

Tuhin Pradhan

List of Publications by Year in descending order

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32
papers

3,408
citations

279487

23
h-index

414034

32
g-index

32
all docs

32
docs citations

32
times ranked

3986
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescent Chemosensors Based on Spiroring-Opening of Xanthenes and Related Derivatives. <i>Chemical Reviews</i> , 2012, 112, 1910-1956.	23.0	1,795
2	A cysteine-selective fluorescent probe for the cellular detection of cysteine. <i>Biomaterials</i> , 2012, 33, 945-953.	5.7	213
3	Chemical sensing of neurotransmitters. <i>Chemical Society Reviews</i> , 2014, 43, 4684-4713.	18.7	192
4	Pyrophosphate-Selective Fluorescent Chemosensor Based on 1,8-Naphthalimideâ€“DPAâ€“Zn(II) Complex and Its Application for Cell Imaging. <i>Organic Letters</i> , 2011, 13, 5294-5297.	2.4	158
5	Molecular modulated cysteine-selective fluorescent probe. <i>Biomaterials</i> , 2012, 33, 8495-8502.	5.7	142
6	Structural transition in alcohol-water binary mixtures: A spectroscopic study. <i>Journal of Chemical Sciences</i> , 2008, 120, 275-287.	0.7	90
7	Ferrocene-Appended Aryl Triazole for Electrochemical Recognition of Phosphate Ions. <i>Organic Letters</i> , 2011, 13, 4386-4389.	2.4	82
8	Spectroscopic Studies of Catanionic Reverse Microemulsion: Correlation with the Superactivity of Horseradish Peroxidase Enzyme in a Restricted Environment. <i>Journal of Physical Chemistry B</i> , 2008, 112, 6620-6628.	1.2	62
9	Intramolecular Charge Transfer Reaction, Polarity, and Dielectric Relaxation in AOT/Water/Heptane Reverse Micelles: Pool Size Dependence. <i>Journal of Physical Chemistry B</i> , 2008, 112, 9379-9388.	1.2	59
10	Excited State Intramolecular Charge Transfer Reaction in Binary Mixtures of Water and Tertiary Butanol (TBA):â€“Alcohol Mole Fraction Dependence. <i>Journal of Physical Chemistry A</i> , 2008, 112, 915-924.	1.1	57
11	Self-Association and Nitroaromatic-Induced Deaggregation of Pyrene Substituted Pyridine Amides. <i>Journal of the American Chemical Society</i> , 2014, 136, 495-505.	6.6	55
12	Fluorescent turn-on Zn ²⁺ sensing in aqueous and cellular media. <i>Sensors and Actuators B: Chemical</i> , 2011, 160, 1489-1493.	4.0	50
13	Enhanced Electrogenerated Chemiluminescence of Phenylethynylpyrene Derivatives: Use of Weakly Electron-Donating Group as a Substituent. <i>Journal of Organic Chemistry</i> , 2012, 77, 11007-11013.	1.7	43
14	Electrolyte-Concentration and Ion-Size Dependence of Excited-State Intramolecular Charge-Transfer Reaction in (Alkylamino)benzonitriles:â€“Steady-State Spectroscopic Studies. <i>Journal of Physical Chemistry A</i> , 2007, 111, 11514-11523.	1.1	39
15	Rapid responsive palladium sensor under mild condition. <i>Sensors and Actuators B: Chemical</i> , 2012, 171-172, 1277-1282.	4.0	36
16	A fluorescent probe to detect thiol-containing amino acids in solid tumors. <i>Biomaterials</i> , 2014, 35, 4157-4167.	5.7	36
17	Electrolyte-Concentration and Ion-Size Dependence of Excited-State Intramolecular Charge-Transfer Reaction in (Alkylamino)benzonitriles:â€“Time-Resolved Fluorescence Emission Studies. <i>Journal of Physical Chemistry A</i> , 2007, 111, 11524-11530.	1.1	35
18	Ferrocene-based anion receptor bearing amide and triazolium donor groups. <i>Analyst</i> , The, 2012, 137, 4454.	1.7	35

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19	A calix[2]triazole[2]arene-based fluorescent chemosensor for probing the copper trafficking pathway in Wilson's disease. Dalton Transactions, 2014, 43, 16178-16182.	1.6	33
20	Limiting ionic conductivity and solvation dynamics in formamide. Journal of Chemical Physics, 2006, 125, 174506.	1.2	32
21	N,N-Dimethylaniline and 1-(trifluoromethyl)benzene-functionalized tetrakis(ethynyl)pyrenes: synthesis, photophysical, electrochemical and computational studies. Tetrahedron, 2012, 68, 1704-1711.	1.0	29
22	Excited state intramolecular charge transfer reaction in nonaqueous electrolyte solutions: Temperature dependence. Journal of Chemical Physics, 2009, 131, 054507.	1.2	26
23	Bimodal Calix[2]triazole[2]arene Fluorescent Ionophore. Organic Letters, 2013, 15, 4058-4061.	2.4	23
24	Rationally designed non-enzymatic fluorogenic "turn-on" probe for Auric acid. Dyes and Pigments, 2015, 121, 1-6.	2.0	16
25	"Cleft-form" electrochemical anion chemosensor with amide and triazole donor groups. Tetrahedron Letters, 2012, 53, 4917-4920.	0.7	15
26	Photo-induced cation translocation in a molecular shuttle based on a calix[4]-biscrown including DCM and DMABN chromophores. Chemical Communications, 2015, 51, 14859-14861.	2.2	14
27	Excited state intramolecular charge transfer reaction in non-aqueous reverse micelles: Effects of solvent confinement and electrolyte concentration#. Journal of Chemical Sciences, 2012, 124, 355-373.	0.7	13
28	Electrogenerated chemiluminescence of N,N-dimethylamino functionalized tetrakis(phenylethynyl)pyrenes. Tetrahedron, 2013, 69, 5908-5912.	1.0	12
29	Intramolecular Charge Transfer Reaction in Solutions of Low to High Electrolyte Concentrations: Interplay between Friction and Solvation. Journal of Solution Chemistry, 2009, 38, 517-530.	0.6	7
30	Excited state intramolecular charge transfer reaction in 4-(1-azetidynyl)benzointrile: Solvent isotope effects. Journal of Chemical Sciences, 2009, 121, 95-101.	0.7	4
31	Excited state intramolecular charge transfer reaction of 4-(morpholenyl) benzointrile in solution: Effects of hetero atom in the donor moiety. Journal of Chemical Sciences, 2010, 122, 481-490.	0.7	4
32	Effects of acid concentration on intramolecular charge transfer reaction of 4-(azetidynyl) benzointrile in solution. Journal of Chemical Sciences, 2014, 126, 55-63.	0.7	1