

Hirdyesh Mishra

List of Publications by Year in descending order

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48
papers

897
citations

471509

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h-index

477307

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48
all docs

48
docs citations

48
times ranked

1118
citing authors

#	ARTICLE	IF	CITATIONS
1	Ground and Excited State Intramolecular Proton Transfer in Salicylic Acid: An Ab Initio Electronic Structure Investigation. <i>Journal of Physical Chemistry A</i> , 1999, 103, 6257-6262.	2.5	114
2	Experimental and theoretical study of the distance dependence of metal-enhanced fluorescence, phosphorescence and delayed fluorescence in a single system. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 19538.	2.8	77
3	Photoinduced proton transfer coupled with energy transfer: Mechanism of sensitized luminescence of terbium ion by salicylic acid doped in polymer. <i>Journal of Chemical Physics</i> , 2008, 128, 244701.	3.0	60
4	In Situ Functionalized Fluorescent WS ₂ -QDs as Sensitive and Selective Probe for Fe ³⁺ and a Detailed Study of Its Fluorescence Quenching. <i>ACS Applied Nano Materials</i> , 2019, 2, 566-576.	5.0	57
5	Photoinduced proton transfer in 3-hydroxy-2-naphthoic acid. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2001, 139, 23-36.	3.9	52
6	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. <i>Journal of Molecular Structure</i> , 2018, 1164, 386-403.	3.6	43
7	Triorganotin(IV) complexes of Schiff base derived from 1,2,4-triazole moiety: Synthesis, spectroscopic investigation, DFT studies, antifungal activity and molecular docking studies. <i>Journal of Molecular Structure</i> , 2020, 1206, 127639.	3.6	41
8	An efficient Hg ²⁺ ensemble based on a triazole bridged anthracene and quinoline system for selective detection of cyanide through fluorescence turn-off on response in solution and live cell. <i>Sensors and Actuators B: Chemical</i> , 2017, 251, 729-738.	7.8	37
9	Imidazole-coumarin containing D- A type fluorescent probe: Synthesis photophysical properties and sensing behavior for F ⁻ and CN ⁻ anion. <i>Dyes and Pigments</i> , 2020, 175, 108163.	3.7	36
10	QPRTase modified N-doped carbon quantum dots: A fluorescent bioprobe for selective detection of neurotoxin quinolinic acid in human serum. <i>Biosensors and Bioelectronics</i> , 2018, 101, 103-109.	10.1	35
11	Effect of Polymer Microenvironment on Excitation Energy Migration and Transfer. <i>Journal of Physical Chemistry B</i> , 2008, 112, 4213-4222.	2.6	28
12	Photo-Induced Relaxation and Proton Transfer in Some Hydroxy Naphthoic Acids in Polymers. <i>Journal of Physical Chemistry B</i> , 2006, 110, 9387-9396.	2.6	26
13	Surface plasmon coupled metal enhanced spectral and charge transport properties of poly(3,3'-dialkylquarterthiophene) Langmuir Schaefer films. <i>Nanoscale</i> , 2015, 7, 6083-6092.	5.6	25
14	New triorganotin(IV) complexes of quinolone antibacterial drug sparfloxacin: Synthesis, structural characterization, DFT studies and biological activity. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4324.	3.5	25
15	Spectroscopic and structural study of the newly synthesized heteroligand complex of copper with creatinine and urea. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 154, 200-206.	3.9	23
16	UV to NIR Surface Plasmon Coupled and Metal-Enhanced Fluorescence Using Indium Thin Films: Application to Intrinsic (Label-less) Protein Fluorescence Detection. <i>Journal of Physical Chemistry C</i> , 2011, 115, 17227-17236.	3.1	21
17	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
18	Metal enhanced fluorescence of the fluorescent brightening agent Tinopal-CBX near silver island film. <i>Dyes and Pigments</i> , 2011, 91, 225-230.	3.7	14

