Suresh Kumar Hm

List of Publications by Year
in descending order

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30	369	933447 10	839539 18
papers	citations	h-index	g-index

30	30	30	361
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Analysis of fluorescence quenching of new indole derivative by aniline using Sternâ€“Volmer plots. Journal of Luminescence, 2006, 116, 35-42.	3.1	77
2	Solvents effect on the absorption and fluorescence spectra of 7-diethylamino-3-thenoylcoumarin: Evaluation and correlation between solvatochromism and solvent polarity parameters. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 137, 527-534.	3.9	54
3	Estimation of ground and excited state dipole moment of laser dyes C504T and C521T using solvatochromic shifts of absorption and fluorescence spectra. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 154, 177-184.	3.9	25
4	Crystal growth and characterization of a new NLO crystal: Urea 2-furoic acid. Optik, 2015, 126, 4014-4018.	2.9	22
5	Effect of solvents on the spectroscopic properties of LD-489 & LD-473: Estimation of ground and excited state dipole moments by solvatochromic shift method. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 108, 288-294.	3.9	20
6	Steadyâ€State and Timeâ€Resolved Emission Studies of 6â€Methoxy Quinoline. Spectroscopy Letters, 2005, 38, 645-659.	1.0	19
7	A study on fluorescence quenching of LD-425 by aromatic amines in 1,4-dioxaneâ€“acetonitrile mixtures. Journal of Luminescence, 2012, 132, 1382-1388.	3.1	19
8	Effect of quencher and temperature on fluorescence intensity of laser dyes: DETC and C504T. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 170, 124-130.	3.9	16
9	Effect of temperature on fluorescence quenching and emission characteristics of laser dyes. Journal of Physics: Conference Series, 2020, 1473, 012046.	0.4	14
10	Influence of silver nanoparticles on absorption and fluorescence properties of laser dyes. Canadian Journal of Physics, 2014, 92, 163-167.	1.1	13
11	Effect of Solvent Polarity on Fluorescence Quenching of New Indole Derivatives by CCl4. Spectroscopy Letters, 2009, 42, 226-234.	1.0	11
12	Solvatochromic shift studies in LD-425 and LD-423: Estimation of ground and excited state dipole moments. Journal of Molecular Liquids, 2013, 181, 82-88.	4.9	10
13	Effect of Co-60 gamma radiation on optical, dielectric and mechanical properties of strontium L-ascorbate hexahydrate NLO crystal. Radiation Physics and Chemistry, 2018, 145, 104-110.	2.8	10
14	Growth and characterization of NLO crystal: L-leucine phthalic acid potassium iodide. Materials Science-Poland, 2015, 33, 529-536.	1.0	8
15	Growth and charatcterisation of mercuric chloride doped urea single crystals. Materials Research Innovations, 2017, 21, 391-395.	2.3	7
16	Spectral properties of laser dyes at varying temperatures. Canadian Journal of Physics, 2021, 99, 88-93.	1.1	7
17	Crystal growth and characterization of a semi-organic nonlinear optical (NLO) material: L-phenylalanine cadmium chloride. Canadian Journal of Physics, 2015, 93, 1296-1301.	1.1	6
18	A study on fluorescence quenching of a laser dye by aromatic amines in alcohols. Canadian Journal of Physics, 2015, 93, 469-474.	1.1	5

#	Article	IF	Citations
19	L-Ornithine Monohydrochloride Doped Zinc Tris-Thiourea Sulphate Single Crystals for NLO Applications. Silicon, 2020, , 1.	3.3	4
20	Frequency dependence of AC conductivity and dielectric properties evaluation of in-situ prepared polyaniline/manganese dioxide composite. Journal of Materials Science: Materials in Electronics, 2020, 31, 7226-7231.	2.2	4
21	Mechanical, electrical, linear, and nonlinear optical behavior of gamma-irradiated thiourea-doped lithium sulfate single crystals. Canadian Journal of Physics, 2021, 99, 242-246.	1.1	4
22	N1-(4-Methylphenyl)piperidine-1,4-dicarboxamide. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o3452-o3452.	0.2	2
23	Resonance energy transfer study of laser dyes LD 489 and LD 473 with rhodamine 6G. Canadian Journal of Physics, 2014, 92, 302-306.	1.1	2
24	Growth, characterization and influence of gamma irradiation on strontium chloride doped urea: An NLO crystal. Materials Today: Proceedings, 2020, 27, 6-11.	1.8	2
25	AC conductivity and dielectric properties of nanostructured amorphous manganese dioxide and polypyrrole/manganese dioxide composite. Journal of Materials Science: Materials in Electronics, 2021, 32, 3352-3360.	2.2	2
26	Influence of gamma radiation on the properties of l-ascorbic acid crystal for photonic applications. Journal of Materials Science: Materials in Electronics, 2021, 32, 8174-8182.	2.2	2
27	L-citrulline (LC) doped zinc tris-thiourea sulfate (ZTS) single crystals for photonic applications. Indian Journal of Physics, 0, , 1.	1.8	2
28	Co-60 Î³-irradiation effect on linear, nonlinear optical and electrical properties of a semiorganic L-alanine barium nitrate (LABN) crystal. Materials Research Innovations, 0, , 1-9.	2.3	1
29	Optical, thermal, mechanical, dielectric and magnetic properties of zinc sulphate doped L-ascorbic acid NLO crystal. Materials Today: Proceedings, 2020, 27, 503-508.	1.8	1
30	Growth and characterization of pure and metal ions-doped l-Taurine: a third-order nonlinear optical crystal for photonic applications. Journal of Materials Science: Materials in Electronics, 2022, 33, 15719-15733.	2.2	0