

Natarajan Chandrasekaran

List of Publications by Year in descending order

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321
papers

12,634
citations

26630

56
h-index

38395

95
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326
all docs

326
docs citations

326
times ranked

14241
citing authors

#	ARTICLE	IF	CITATIONS
1	Systematic assessment of f-MWCNT transport in aqueous medium: the effect of shear and non-shear forces. <i>International Journal of Environmental Science and Technology</i> , 2023, 20, 6291-6306.	3.5	1
2	Nanoâ€”diagnostics as an emerging platform for oral cancer detection: Current and emerging trends. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2023, 15, .	6.1	14
3	Studies on the removal of acid violet 7 dye from aqueous solutions by green ZnO@Fe ₃ O ₄ chitosanâ€”alginate nanocomposite synthesized using <i>Camellia sinensis</i> extract. <i>Journal of Environmental Management</i> , 2022, 303, 114128.	7.8	12
4	Polystyrene nanoplastics diminish the toxic effects of Nano-TiO ₂ in marine algae <i>Chlorella</i> sp.. <i>Environmental Research</i> , 2022, 204, 112400.	7.5	23
5	Synergistic removal of tetracycline and copper (II) by in-situ B-Fe/Ni nanocompositeâ€”A novel and an environmentally sustainable green nanomaterial. <i>Environmental Technology and Innovation</i> , 2022, 25, 102187.	6.1	9
6	Mixture toxicity of TiO ₂ NPs and tetracycline at two trophic levels in the marine ecosystem: <i>Chlorella</i> sp. and <i>Artemia salina</i> . <i>Science of the Total Environment</i> , 2022, 812, 152241.	8.0	7
7	Nanoemulsion. <i>Advances in Chemical and Materials Engineering Book Series</i> , 2022, , 307-329.	0.3	1
8	Recent Advances in Understanding the Facets of Eco-corona on Engineered Nanomaterials. <i>Journal of the Indian Institute of Science</i> , 2022, 102, 621-637.	1.9	5
9	Ecotoxicity of Nanomaterials to Freshwater Microalgae and Fish. , 2022, , 143-160.		1
10	A comprehensive estimate of the aggregation and transport of nSiO ₂ in static and dynamic aqueous systems. <i>Environmental Sciences: Processes and Impacts</i> , 2022, 24, 675-688.	3.5	2
11	Nanoplastics enhance the toxic effects of titanium dioxide nanoparticle in freshwater algae <i>Scenedesmus obliquus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2022, 256, 109305.	2.6	12
12	A review on contemporary nanomaterial-based therapeutics for the treatment of diabetic foot ulcers (DFUs) with special reference to the Indian scenario. <i>Nanoscale Advances</i> , 2022, 4, 2367-2398.	4.6	10
13	Female mosquito-a potential vector for transporting plastic residues to humans. <i>Chemosphere</i> , 2022, 301, 134666.	8.2	9
14	Exposure to polystyrene nanoplastics impairs lipid metabolism in human and murine macrophages in vitro. <i>Ecotoxicology and Environmental Safety</i> , 2022, 238, 113612.	6.0	27
15	The effects of pH, ionic strength, and natural organics on the transport properties of carbon nanotubes in saturated porous medium. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 647, 129025.	4.7	6
16	Nano-SiO ₂ transport and retention in saturated porous medium: Influence of pH, ionic strength, and natural organics. <i>Journal of Contaminant Hydrology</i> , 2022, 248, 104029.	3.3	5
17	Plastic particles in medicine: A systematic review of exposure and effects to human health. <i>Chemosphere</i> , 2022, 303, 135227.	8.2	17
18	Adsorptive removal of fluoroquinolone antibiotics using green synthesized and highly efficient Fe clay cellulose-acrylamide beads. <i>Environmental Technology and Innovation</i> , 2022, 28, 102783.	6.1	16

