Amal Kumar Mandal

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6219718/publications.pdf

Version: 2024-02-01

29 papers	1,610 citations	361413 20 h-index	477307 29 g-index
30 all docs	30 docs citations	30 times ranked	2713 citing authors

#	Article	IF	Citations
1	Immobilizing Gold Nanoparticles in Mesoporous Silica Covered Reduced Graphene Oxide: A Hybrid Material for Cancer Cell Detection through Hydrogen Peroxide Sensing. ACS Applied Materials & Interfaces, 2014, 6, 13648-13656.	8.0	253
2	Resonance Energy Transfer Approach and a New Ratiometric Probe for Hg²⁺ in Aqueous Media and Living Organism. Organic Letters, 2009, 11, 2740-2743.	4.6	210
3	Cancer Cell Detection and Therapeutics Using Peroxidase-Active Nanohybrid of Gold Nanoparticle-Loaded Mesoporous Silica-Coated Graphene. ACS Applied Materials & Interfaces, 2015, 7, 9807-9816.	8.0	171
4	Azine-Based Receptor for Recognition of Hg²⁺ Ion: Crystallographic Evidence and Imaging Application in Live Cells. Organic Letters, 2010, 12, 5406-5409.	4.6	139
5	Twoâ€Dimensional Covalent Organic Frameworks for Optoelectronics and Energy Storage. ChemNanoMat, 2017, 3, 373-391.	2.8	106
6	New Chemodosimetric Reagents as Ratiometric Probes for Cysteine and Homocysteine and Possible Detection in Living Cells and in Blood Plasma. Chemistry - A European Journal, 2012, 18, 15382-15393.	3.3	78
7	Photo-responsive pseudorotaxanes and assemblies. Chemical Society Reviews, 2015, 44, 663-676.	38.1	68
8	Recognition of Hg²⁺ Ion through Restricted Imine Isomerization: Crystallographic Evidence and Imaging in Live Cells. Organic Letters, 2012, 14, 2980-2983.	4.6	66
9	Three-Photon-Excited Luminescence from Unsymmetrical Cyanostilbene Aggregates: Morphology Tuning and Targeted Bioimaging. ACS Nano, 2015, 9, 4796-4805.	14.6	51
10	Receptor design and extraction of inorganic fluoride ion from aqueous medium. Chemical Communications, 2011, 47, 7398.	4.1	49
11	First demonstration of two-step FRET in a synthetic supramolecular assembly. Chemical Science, 2013, 4, 2380.	7.4	43
12	Designing a thiol specific fluorescent probe for possible use as a reagent for intracellular detection and estimation in blood serum: kinetic analysis to probe the role of intramolecular hydrogen bonding. Organic and Biomolecular Chemistry, 2013, 11, 6604.	2.8	42
13	Two-dimensional lanthanide coordination polymer nanosheets for detection of FOX-7. Chemical Science, 2020, 11, 1032-1042.	7.4	41
14	Folding and Unfolding Movements in a [2]Pseudorotaxane. Journal of Organic Chemistry, 2011, 76, 138-144.	3.2	39
15	A Taco Complex Derived from a Bis-Crown Ether Capable of Executing Molecular Logic Operation through Reversible Complexation. Journal of Organic Chemistry, 2012, 77, 6789-6800.	3.2	39
16	Restricted Conformational Flexibility of a Triphenylamine Derivative on the Formation of Hostâ€“Guest Complexes with Various Macrocyclic Hosts. Chemistry - A European Journal, 2012, 18, 3906-3917.	3.3	27
17	Studies on [3]pseudorotaxane formation from a bis-azacrown derivative as host and imidazolium ion-derivatives as guest. Organic and Biomolecular Chemistry, 2011, 9, 4811.	2.8	26
18	A chemosensor for heavy-transition metal ions in mixed aqueousâ€“organic media. Sensors and Actuators B: Chemical, 2010, 145, 32-38.	7.8	23

#	Article	IF	Citations
19	A quinoxaline based N-heteroacene interfacial layer for efficient hole-injection in quantum dot light-emitting diodes. Nanoscale, 2015, 7, 11531-11535.	5.6	22
20	Tuning Emission Responses of a Triphenylamine Derivative in Hostâ€“Guest Complexes and an Unusual Dynamic Inclusion Phenomenon. Journal of Organic Chemistry, 2016, 81, 512-521.	3.2	22
21	An alternative approach: a highly selective dual responding fluoride sensor having active methylene group as binding site. Organic and Biomolecular Chemistry, 2012, 10, 2263.	2.8	20
22	Synthesis of Ag2S quantum dots by a single-source precursor: an efficient electrode material for rapid detection of phenol. Analytical Methods, 2014, 6, 2059.	2.7	18
23	A three-photon probe with dual emission colors for imaging of Zn(<scp>ii</scp>) ions in living cells. Chemical Communications, 2014, 50, 14378-14381.	4.1	16
24	Molecular Interactions, Proton Exchange, and Photoinduced Processes Prompted by an Inclusion Process and a [2]Pseudorotaxane Formation. Journal of Organic Chemistry, 2013, 78, 9004-9012.	3.2	11
25	Bicomponent H-Bonded Porous Molecular Networks at the Liquidâ€“Solid Interface: What Is the Influence of Preorganization in Solution?. Langmuir, 2015, 31, 157-163.	3.5	8
26	Urea/thiourea derivatives and Zn(II)-DPA complex as receptors for anionic recognitionâ€”A brief account. Journal of Chemical Sciences, 2011, 123, 175-186.	1.5	7
27	A tuneable hierarchical self-assembly of a C₃-symmetric triaminoguanidinium-derivative into a rhombic dodecahedral morphology. CrystEngComm, 2020, 22, 5117-5121.	2.6	5
28	Crystalline Free-Standing Two-Dimensional Zwitterionic Organic Nanosheets for Efficient Conduction of Lithium Ions. ACS Applied Materials & Interfaces, 2020, 12, 58122-58131.	8.0	5
29	Self-assembled cationic organic nanosheets: role of positional isomers in a guanidinium-core for efficient lithium-ion conduction. Chemical Science, 2021, 12, 13878-13887.	7.4	5