

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	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	Toxicological assessment of PEG functionalized f-block rare earth phosphate nanorods. <i>Toxicology Research</i> , 2015, 4, 966-975.	2.1	12
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Single step aqueous synthesis of pure rare earth nanoparticles in biocompatible polymer matrices. Journal of Materials Chemistry, 2012, 22, 12538.	6.7	17
20	Tuning the photophysics of a bio-active molecular probe α -3-pyrazolyl-2-pyrazoline TM derivative in different solvents: Dual effect of polarity and hydrogen bonding. Journal of Luminescence, 2010, 130, 2271-2276.	3.1	26