

Tuhin Pradhan

List of Publications by Year in descending order

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32
papers

3,408
citations

279798
23
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414414
32
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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. Chemical Reviews, 2012, 112, 1910-1956.	47.7	1,795
2	A cysteine-selective fluorescent probe for the cellular detection of cysteine. Biomaterials, 2012, 33, 945-953.	11.4	213
3	Chemical sensing of neurotransmitters. Chemical Society Reviews, 2014, 43, 4684-4713.	38.1	192
4	Pyrophosphate-Selective Fluorescent Chemosensor Based on 1,8-Naphthalimideâ€“DPAâ€“Zn(II) Complex and Its Application for Cell Imaging. Organic Letters, 2011, 13, 5294-5297.	4.6	158
5	Molecular modulated cysteine-selective fluorescent probe. Biomaterials, 2012, 33, 8495-8502.	11.4	142
6	Structural transition in alcohol-water binary mixtures: A spectroscopic study. Journal of Chemical Sciences, 2008, 120, 275-287.	1.5	90
7	Ferrocene-Appended Aryl Triazole for Electrochemical Recognition of Phosphate Ions. Organic Letters, 2011, 13, 4386-4389.	4.6	82
8	Spectroscopic Studies of Catanionic Reverse Microemulsion: Correlation with the Superactivity of Horseradish Peroxidase Enzyme in a Restricted Environment. Journal of Physical Chemistry B, 2008, 112, 6620-6628.	2.6	62
9	Intramolecular Charge Transfer Reaction, Polarity, and Dielectric Relaxation in AOT/Water/Heptane Reverse Micelles: Pool Size Dependence. Journal of Physical Chemistry B, 2008, 112, 9379-9388.	2.6	59
10	Excited State Intramolecular Charge Transfer Reaction in Binary Mixtures of Water and Tertiary Butanol (TBA):â€“Alcohol Mole Fraction Dependence. Journal of Physical Chemistry A, 2008, 112, 915-924.	2.5	57
11	Self-Association and Nitroaromatic-Induced Deaggregation of Pyrene Substituted Pyridine Amides. Journal of the American Chemical Society, 2014, 136, 495-505.	13.7	55
12	Fluorescent turn-on Zn ²⁺ sensing in aqueous and cellular media. Sensors and Actuators B: Chemical, 2011, 160, 1489-1493.	7.8	50
13	Enhanced Electrogenenerated Chemiluminescence of Phenylethynylpyrene Derivatives: Use of Weakly Electron-Donating Group as a Substituent. Journal of Organic Chemistry, 2012, 77, 11007-11013.	3.2	43
14	Electrolyte-Concentration and Ion-Size Dependence of Excited-State Intramolecular Charge-Transfer Reaction in (Alkylamino)benzonitriles:â€“Steady-State Spectroscopic Studies. Journal of Physical Chemistry A, 2007, 111, 11514-11523.	2.5	39
15	Rapid responsive palladium sensor under mild condition. Sensors and Actuators B: Chemical, 2012, 171-172, 1277-1282.	7.8	36
16	A fluorescent probe to detect thiol-containing amino acids in solid tumors. Biomaterials, 2014, 35, 4157-4167.	11.4	36
17	Electrolyte-Concentration and Ion-Size Dependence of Excited-State Intramolecular Charge-Transfer Reaction in (Alkylamino)benzonitriles:â€“Time-Resolved Fluorescence Emission Studies. Journal of Physical Chemistry A, 2007, 111, 11524-11530.	2.5	35
18	Ferrocene-based anion receptor bearing amide and triazolium donor groups. Analyst, The, 2012, 137, 4454.	3.5	35

#	ARTICLE	IF	CITATIONS
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.	3.3	33
20	Limiting ionic conductivity and solvation dynamics in formamide. Journal of Chemical Physics, 2006, 125, 174506.	3.0	32
21	N,N-Dimethylaniline and 1-(trifluoromethyl)benzene-functionalized tetrakis(ethynyl)pyrenes: synthesis, photophysical, electrochemical and computational studies. Tetrahedron, 2012, 68, 1704-1711.	1.9	29
22	Excited state intramolecular charge transfer reaction in nonaqueous electrolyte solutions: Temperature dependence. Journal of Chemical Physics, 2009, 131, 054507.	3.0	26
23	Bimodal Calix[2]triazole[2]arene Fluorescent Ionophore. Organic Letters, 2013, 15, 4058-4061.	4.6	23
24	Rationally designed non-enzymatic fluorogenic "turn-on" probe for Ascorbic acid. Dyes and Pigments, 2015, 121, 1-6.	3.7	16
25	"Cleft-form" electrochemical anion chemosensor with amide and triazole donor groups. Tetrahedron Letters, 2012, 53, 4917-4920.	1.4	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.	4.1	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.	1.5	13
28	Electrogenerated chemiluminescence of N,N-dimethylamino functionalized tetrakis(phenylethynyl)pyrenes. Tetrahedron, 2013, 69, 5908-5912.	1.9	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.	1.2	7
30	Excited state intramolecular charge transfer reaction in 4-(1-azetidiny)benzonitrile: Solvent isotope effects. Journal of Chemical Sciences, 2009, 121, 95-101.	1.5	4
31	Excited state intramolecular charge transfer reaction of 4-(morpholenyl) benzonitrile in solution: Effects of hetero atom in the donor moiety. Journal of Chemical Sciences, 2010, 122, 481-490.	1.5	4
32	Effects of acid concentration on intramolecular charge transfer reaction of 4-(azetidiny) benzonitrile in solution. Journal of Chemical Sciences, 2014, 126, 55-63.	1.5	1