

Sruthi Ann Alex

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

942
citations

471061

17
h-index

454577

30
g-index

36
all docs

36
docs citations

36
times ranked

1334
citing authors

#	ARTICLE	IF	CITATIONS
1	Studies on the removal of acid violet 7 dye from aqueous solutions by green ZnO@Fe ₃ O ₄ chitosan- <i>alginate</i> nanocomposite synthesized using <i>Camellia sinensis</i> extract. <i>Journal of Environmental Management</i> , 2022, 303, 114128.	3.8	12
2	A comprehensive update on antibiotics as an emerging water pollutant and their removal using nano-structured photocatalysts. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104796.	3.3	46
3	Interactive effects of micro/nanoplastics and nanomaterials/pharmaceuticals: Their ecotoxicological consequences in the aquatic systems. <i>Aquatic Toxicology</i> , 2021, 232, 105747.	1.9	34
4	Toxicity evaluation of nano-TiO ₂ in the presence of functionalized microplastics at two trophic levels: Algae and crustaceans. <i>Science of the Total Environment</i> , 2021, 784, 147262.	3.9	30
5	Development of biogenic bimetallic Pd/Fe nanoparticle-impregnated aerobic microbial granules with potential for dye removal. <i>Journal of Environmental Management</i> , 2021, 293, 112789.	3.8	17
6	A review on tetracycline removal from aqueous systems by advanced treatment techniques. <i>RSC Advances</i> , 2020, 10, 27081-27095.	1.7	144
7	In-situ coating of Fe/Pd nanoparticles on sand and its application for removal of tetracycline from aqueous solution. <i>Journal of Water Process Engineering</i> , 2020, 36, 101400.	2.6	0
8	Bimetallic gold nanorods with enhanced biocorona formation for doxorubicin loading and sustained release. <i>Biomaterials Science</i> , 2019, 7, 63-75.	2.6	19
9	CHAPTER 10. The Protein Corona: Applications and Challenges. <i>Issues in Toxicology</i> , 2019, , 265-286.	0.2	0
10	Effect of negative functionalisation of gold nanorods on conformation and activity of human serum albumin. <i>IET Nanobiotechnology</i> , 2019, 13, 522-529.	1.9	1
11	A facile gold nanoparticle-based ELISA system for detection of osteopontin in saliva: Towards oral cancer diagnostics. <i>Clinica Chimica Acta</i> , 2018, 477, 166-172.	0.5	31
12	Gold nanorod-based fluorometric ELISA for the sensitive detection of a cancer biomarker. <i>New Journal of Chemistry</i> , 2018, 42, 15852-15859.	1.4	7
13	Using gold nanorod-based colorimetric sensor for determining chromium in biological samples. <i>Journal of Molecular Liquids</i> , 2018, 264, 119-126.	2.3	15
14	Comprehensive study on biocorona formation on functionalized selenium nanoparticle and its biological implications. <i>Journal of Molecular Liquids</i> , 2018, 268, 335-342.	2.3	21
15	A comparative multi-assay approach to study the toxicity behaviour of Eu ₂ O ₃ nanoparticles. <i>Journal of Molecular Liquids</i> , 2018, 269, 783-795.	2.3	24
16	A novel enzyme-mediated gold nanoparticle synthesis and its application for <i>in situ</i> detection of horseradish peroxidase inhibitor phenylhydrazine. <i>New Journal of Chemistry</i> , 2017, 41, 15079-15086.	1.4	6
17	Impact of gold nanorod functionalization on biocorona formation and their biological implication. <i>Journal of Molecular Liquids</i> , 2017, 248, 703-712.	2.3	17
18	Effects of titanium dioxide nanoparticles on horseradish peroxidase-mediated peroxidation reactions. <i>Journal of Molecular Liquids</i> , 2017, 241, 852-860.	2.3	3

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19	Significance of surface functionalization of Gold Nanorods for reduced effect on IgG stability and minimization of cytotoxicity. <i>Materials Science and Engineering C</i> , 2017, 71, 744-754.	3.8	15
20	Detection of food contaminants by gold and silver nanoparticles. , 2017, , 129-165.		5
21	Acetylcholinesterase (AChE)-mediated immobilization of silver nanoparticles for the detection of organophosphorus pesticides. <i>RSC Advances</i> , 2016, 6, 64769-64777.	1.7	17
22	A comprehensive investigation of the differential interaction of human serum albumin with gold nanoparticles based on the variation in morphology and surface functionalization. <i>RSC Advances</i> , 2016, 6, 52683-52694.	1.7	23
23	Spectrofluorimetric determination of Hg ²⁺ and Pb ²⁺ using acetylcholinesterase (AChE)-based formation of silver nanoparticles. <i>RSC Advances</i> , 2016, 6, 21261-21270.	1.7	9
24	State-of-the-art strategies for the colorimetric detection of heavy metals using gold nanorods based on aspect ratio reduction. <i>Analytical Methods</i> , 2016, 8, 2131-2137.	1.3	24
25	Label-Free Colorimetric Detection of Bacterial Lipopolysaccharide in Food Samples Using Gold Nanorods. <i>Sensor Letters</i> , 2016, 14, 19-25.	0.4	3
26	Etching-based transformation of dumbbell-shaped gold nanorods facilitated by hexavalent chromium and their possible application as a plasmonic sensor. <i>Analytical Methods</i> , 2015, 7, 5583-5592.	1.3	15
27	Combined toxicity of two crystalline phases (anatase and rutile) of Titania nanoparticles towards freshwater microalgae: <i>Chlorella</i> sp. <i>Aquatic Toxicology</i> , 2015, 161, 154-169.	1.9	116
28	An ultrasensitive colorimetric sensor for efficient detection of Hg ²⁺ at physiological pH. <i>Analytical Methods</i> , 2015, 7, 2268-2272.	1.3	3
29	Developing acetylcholinesterase-based inhibition assay by modulated synthesis of silver nanoparticles: applications for sensing of organophosphorus pesticides. <i>RSC Advances</i> , 2015, 5, 61998-62006.	1.7	32
30	Reply to the "Comment on "Simple fluorescence-based detection of Cr(III) and Cr(VI) using unmodified gold nanoparticles" by M. R. Hormozi-Nezhad, J. Mohammadi and A. Bigdeli, <i>Anal. Methods</i> , 2015, 7, DOI: 10.1039/c5ay00005j. <i>Analytical Methods</i> , 2015, 7, 6035-6036.	1.3	0
31	Cytotoxicity of aluminum oxide nanoparticles on <i>Allium cepa</i> root tip: effects of oxidative stress generation and biouptake. <i>Environmental Science and Pollution Research</i> , 2015, 22, 11057-11066.	2.7	97
32	Acetylcholinesterase inhibition-based ultrasensitive fluorometric detection of malathion using unmodified silver nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 485, 111-117.	2.3	27
33	Acetylcholinesterase inhibition-based colorimetric determination of Hg ²⁺ using unmodified silver nanoparticles. <i>New Journal of Chemistry</i> , 2015, 39, 1172-1178.	1.4	14
34	Simple fluorescence-based detection of Cr(III) and Cr(VI) using unmodified gold nanoparticles. <i>Analytical Methods</i> , 2014, 6, 9554-9560.	1.3	36
35	A High-Performance Microbial Battery Based on the Chemotactic Biofilm of a Motile Microaerophilic Bacterium. <i>Energy Technology</i> , 2014, 2, 625-633.	1.8	1
36	Simple colorimetric sensor for Cr(III) and Cr(VI) speciation using silver nanoparticles as a probe. <i>Analytical Methods</i> , 2014, 6, 5161.	1.3	78