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19	An ultra-sensitive and selective AChE based colorimetric detection of malathion using silver nanoparticle-graphene oxide (Ag-GO) nanocomposite. <i>Analytica Chimica Acta</i> , 2021, 1142, 73-83.	5.4	27
20	Assessing combined toxic effects of tetracycline and P25 titanium dioxide nanoparticles using <i>Allium cepa</i> bioassay. <i>Frontiers of Environmental Science and Engineering</i> , 2021, 15, 1.	6.0	7
21	Role of triclosan microemulsion against triclosan resistant clones of bacterial pathogens. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 61, 102158.	3.0	5
22	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.	6.7	46
23	Mitigating the toxic effects of CdSe quantum dots towards freshwater alga <i>Scenedesmus obliquus</i> : Role of eco-corona. <i>Environmental Pollution</i> , 2021, 270, 116049.	7.5	25
24	Antibiotic tetracycline enhanced the toxic potential of photo catalytically active P25 titanium dioxide nanoparticles towards freshwater algae <i>Scenedesmus obliquus</i> . <i>Chemosphere</i> , 2021, 267, 128923.	8.2	26
25	Exploring the interactions between protein coronated CdSe quantum dots and nanoplastics. <i>New Journal of Chemistry</i> , 2021, 45, 7951-7958.	2.8	6
26	Eugenol micro-emulsion reinforced with silver nanocomposite electrospun mats for wound dressing strategies. <i>Materials Advances</i> , 2021, 2, 2971-2988.	5.4	13
27	Antioxidant and antibacterial activity of <i>Gelidium pusillum</i> (Stackhouse) against <i>Aeromonas caviae</i> and its applications in aquaculture. <i>Aquaculture International</i> , 2021, 29, 845-858.	2.2	6
28	Potential combination therapy using twenty phytochemicals from twenty plants to prevent SARS-CoV-2 infection: An in silico Approach. <i>VirusDisease</i> , 2021, 32, 108-116.	2.0	5
29	Interactive effects of micro/nanoplastics and nanomaterials/pharmaceuticals: Their ecotoxicological consequences in the aquatic systems. <i>Aquatic Toxicology</i> , 2021, 232, 105747.	4.0	34
30	Pathogenicity of <i>Edwardsiella tarda</i> in <i>Oreochromis mossambicus</i> and treatment by <i>Tamarindus indica</i> seed extract. <i>Aquaculture International</i> , 2021, 29, 1829-1841.	2.2	2
31	Polystyrene nanoplastics dysregulate lipid metabolism in murine macrophages in vitro. <i>Toxicology</i> , 2021, 458, 152850.	4.2	43
32	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.	8.0	30
33	Nanoemulsions: The rising star of antiviral therapeutics and nanodelivery system—current status and prospects. <i>Current Opinion in Colloid and Interface Science</i> , 2021, 54, 101458.	7.4	31
34	Prospects on the nano-plastic particles internalization and induction of cellular response in human keratinocytes. <i>Particle and Fibre Toxicology</i> , 2021, 18, 35.	6.2	35
35	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.	7.8	17
36	Removal of methyl orange from aqueous solution using SRB supported Bio-Pd/Fe NPs. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100561.	2.9	6

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37	The toxicological effects of titanium dioxide nanoparticles on marine microalgae. , 2021, , 479-493.		0
38	Development of thickness-tunable gold nanorods for anti-oxidant detection. Materials Chemistry and Physics, 2020, 239, 122295.	4.0	3
39	Batch and column study on tetracycline removal using green synthesized NiFe nanoparticles immobilized alginate beads. Environmental Technology and Innovation, 2020, 17, 100520.	6.1	22
40	Drug loaded essential oil microemulsions enhance photostability and evaluation of in vitro efficacy. Photodiagnosis and Photodynamic Therapy, 2020, 29, 101638.	2.6	11
41	Novel enzymatic synthesis of core/shell AgNP/AuNC bimetallic nanostructure and its catalytic applications. Journal of Molecular Liquids, 2020, 301, 112463.	4.9	12
42	Tetracycline removal using green synthesized bimetallic nZVI-Cu and bentonite supported green nZVI-Cu nanocomposite: A comparative study. Journal of Environmental Management, 2020, 254, 109812.	7.8	63
43	In situ formation of bimetallic FeNi nanoparticles on sand through green technology: Application for tetracycline removal. Frontiers of Environmental Science and Engineering, 2020, 14, 1.	6.0	12
44	A review on tetracycline removal from aqueous systems by advanced treatment techniques. RSC Advances, 2020, 10, 27081-27095.	3.6	144
45	In-situ coating of Fe/Pd nanoparticles on sand and its application for removal of tetracycline from aqueous solution. Journal of Water Process Engineering, 2020, 36, 101400.	5.6	0
46	Green synthesized Fe/Pd and in-situ Bentonite-Fe/Pd composite for efficient tetracycline removal. Journal of Environmental Chemical Engineering, 2020, 8, 104126.	6.7	32
47	Combined effects of nano-TiO ₂ and hexavalent chromium towards marine crustacean Artemia salina. Aquatic Toxicology, 2020, 225, 105541.	4.0	15
48	Plain polystyrene microplastics reduce the toxic effects of ZnO particles on marine microalgae Dunaliella salina. Journal of Environmental Chemical Engineering, 2020, 8, 104250.	6.7	39
49	Eco-corona formation lessens the toxic effects of polystyrene nanoplastics towards marine microalgae Chlorella sp.. Environmental Research, 2020, 188, 109842.	7.5	76
50	In Vivo Testing and Extended Drug Release of Chitosan-Coated Itraconazole Loaded Microemulsion Using Volatile Oil Thymus vulgaris. Revista Brasileira De Farmacognosia, 2020, 30, 279-289.	1.4	4
51	Silver nanorods induced oxidative stress and chromosomal aberrations in the Allium cepa model. IET Nanobiotechnology, 2020, 14, 161-166.	3.8	9
52	UVB pre-irradiation of titanium dioxide nanoparticles is more detrimental to freshwater algae than UVA pre-irradiation. Journal of Environmental Chemical Engineering, 2020, 8, 104076.	6.7	14
53	Cinnamon and clove oil nanoemulsions: novel therapeutic options against vancomycin intermediate susceptible Staphylococcus aureus. Applied Nanoscience (Switzerland), 2019, 9, 1405-1415.	3.1	12
54	Novel nano-bio (Nano Zerovalent Iron and Klebsiella sp.) composite beads for congo red removal using response surface methodology. Journal of Environmental Chemical Engineering, 2019, 7, 103413.	6.7	10

