

Sanjeev R Inamdar

List of Publications by Year in descending order

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68
papers

912
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567281

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69
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Solvent effect on absorption and fluorescence spectra of coumarin laser dyes: Evaluation of ground and excited state dipole moments. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 69, 419-426.	3.9	100
2	IR, Raman and SERS studies of methyl salicylate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 66, 959-963.	3.9	56
3	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
4	Determination of ground and excited state dipole moments of dipolar laser dyes by solvatochromic shift method. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 123, 117-126.	3.9	47
5	Interaction between an 8-methoxypyrimido[4 ϵ^2 ,5 ϵ^2 :4,5] thieno (2,3-b)quinoline-4(3H)one antitumour drug and deoxyribonucleic acid. <i>Journal of Chemical Sciences</i> , 2002, 114, 687-696.	1.5	32
6	Synthesis, characterization and optoelectronic investigations of bithiophene substituted 1,3,4-oxadiazole derivatives as green fluorescent materials. <i>RSC Advances</i> , 2015, 5, 86685-86696.	3.6	31
7	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
8	Rotational Diffusion of Coumarins in Alcohols: A Dielectric Friction Study. <i>Journal of Fluorescence</i> , 2008, 18, 943-952.	2.5	21
9	Microwave Expedited Green Synthesis, Photophysical, Computational Studies of Coumarin ϵ 3 ϵ yl ϵ thiazol ϵ 3 ϵ yl ϵ 1,2,4 ϵ triazolin ϵ 3 ϵ ones and Their Anticancer Activity. <i>ChemistrySelect</i> , 2018, 3, 4448-4462.		21
10	Steady ϵ State and Time ϵ Resolved Emission Studies of 6 ϵ Methoxy Quinoline. <i>Spectroscopy Letters</i> , 2005, 38, 645-659.	1.0	19
11	Synthesis, X-ray characterization, DFT studies and Hirshfeld surface analysis of new organic single crystal: 2-(4-Methoxyphenyl)-4-[[2'-(1H-tetrazol-5-yl)biphenyl-4-yl]methyl]-2,4-dihydro-3H-1,2,4-triazol-3-one (MTBT). <i>Journal of Molecular Structure</i> , 2019, 1179, 809-819.	3.6	19
12	Dual photoluminescence and charge transport in an alkoxy biphenyl benzoate ferroelectric liquid crystalline ϵ graphene oxide composite. <i>New Journal of Chemistry</i> , 2018, 42, 16682-16693.	2.8	18
13	A combined solvatochromic shift and TDDFT study probing solute-solvent interactions of blue fluorescent Alexa Fluor 350 dye: Evaluation of ground and excited state dipole moments. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 215, 142-152.	3.9	18
14	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
15	Synthesis, photophysics of a novel green light emitting 1,3,4-oxadiazole and its application in FRET with ZnSe/ZnS QDs donor. <i>Journal of Molecular Liquids</i> , 2017, 248, 350-359.	4.9	16
16	Highly conjugated D ϵ A ϵ D form of novel benzo[b]thiophene substituted 1,3,4 ϵ oxadiazole derivatives; Thermal, optical properties, solvatochromism and DFT studies. <i>Journal of Molecular Liquids</i> , 2018, 272, 507-519.	4.9	16
17	Energy-transfer dye lasers. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1986, 82, 2417.	1.1	15
18	Fluorescence Quenching of UVITEX ϵ OB by Aniline in Alcohols and Alkanes. <i>Spectroscopy Letters</i> , 2006, 39, 321-335.	1.0	15

