Hirdyesh Mishra

List of Publications by Year
in descending order

48 papers	897 citations	471509 17 h-index	477307 29 g-index
48 all docs	48 docs citations	48 times ranked	1118 citing authors

#	Article	IF	Citations
1	Spectral and time domain fluorescence spectroscopy of gentisic acid molecule in protic and aprotic polymer matrix. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 270, 120825.	3.9	0
2	FÃ¶rster Resonance Energy Transfer between Fluorescent Organic Semiconductors: Poly(9,9-dioctylfluorene-alt-benzothiadiazole) and 6,13-Bis(triisopropylsilylethynyl)pentacene. Journal of Physical Chemistry B, 2022, , .	2.6	3
3	Reinvestigation of the photophysics of 3-aminobenzoic acid in neat and mixed binary solvents. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 247, 119100.	3.9	4
4	Revisiting the photochemistry 2,5â€dihydroxy benzoic acid (gentisic acid): Solvent and pH effect. Journal of Physical Organic Chemistry, 2021, 34, e4168.	1.9	3
5	Evaluation of binding of potential ADMET/tox screened saquinavir analogues for inhibition of HIV-protease via molecular dynamics and binding free energy calculations. Journal of Biomolecular Structure and Dynamics, 2021, , 1-11.	3.5	0
6	Effect of Diffusion on Photo-Induced Excited-State Energy Transfer between Fluorescent Semiconducting Molecules: Tris-(8-hydroxyquinoline) Aluminum and 6,13-Bis (Triisopropylsilylethynyl) Pentacene. Journal of Physical Chemistry C, 2021, 125, 23011-23020.	3.1	5
7	Study of near-infrared induced color tunability and optical bistability in Ho3+/Yb3+ codoped YV0.75Ta0.25O4 phosphor. Optical Materials, 2021, 122, 111701.	3.6	1
8	Imidazole-coumarin containing D â€“ A type fluorescent probe: Synthesis photophysical properties and sensing behavior for Fâ^' and CNâ^' anion. Dyes and Pigments, 2020, 175, 108163.	3.7	36
9	Triorganotin(IV) complexes of Schiff base derived from 1,2,4-triazole moiety: Synthesis, spectroscopic investigation, DFT studies, antifungal activity and molecular docking studies. Journal of Molecular Structure, 2020, 1206, 127639.	3.6	41
10	Surface driven nano-morphology of poly 3-hexylthiophene film, and their photophysical, spectral and electronic traits. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 260, 114622.	3.5	3
11	Fluorescence quenching of molybdenum disulfide quantum dots for metal ion sensing. Monatshefte FÃ¼r Chemie, 2020, 151, 729-741.	1.8	5
12	Excitation Energy Transfer/Migration between Tris(8-hydroxyquinoline) Aluminum and Poly[2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylenevinylene] in Chloroform. Journal of Physical Chemistry C, 2020, 124, 6486-6494.	3.1	6
13	Synthesis, structural characterization, electronic structure calculation, molecular docking study and biological activity of triorganotin(IV) complexes of schiff base Structure, 2019, 1197, 519-534.	3.6	18
14	Electronic Structure Explanation for the Structure and Reactivity of di-n-Butyltin(IV) Derivative of Glycylphenylalanine. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2019, 89, 223-234.	1.2	0
15	Examining pharmacodynamic and pharmacokinetic properties of eleven analogues of saquinavir for HIV protease inhibition. Archives of Virology, 2019, 164, 949-960.	2.1	4
16	Excited-State Dynamics of Quinine Sulfate and Its Di-Cation Doped in Polyvinyl Alcohol Thin Films Near Silver Nanostructure Islands. ACS Omega, 2019, 4, 5509-5516.	3.5	6
17	New diorganotin(IV) complexes of Schiff base derived from 4â€aminoâ€3â€hydrazinoâ€5â€mercaptoâ€4Hâ€1,2,4â€triazole: Synthesis, structural characterization, density functional theory studies, atomsâ€inâ€molecules analysis and antifungal activity. Applied Organometallic Chemistry, 2019, 33, e4894.	3.5	13
18	Copper (I) complexes based on novel N, Nâ€²-disubstituted thiocarbamides: Synthesis, spectroscopic, in vitro cytotoxicity, DNA damage and G0/G1 cell cycle arrest studies. Inorganica Chimica Acta, 2019, 491, 105-117.	2.4	5

