

Krishnamoorthy Shanmugaraj

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

510
citations

759233

12
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

667
citing authors

#	ARTICLE	IF	CITATIONS
1	Probing the binding interaction of thionine with lysozyme: A spectroscopic and molecular docking investigation. <i>Dyes and Pigments</i> , 2015, 112, 210-219.	3.7	84
2	Colorimetric determination of sulfide using chitosan-capped silver nanoparticles. <i>Mikrochimica Acta</i> , 2016, 183, 1721-1728.	5.0	81
3	Inner filter effect based selective detection of picric acid in aqueous solution using green luminescent copper nanoclusters. <i>New Journal of Chemistry</i> , 2018, 42, 7223-7229.	2.8	62
4	Exploring the biophysical aspects and binding mechanism of thionine with bovine hemoglobin by optical spectroscopic and molecular docking methods. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 131, 43-52.	3.8	50
5	Concentration Dependent Catalytic Activity of Glutathione Coated Silver Nanoparticles for the Reduction of 4-Nitrophenol and Organic Dyes. <i>Journal of Cluster Science</i> , 2017, 28, 1009-1023.	3.3	30
6	Visual and optical detection of hypochlorite in water samples based on etching of gold/silver alloy nanoparticles. <i>New Journal of Chemistry</i> , 2017, 41, 14130-14136.	2.8	23
7	A "turn-off" fluorescent sensor for the selective and sensitive detection of copper(II) ions using lysozyme stabilized gold nanoclusters. <i>RSC Advances</i> , 2016, 6, 54518-54524.	3.6	22
8	Unraveling the binding interaction of Toluidine blue O with bovine hemoglobin " a multi spectroscopic and molecular modeling approach. <i>RSC Advances</i> , 2015, 5, 3930-3940.	3.6	21
9	Gold nanoparticles supported on mesostructured oxides for the enhanced catalytic reduction of 4-nitrophenol in water. <i>Catalysis Today</i> , 2022, 388-389, 383-393.	4.4	19
10	Colorimetric determination of cysteamine based on the aggregation of polyvinylpyrrolidone-stabilized silver nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 236, 118281.	3.9	16
11	Catalytic pyrolysis of used tires on noble-metal-based catalysts to obtain high-value chemicals: Reaction pathways. <i>Catalysis Today</i> , 2022, 394-396, 475-485.	4.4	16
12	Noble metal nanoparticles supported on titanate nanotubes as catalysts for selective hydrogenation of nitroarenes. <i>Catalysis Today</i> , 2022, 392-393, 93-104.	4.4	14
13	Elucidation of Binding Mechanism of Photodynamic Therapeutic Agent Toluidine Blue O with Chicken Egg White Lysozyme by Spectroscopic and Molecular Dynamics Studies. <i>Photochemistry and Photobiology</i> , 2017, 93, 1043-1056.	2.5	12
14	Liquid Phase Hydrogenation of Pharmaceutical Interest Nitroarenes over Gold-Supported Alumina Nanowires Catalysts. <i>Materials</i> , 2020, 13, 925.	2.9	11
15	Insight into the binding and conformational changes of hemoglobin/lysozyme with bimetallic alloy nanoparticles using various spectroscopic approaches. <i>Journal of Molecular Liquids</i> , 2020, 300, 111747.	4.9	10
16	Catalytic production of anilines by nitro-compounds hydrogenation over highly recyclable platinum nanoparticles supported on halloysite nanotubes. <i>Catalysis Today</i> , 2022, 394-396, 510-523.	4.4	10
17	FriedlÄnder Synthesis of Novel Polycyclic Quinolines Using Solid SiO ₂ /H ₂ SO ₄ Catalyst. <i>Organic Preparations and Procedures International</i> , 2021, 53, 138-144.	1.3	8
18	Histidine-Stabilized Copper Nanoclusters as a Fluorescent Probe for Selective and Sensitive Determination of Vitamin B12. <i>Journal of Analysis and Testing</i> , 2018, 2, 168-174.	5.1	7

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19	Valorization of Waste Tires via Catalytic Fast Pyrolysis Using Palladium Supported on Natural Halloysite. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 18806-18816.	3.7	7
20	Gold nanoparticleâ€‘decorated earth-abundant clay nanotubes as catalyst for the degradation of phenothiazine dyes and reduction of 4-(4-nitrophenyl)morpholine. <i>Environmental Science and Pollution Research</i> , 2023, 30, 124447-124458.	5.3	7