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19	InP/ZnS quantum-dot-dispersed nematic liquid crystal illustrating characteristic birefringence and enhanced electro-optical parameters. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	15
20	Photophysical, thermal properties, solvatochromism and DFT/TDDFT studies on novel conjugated D-A- π -A-D form of small molecules comprising thiophene substituted 1,3,4-oxadiazole. <i>Journal of Molecular Structure</i> , 2020, 1199, 127032.	3.6	15
21	Design, Synthesis and Optoelectronic Properties of Unsymmetrical Oxadiazole Based Indene Substituted Derivatives as Deep Blue Fluorescent Materials. <i>Journal of Fluorescence</i> , 2015, 25, 1323-1330.	2.5	14
22	Synthesis, Photophysical and Computational Study of Novel Coumarin-based Organic Dyes. <i>Photochemistry and Photobiology</i> , 2018, 94, 261-276.	2.5	14
23	Interaction between human serum albumin and toxic free InP/ZnS QDs using multi-spectroscopic study: An excellent alternate to heavy metal based QDs. <i>Journal of Molecular Liquids</i> , 2019, 281, 156-165.	4.9	14
24	Synthesis, characterization and photophysical properties of a new class of pyrene substituted 1,3,4-oxadiazole derivatives. <i>Optical Materials</i> , 2019, 88, 256-265.	3.6	14
25	Synthesis and photoluminescence properties of polycarbazole/tin oxide (PCz/SnO ₂) polymer nanocomposites. <i>Polymer Bulletin</i> , 2021, 78, 6321-6336.	3.3	14
26	Synthesis of metal free organic dyes: Experimental and theoretical approach to sensitize one-dimensional cadmium sulphide nanowires for solar cell application. <i>Journal of Molecular Liquids</i> , 2021, 336, 116862.	4.9	14
27	Steady State and Time Resolved Spectroscopic Study of CdSe and CdSe/ZnS QDs:FRET Approach. <i>Journal of Fluorescence</i> , 2016, 26, 1249-1259.	2.5	13
28	A combined experimental and computational investigation of solvatochromism of nonpolar laser dyes: Evaluation of ground and singlet excited-state dipole moments. <i>Journal of Molecular Liquids</i> , 2017, 244, 453-463.	4.9	13
29	Synthesis and optical properties of copper oxide nanoparticles: effect of solvents. <i>Journal of Nanophotonics</i> , 2020, 14, .	1.0	13
30	Rotational Diffusion of Coumarins: A Dielectric Friction Study. <i>Journal of Fluorescence</i> , 2010, 20, 797-808.	2.5	12
31	Rotational Diffusion of a New Large Non Polar Dye Molecule in Alkanes. <i>Journal of Fluorescence</i> , 2015, 25, 1671-1679.	2.5	11
32	Photophysics and rotational diffusion dynamics of large prolate non-polar laser dyes. <i>Journal of Molecular Liquids</i> , 2018, 268, 66-76.	4.9	11
33	Spectroscopic investigation of alloyed quantum dot-based FRET to cresyl violet dye. <i>Luminescence</i> , 2016, 31, 760-768.	2.9	10
34	Synthesis of chromophores and polyimides with a green chemistry approach for second-order nonlinear optical applications. <i>Polymers for Advanced Technologies</i> , 2018, 29, 2091-2102.	3.2	10
35	FRET from ZnSe/ZnS QDs to coumarin dyes: Role of acceptor dipole moment and QD surface states on FRET efficiency. <i>Journal of Luminescence</i> , 2018, 203, 67-73.	3.1	10
36	Design, synthesis and characterization of π -conjugated 2,5-diphenylsubstituted-1,3,4-oxadiazole-based D- π -A- π -D form of efficient deep blue functional materials: Photophysical properties and fluorescence turn-off chemosensors approach. <i>Journal of Molecular Liquids</i> , 2021, 328, 115443.	4.9	10

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37	Rotational Diffusion of Coumarins in Aqueous DMSO. <i>Journal of Fluorescence</i> , 2009, 19, 693-703.	2.5	9
38	Triaccontanol and Jasmonic Acid Differentially Modulate the Lipid Organization as Evidenced by the Fluorescent Probe Behavior and 31P Nuclear Magnetic Resonance Shifts in Model Membranes. <i>Journal of Membrane Biology</i> , 2009, 228, 165-177.	2.1	9
39	Synthesis and characterization of nonlinear optical side-chain polyimides containing the thiadiazole chromophores. <i>Journal of Applied Polymer Science</i> , 2012, 125, 1049-1058.	2.6	9
40	Interaction and energy transfer studies between bovine serum albumin and CdTe quantum dots conjugates: CdTe QDs as energy acceptor probes. <i>Luminescence</i> , 2017, 32, 631-639.	2.9	9
41	Spectroscopic investigation of water-soluble alloyed QDs with bovine serum albumin. <i>Luminescence</i> , 2017, 32, 35-42.	2.9	8
42	Synthesis and Optoelectronic Exploration of Highly Conjugated 1,3,4-Oxadiazole Containing Donor-Acceptor Chromophores. <i>ChemistrySelect</i> , 2017, 2, 1793-1801.	1.5	8
43	Phase Contraction, fluorescence quenching and formation of topological defects in chiral smectic C matrix by Cd _{0.15} Zn _{0.85} S/ZnS core/shell quantum dots dispersion: Faster electro-optic response for gadget displays. <i>Liquid Crystals</i> , 2020, 47, 1638-1654.	2.2	8
44	Nanoparticle surface energy transfer (NSET) in ferroelectric liquid crystal-metallic-silver nanoparticle composites: Effect of dopant concentration on NSET parameters. <i>Physical Review E</i> , 2021, 103, 022708.	2.1	8
45	Pyridine enhances the efficiency of 1D-CdS nanowire solar cells fabricated using novel organic dyes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 640, 128500.	4.7	8
46	Comprehensive study of interaction between biocompatible PEG-InP/ZnS QDs and bovine serum albumin. <i>Luminescence</i> , 2018, 33, 495-504.	2.9	7
47	Photoluminescence properties of zirconium oxide (ZrO ₂) nanoparticles. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	6
48	Solvatochromism of a highly conjugated novel donor-acceptor dipolar fluorescent probe and its application in surface-energy transfer with gold nanoparticles. <i>Journal of Molecular Liquids</i> , 2018, 271, 118-127.	4.9	5
49	Synthesis, Characterization, and Properties of Spinel Zinc Ferrite Nanoparticles by Chemical Coprecipitation Technique. <i>Macromolecular Symposia</i> , 2021, 400, .	0.7	5
50	Influence of experimental parameters on dominant energy transfer mechanisms. <i>Pramana - Journal of Physics</i> , 1991, 37, 353-356.	1.8	4
51	Picosecond time-resolved laser emission of coumarin 102: Solvent relaxation. <i>Pramana - Journal of Physics</i> , 1995, 45, 279-290.	1.8	4
52	Simple one pot synthesis and characterization of biocompatible Lactic acid capped fluorescent ZnS QDs. <i>Materials Today: Proceedings</i> , 2021, 47, 4189-4189.	1.8	4
53	SCXRD, DFT and molecular docking based structural analyses towards novel 3-piperazin-1-yl-benzo[d]isothiazole and 3-piperidin-4-yl-benzo[d]isoxazoles appended to quinoline as pharmacological agents. <i>Journal of Molecular Structure</i> , 2022, 1248, 131442.	3.6	4
54	Biogenic Synthesis and Characterization of ZnO Nanoparticles from <i>Aloe barbadensis</i> Miller Leaf Extract. <i>Macromolecular Symposia</i> , 2021, 400, 2100177.	0.7	4

