

Sayantani Chall

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

548
citations

687363

13
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

968
citing authors

#	ARTICLE	IF	CITATIONS
1	Unveiling the Groove Binding Mechanism of a Biocompatible Naphthalimide-Based Organoselenocyanate with Calf Thymus DNA: An <i>Ex Vivo</i> Fluorescence Imaging Application Appended by Biophysical Experiments and Molecular Docking Simulations. <i>Journal of Physical Chemistry B</i> , 2013, 117, 14655-14665.	2.6	113
2	Controlled synthesis of spin glass nickel oxide nanoparticles and evaluation of their potential antimicrobial activity: A cost effective and eco friendly approach. <i>RSC Advances</i> , 2013, 3, 19348.	3.6	96
3	Morphology control of nickel oxalate by soft chemistry and conversion to nickel oxide for application in photocatalysis. <i>RSC Advances</i> , 2013, 3, 6106.	3.6	46
4	Protein Fibril-Templated Biomimetic Synthesis of Highly Fluorescent Gold Nanoclusters and Their Applications in Cysteine Sensing. <i>ACS Omega</i> , 2018, 3, 7703-7714.	3.5	38
5	Tuning the photophysics of a bio-active molecular probe \sim 3-pyrazolyl-2-pyrazoline TM derivative in different solvents: Dual effect of polarity and hydrogen bonding. <i>Journal of Luminescence</i> , 2010, 130, 2271-2276.	3.1	26
6	Soft-Templated Room Temperature Fabrication of Nanoscale Lanthanum Phosphate: Synthesis, Photoluminescence, and Energy-Transfer Behavior. <i>Journal of Physical Chemistry C</i> , 2013, 117, 25146-25159.	3.1	26
7	An efficient, Schiff-base derivative for selective fluorescence sensing of Zn ²⁺ ions: quantum chemical calculation appended by real sample application and cell imaging study. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 6447.	2.8	26
8	Development of a near infrared Au ^{Ag} bimetallic nanocluster for ultrasensitive detection of toxic Pb ²⁺ ions <i>in vitro</i> and inside cells. <i>Nanoscale Advances</i> , 2019, 1, 3660-3669.	4.6	23
9	Aggregation-Induced Fabrication of Fluorescent Organic Nanorings: Selective Biosensing of Cysteine and Application to Molecular Logic Gate. <i>Langmuir</i> , 2015, 31, 5025-5032.	3.5	21
10	Role of Silver Nanoclusters in the Enhanced Photocatalytic Activity of Cerium Oxide Nanoparticles. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 3224-3231.	2.0	20
11	Single step aqueous synthesis of pure rare earth nanoparticles in biocompatible polymer matrices. <i>Journal of Materials Chemistry</i> , 2012, 22, 12538.	6.7	17
12	Spectroscopic and Quantum Mechanical Approach of Solvatochromic Immobilization: Modulation of Electronic Structure and Excited-State Properties of 1,8-Naphthalimide Derivative. <i>Journal of Fluorescence</i> , 2015, 25, 341-353.	2.5	16
13	Nanoparticle Induced Conformational Switch Between α -Helix and β -Sheet Attenuates Immunogenic Response of MPT63. <i>Langmuir</i> , 2018, 34, 8807-8817.	3.5	14
14	Conformational Switch Driven Membrane Pore Formation by <i>Mycobacterium</i> Secretory Protein MPT63 Induces Macrophage Cell Death. <i>ACS Chemical Biology</i> , 2019, 14, 1601-1610.	3.4	14
15	Toxicological assessment of PEG functionalized f-block rare earth phosphate nanorods. <i>Toxicology Research</i> , 2015, 4, 966-975.	2.1	12
16	Polymer-fabricated synthesis of cerium oxide nanoparticles and applications as a green catalyst towards multicomponent transformation with size-dependent activity studies. <i>CrystEngComm</i> , 2016, 18, 7873-7882.	2.6	12
17	Understanding the Effect of Single Cysteine Mutations on Gold Nanoclusters as Studied by Spectroscopy and Density Functional Theory Modeling. <i>Langmuir</i> , 2017, 33, 12120-12129.	3.5	11
18	Micellar charge induced emissive response of a bio-active 3-pyrazolyl-2-pyrazoline derivative: a spectroscopic and quantum chemical analysis. <i>RSC Advances</i> , 2014, 4, 56361-56372.	3.6	7

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19	Correlation of FRET efficiency with conformational changes of proteins in ionic and nonionic surfactant environment. <i>Journal of Molecular Liquids</i> , 2016, 213, 33-40.	4.9	6
20	Facile Room Temperature Synthesis of Lanthanum Oxalate Nanorods and Their Interaction with Antioxidative Naphthalimide Derivative. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 2229-2238.	0.9	4