ activated borate glasses embedded with silver nanoparticles. AIP Conference Proceedings, 2021, , .	0.3	1
26	Deep blue light emission of (4,3-Oxoâ€'HCMM) coumarin derivative for organic LED display application. AIP Conference Proceedings, 2019, , .	0.3	0
27	Theoretical analysis of 3,3â€™-(naphthalen-2-ylmethylene) bis (4-hydroxy-2H-chromen-2-one) coumarin derivative. AIP Conference Proceedings, 2020, , .	0.3	0