

# Suresh Kumar Hm

## List of Publications by Year in descending order

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30  
papers

369  
citations

933447

10  
h-index

839539

18  
g-index

30  
all docs

30  
docs citations

30  
times ranked

361  
citing authors

#	ARTICLE	IF	CITATIONS
1	Growth and characterization of pure and metal ions-doped L-Taurine: a third-order nonlinear optical crystal for photonic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 15719-15733.	2.2	0
2	Mechanical, electrical, linear, and nonlinear optical behavior of gamma-irradiated thiourea-doped lithium sulfate single crystals. <i>Canadian Journal of Physics</i> , 2021, 99, 242-246.	1.1	4
3	Spectral properties of laser dyes at varying temperatures. <i>Canadian Journal of Physics</i> , 2021, 99, 88-93.	1.1	7
4	AC conductivity and dielectric properties of nanostructured amorphous manganese dioxide and polypyrrole/manganese dioxide composite. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 3352-3360.	2.2	2
5	Influence of gamma radiation on the properties of L-ascorbic acid crystal for photonic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 8174-8182.	2.2	2
6	Growth, characterization and influence of gamma irradiation on strontium chloride doped urea: An NLO crystal. <i>Materials Today: Proceedings</i> , 2020, 27, 6-11.	1.8	2
7	Optical, thermal, mechanical, dielectric and magnetic properties of zinc sulphate doped L-ascorbic acid NLO crystal. <i>Materials Today: Proceedings</i> , 2020, 27, 503-508.	1.8	1
8	L-Ornithine Monohydrochloride Doped Zinc Tris-Thiourea Sulphate Single Crystals for NLO Applications. <i>Silicon</i> , 2020, , 1.	3.3	4
9	Effect of temperature on fluorescence quenching and emission characteristics of laser dyes. <i>Journal of Physics: Conference Series</i> , 2020, 1473, 012046.	0.4	14
10	Frequency dependence of AC conductivity and dielectric properties evaluation of in-situ prepared polyaniline/manganese dioxide composite. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 7226-7231.	2.2	4
11	Effect of Co-60 gamma radiation on optical, dielectric and mechanical properties of strontium L-ascorbate hexahydrate NLO crystal. <i>Radiation Physics and Chemistry</i> , 2018, 145, 104-110.	2.8	10
12	Effect of quencher and temperature on fluorescence intensity of laser dyes: DETC and C504T. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 170, 124-130.	3.9	16
13	Growth and characterization of mercuric chloride doped urea single crystals. <i>Materials Research Innovations</i> , 2017, 21, 391-395.	2.3	7
14	Estimation of ground and excited state dipole moment of laser dyes C504T and C521T using solvatochromic shifts of absorption and fluorescence spectra. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 154, 177-184.	3.9	25
15	A study on fluorescence quenching of a laser dye by aromatic amines in alcohols. <i>Canadian Journal of Physics</i> , 2015, 93, 469-474.	1.1	5
16	Crystal growth and characterization of a new NLO crystal: Urea 2-furoic acid. <i>Optik</i> , 2015, 126, 4014-4018.	2.9	22
17	Growth and characterization of NLO crystal: L-leucine phthalic acid potassium iodide. <i>Materials Science-Poland</i> , 2015, 33, 529-536.	1.0	8
18	Crystal growth and characterization of a semi-organic nonlinear optical (NLO) material: L-phenylalanine cadmium chloride. <i>Canadian Journal of Physics</i> , 2015, 93, 1296-1301.	1.1	6

#	ARTICLE	IF	CITATIONS
19	Solvents effect on the absorption and fluorescence spectra of 7-diethylamino-3-thenoylcoumarin: Evaluation and correlation between solvatochromism and solvent polarity parameters. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 137, 527-534.	3.9	54
20	Influence of silver nanoparticles on absorption and fluorescence properties of laser dyes. <i>Canadian Journal of Physics</i> , 2014, 92, 163-167.	1.1	13
21	Resonance energy transfer study of laser dyes LD 489 and LD 473 with rhodamine 6G. <i>Canadian Journal of Physics</i> , 2014, 92, 302-306.	1.1	2
22	Effect of solvents on the spectroscopic properties of LD-489 & LD-473: Estimation of ground and excited state dipole moments by solvatochromic shift method. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 108, 288-294.	3.9	20
23	Solvatochromic shift studies in LD-425 and LD-423: Estimation of ground and excited state dipole moments. <i>Journal of Molecular Liquids</i> , 2013, 181, 82-88.	4.9	10
24	N1-(4-Methylphenyl)piperidine-1,4-dicarboxamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o3452-o3452.	0.2	2
25	A study on fluorescence quenching of LD-425 by aromatic amines in 1,4-dioxane-acetonitrile mixtures. <i>Journal of Luminescence</i> , 2012, 132, 1382-1388.	3.1	19
26	Effect of Solvent Polarity on Fluorescence Quenching of New Indole Derivatives by CCl <sub>4</sub> . <i>Spectroscopy Letters</i> , 2009, 42, 226-234.	1.0	11
27	Analysis of fluorescence quenching of new indole derivative by aniline using Stern-Volmer plots. <i>Journal of Luminescence</i> , 2006, 116, 35-42.	3.1	77
28	Steady-State and Time-Resolved Emission Studies of 6-Methoxy Quinoline. <i>Spectroscopy Letters</i> , 2005, 38, 645-659.	1.0	19
29	Co-60 $\gamma$ -irradiation effect on linear, nonlinear optical and electrical properties of a semiorganic L-alanine barium nitrate (LABN) crystal. <i>Materials Research Innovations</i> , 0, , 1-9.	2.3	1
30	L-citrulline (LC) doped zinc tris-thiourea sulfate (ZTS) single crystals for photonic applications. <i>Indian Journal of Physics</i> , 0, , 1.	1.8	2