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19	Monitoring the binding of serotonin to silver nanoparticles: A fluorescence spectroscopic investigation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 367, 219-225.	3.9	13
20	New diorganotin(IV) complexes of Schiff base derived from 4-aminobenzohydrazino-5-mercapto-1,2,4-triazole: Synthesis, structural characterization, density functional theory studies, atoms-in-molecules analysis and antifungal activity. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4894.	3.5	13
21	Synthesis, spectroscopic characterization, biological activity and theoretical studies of (E)-N3-(2-chlorobenzylidene)-H-1,2,4-triazole-3,5-diamine. <i>Journal of Molecular Structure</i> , 2017, 1144, 324-337.	3.6	12
22	Interaction of triorganotin(IV) moiety with quinolone antibacterial drug ciprofloxacin: Synthesis, spectroscopic investigation, electronic structure calculation, and biological evaluation. <i>Heteroatom Chemistry</i> , 2018, 29, .	0.7	12
23	Temperature-dependent Time-resolved Fluorescence Study of Cinchonine Alkaloid Dication. <i>Journal of Fluorescence</i> , 2008, 18, 17-27.	2.5	11
24	Metal-Enhanced S ₁ and Alpha- S ₁ Fluorescence: Effects of Far-Field Excitation Irradiance on Enhanced Fluorescence. <i>Journal of Physical Chemistry C</i> , 2014, 118, 28791-28796.	3.1	10
25	Detection of <i>in Vitro</i> Metabolite Formation of Leflunomide: A Fluorescence Dynamics and Electronic Structure Study. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 3418-3426.	6.4	10
26	Detection and monitoring of in vitro formation of salicylic acid from aspirin using fluorescence spectroscopic technique and DFT calculations. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 189, 292-297.	3.8	10
27	Combined experimental and theoretical studies on the diorganotin(IV) complexes of sparfloxacin: Synthesis, spectroscopic and DFT studies, and biological activity. <i>Journal of Molecular Structure</i> , 2018, 1167, 44-56.	3.6	8
28	A density functional theory insight into the structure and reactivity of diphenyltin(IV) derivative of glycylphenylalanine. <i>Main Group Metal Chemistry</i> , 2016, 39, 77-86.	1.6	7
29	Excited-State Dynamics of Quinine Sulfate and Its Di-Cation Doped in Polyvinyl Alcohol Thin Films Near Silver Nanostructure Islands. <i>ACS Omega</i> , 2019, 4, 5509-5516.	3.5	6
30	Excitation Energy Transfer/Migration between Tris(8-hydroxyquinoline) Aluminum and Poly[2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylenevinylene] in Chloroform. <i>Journal of Physical Chemistry C</i> , 2020, 124, 6486-6494.	3.1	6
31	Polymer microenvironmental effects on the photophysics of cinchonine dication. <i>Journal of Luminescence</i> , 2010, 130, 1994-1998.	3.1	5
32	Copper (I) complexes based on novel N,N ² -disubstituted thiocarbamides: Synthesis, spectroscopic, in vitro cytotoxicity, DNA damage and G0/G1 cell cycle arrest studies. <i>Inorganica Chimica Acta</i> , 2019, 491, 105-117.	2.4	5
33	Fluorescence quenching of molybdenum disulfide quantum dots for metal ion sensing. <i>Monatshefte für Chemie</i> , 2020, 151, 729-741.	1.8	5
34	Effect of Diffusion on Photo-Induced Excited-State Energy Transfer between Fluorescent Semiconducting Molecules: Tris-(8-hydroxyquinoline) Aluminum and 6,13-Bis (Triisopropylsilylethynyl) Pentacene. <i>Journal of Physical Chemistry C</i> , 2021, 125, 23011-23020.	3.1	5
35	Examining pharmacodynamic and pharmacokinetic properties of eleven analogues of saquinavir for HIV protease inhibition. <i>Archives of Virology</i> , 2019, 164, 949-960.	2.1	4
36	Reinvestigation of the photophysics of 3-aminobenzoic acid in neat and mixed binary solvents. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 247, 119100.	3.9	4

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37	Examining structural analogs of elvitegravir as potential inhibitors of HIV-1 integrase. Archives of Virology, 2014, 159, 2069-2080.	2.1	3
38	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
39	Revisiting the photochemistry 2,5-dihydroxy benzoic acid (gentisic acid): Solvent and pH effect. Journal of Physical Organic Chemistry, 2021, 34, e4168.	1.9	3
40	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
41	Förster Resonance Energy Transfer between Fluorescent Organic Semiconductors: Poly(9,9-dioctylfluorene- <i>co</i> -benzothiadiazole) and 6,13-Bis(triisopropylsilylethynyl)pentacene. Journal of Physical Chemistry B, 2022, , .	2.6	3
42	Synthesis, Characterization and Photoluminescence Study of Novel Sulfobetaine Polyelectrolytes. Journal of Fluorescence, 2011, 21, 289-297.	2.5	2
43	A DFT study of temperature dependent dissociation mechanism of HF in HF(H ₂ O) ₇ cluster. Journal of Chemical Sciences, 2015, 127, 1839-1844.	1.5	1
44	Study of near-infrared induced color tunability and optical bistability in Ho ³⁺ /Yb ³⁺ codoped YVO ₄ :0.75Ta0.25O ₄ phosphor. Optical Materials, 2021, 122, 111701.	3.6	1
45	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
46	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
47	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
48	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