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19	An Atoms-in-Molecules Theory Interpretation for the Structure of Di-n-Butyltin(IV) Derivative of Glycylvaline. The National Academy of Sciences, India, 2019, 42, 327-331.	1.3	0
20	In Situ Functionalized Fluorescent WS₂-QDs as Sensitive and Selective Probe for Fe³⁺ and a Detailed Study of Its Fluorescence Quenching. ACS Applied Nano Materials, 2019, 2, 566-576.	5.0	57
21	New triorganotin(IV) complexes of quinolone antibacterial drug sparfloxacin: Synthesis, structural characterization, DFT studies and biological activity. Applied Organometallic Chemistry, 2018, 32, e4324.	3.5	25
22	Combined experimental and theoretical studies on the diorganotin(IV) complexes of sparfloxacin: Synthesis, spectroscopic and DFT studies, and biological activity. Journal of Molecular Structure, 2018, 1167, 44-56.	3.6	8
23	Synthesis, spectroscopic characterization, DFT studies and antifungal activity of (E)-4-amino-5-[N'-(2-nitro-benzylidene)-hydrazino]-2,4-dihydro-[1,2,4]triazole-3-thione. Journal of Molecular Structure, 2018, 1164, 386-403.	3.6	43
24	QPRTase modified N-doped carbon quantum dots: A fluorescent bioprobe for selective detection of neurotoxin quinolinic acid in human serum. Biosensors and Bioelectronics, 2018, 101, 103-109.	10.1	35
25	Detection and monitoring of in vitro formation of salicylic acid from aspirin using fluorescence spectroscopic technique and DFT calculations. Journal of Photochemistry and Photobiology B: Biology, 2018, 189, 292-297.	3.8	10
26	Monitoring the binding of serotonin to silver nanoparticles: A fluorescence spectroscopic investigation. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 367, 219-225.	3.9	13
27	Interaction of triorganotin(IV) moiety with quinolone antibacterial drug ciprofloxacin: Synthesis, spectroscopic investigation, electronic structure calculation, and biological evaluation. Heteroatom Chemistry, 2018, 29, .	0.7	12
28	An efficient Hg2+ ensemble based on a triazole bridged anthracene and quinoline system for selective detection of cyanide through fluorescence turn-offâ€“on response in solution and live cell. Sensors and Actuators B: Chemical, 2017, 251, 729-738.	7.8	37
29	Synthesis, spectroscopic characterization, biological activity and theoretical studies of (E)-N3-(2-chlorobenzylidene)-H-1,2,4-triazole-3,5-diamine. Journal of Molecular Structure, 2017, 1144, 324-337.	3.6	12
30	A density functional theory insight into the structure and reactivity of diphenyltin(IV) derivative of glycylphenylalanine. Main Group Metal Chemistry, 2016, 39, 77-86.	1.6	7
31	Detection of in Vitro Metabolite Formation of Leflunomide: A Fluorescence Dynamics and Electronic Structure Study. Journal of Medicinal Chemistry, 2016, 59, 3418-3426.	6.4	10
32	Spectroscopic and structural study of the newly synthesized heteroligand complex of copper with creatinine and urea. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 154, 200-206.	3.9	23
33	A DFT study of temperature dependent dissociation mechanism of HF in HF(H2O)7 cluster. Journal of Chemical Sciences, 2015, 127, 1839-1844.	1.5	1
34	Surface plasmon coupled metal enhanced spectral and charge transport properties of poly(3,3â€²â€²-dialkylquarterthiophene) Langmuir Schaefer films. Nanoscale, 2015, 7, 6083-6092.	5.6	25
35	Metal-Enhanced S₁ and Alpha- S₁ Fluorescence: Effects of Far-Field Excitation Irradiance on Enhanced Fluorescence. Journal of Physical Chemistry C, 2014, 118, 28791-28796.	3.1	10
36	Examining structural analogs of elvitegravir as potential inhibitors of HIV-1 integrase. Archives of Virology, 2014, 159, 2069-2080.	2.1	3

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37	Evaluation of novel Saquinavir analogs for resistance mutation compatibility and potential as an HIV-Protease inhibitor drug. Bioinformation, 2014, 10, 227-232.	0.5	3
38	Experimental and theoretical study of the distance dependence of metal-enhanced fluorescence, phosphorescence and delayed fluorescence in a single system. Physical Chemistry Chemical Physics, 2013, 15, 19538.	2.8	77
39	UV to NIR Surface Plasmon Coupled and Metal-Enhanced Fluorescence Using Indium Thin Films: Application to Intrinsic (Label-less) Protein Fluorescence Detection. Journal of Physical Chemistry C, 2011, 115, 17227-17236.	3.1	21
40	Synthesis, Characterization and Photoluminescence Study of Novel Sulfobetaine Polyelectrolytes. Journal of Fluorescence, 2011, 21, 289-297.	2.5	2
41	Metal enhanced fluorescence of the fluorescent brightening agent Tinopal-CBX near silver island film. Dyes and Pigments, 2011, 91, 225-230.	3.7	14
42	Polymer microenvironmental effects on the photophysics of cinchonine dication. Journal of Luminescence, 2010, 130, 1994-1998.	3.1	5
43	Temperature-dependent Time-resolved Fluorescence Study of Cinchonine Alkaloid Dication. Journal of Fluorescence, 2008, 18, 17-27.	2.5	11
44	Photoinduced proton transfer coupled with energy transfer: Mechanism of sensitized luminescence of terbium ion by salicylic acid doped in polymer. Journal of Chemical Physics, 2008, 128, 244701.	3.0	60
45	Effect of Polymer Microenvironment on Excitation Energy Migration and Transfer. Journal of Physical Chemistry B, 2008, 112, 4213-4222.	2.6	28
46	Photo-Induced Relaxation and Proton Transfer in Some Hydroxy Naphthoic Acids in Polymers. Journal of Physical Chemistry B, 2006, 110, 9387-9396.	2.6	26
47	Photoinduced proton transfer in 3-hydroxy-2-naphthoic acid. Journal of Photochemistry and Photobiology A: Chemistry, 2001, 139, 23-36.	3.9	52
48	Ground and Excited State Intramolecular Proton Transfer in Salicylic Acid:Â an Ab Initio Electronic Structure Investigation. Journal of Physical Chemistry A, 1999, 103, 6257-6262.	2.5	114