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55	Fluorescence and Laser Emission from Coumarin-Acridine Orange Mixtures. Spectroscopy Letters, 1993, 26, 359-374.	1.0	3
56	ENERGY TRANSFER MECHANISMS IN LASER DYE MIXTURES. Spectroscopy Letters, 2002, 35, 293-307.	1.0	3
57	Photo-physical study of coumarins in aqueous organic solvents: An experimental and theoretical approach. Materials Today Communications, 2021, 29, 102733.	1.9	3
58	The effect of CTAB and lactic acid as surfactants in ZnS quantum dots: a simple method for colloidal synthesis and characterization. European Physical Journal: Special Topics, 2022, 231, 651-658.	2.6	3
59	Design and Synthesis of Dâ€“A form of <i>p</i>â€“Nitrophenylacrylonitrile Substituted Triphenylamine Chromophores; Photophysical, Electrochemical Properties, DFT and Thermal Studies. ChemistrySelect, 2021, 6, 12811-12819.	1.5	3
60	Enhancement of nonlinear optical and thermal properties of polyurethanes by modifying the chromophores with fused heterocyclic and pyrimidine rings. Polymer Engineering and Science, 2019, 59, 500-509.	3.1	2
61	Synthesis, characterization and photophysical properties of Î€-conjugated novel phenothiazine substituted acrylonitrile Dâ€“A derivatives: Orange to red emission. Chemical Data Collections, 2020, 30, 100543.	2.3	2
62	Interaction between proteinase K and stilbene 420: Occurrence of efficient FRET. AIP Conference Proceedings, 2019, , .	0.4	1
63	Evaluation of ground and excited state dipole moments of alexa fluor 350-NHS ester in binary mixtures of DMSO-water. AIP Conference Proceedings, 2019, , .	0.4	1
64	Rotational diffusion dynamics of Alexa flour dyes in aqueous organic environment. Journal of Molecular Liquids, 2020, 312, 113452.	4.9	1
65	Systematically controlled fluorescence resonance energy transfer from cadmium telluride quantum dots to rhodamine 101 dye: steady-state versus time-resolved measurements. Journal of Nanophotonics, 2019, 13, 1.	1.0	1
66	Multidonor surface energy transfer from Alexa Fluor dyes to gold nanoparticles: a quest for innovative sensor applications. Journal of Nanophotonics, 2020, 14, 1.	1.0	1
67	Rotational Diffusion Dynamics of Fluorescein Derivatives in Binary Mixtures of Solvents: An Experimental and Computational Study. Journal of Fluorescence, 2022, 32, 647-659.	2.5	1
68	Evaluation of ground and excited state dipole moments of coumarin 480 in aqueous DMSO: An experimental and DFT/TDDFT study. AIP Conference Proceedings, 2019, , .	0.4	0