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55	Anaerobic nano zero-valent iron granules for hexavalent chromium removal from aqueous solution. <i>Environmental Technology and Innovation</i> , 2019, 16, 100495.	6.1	7
56	Photo-Assisted Removal of Tetracycline Using Bio-Nanocomposite-Immobilized Alginate Beads. <i>ACS Omega</i> , 2019, 4, 17504-17510.	3.5	9
57	Tetracycline affects the toxicity of P25 n-TiO ₂ towards marine microalgae <i>Chlorella</i> sp.. <i>Environmental Research</i> , 2019, 179, 108808.	7.5	20
58	Utilizing corona on functionalized selenium nanoparticles for loading and release of doxorubicin payload. <i>Journal of Molecular Liquids</i> , 2019, 296, 111864.	4.9	17
59	Bimetallic gold nanorods with enhanced biocorona formation for doxorubicin loading and sustained release. <i>Biomaterials Science</i> , 2019, 7, 63-75.	5.4	19
60	Assessment on interactive perspectives of nanoplastics with plasma proteins and the toxicological impacts of virgin, coronated and environmentally released-nanoplastics. <i>Scientific Reports</i> , 2019, 9, 8860.	3.3	158
61	Diminishing bioavailability and toxicity of P25 TiO ₂ NPs during continuous exposure to marine algae <i>Chlorella</i> sp.. <i>Chemosphere</i> , 2019, 233, 363-372.	8.2	29
62	Differential sensitivity of marine algae <i>Dunaliella salina</i> and <i>Chlorella</i> sp. to P25 TiO ₂ NPs. <i>Environmental Science and Pollution Research</i> , 2019, 26, 21394-21403.	5.3	23
63	Essential oil nanoemulsions: antibacterial activity in contaminated fruit juices. <i>International Journal of Food Science and Technology</i> , 2019, 54, 2802-2810.	2.7	18
64	Toxic effects of engineered nanoparticles (metal/metal oxides) on plants using <i>Allium cepa</i> as a model system. <i>Comprehensive Analytical Chemistry</i> , 2019, , 125-143.	1.3	14
65	Advances in oral cancer detection. <i>Advances in Clinical Chemistry</i> , 2019, 91, 181-200.	3.7	59
66	Polymer/layered silicate nanocomposites as matrix for bioinsecticide formulations. , 2019, , 161-178.		0
67	Toxic effect of different types of titanium dioxide nanoparticles on <i>Ceriodaphnia dubia</i> in a freshwater system. <i>Environmental Science and Pollution Research</i> , 2019, 26, 11998-12013.	5.3	11
68	Enhanced mosquitocidal efficacy of colloidal dispersion of pyrethroid nanometric emulsion with benignity towards non-target species. <i>Ecotoxicology and Environmental Safety</i> , 2019, 176, 258-269.	6.0	20
69	Enhanced tetracycline removal by in-situ NiFe nanoparticles coated sand in column reactor. <i>Journal of Environmental Management</i> , 2019, 236, 93-99.	7.8	22
70	Effect of surface charge on peroxidase mimetic activity of gold nanorods (GNRs). <i>Materials Chemistry and Physics</i> , 2019, 227, 242-249.	4.0	11
71	Nucleic acid detection strategy using gold nanoprobe of two diverse origin. <i>IET Nanobiotechnology</i> , 2019, 13, 928-932.	3.8	0
72	Effects and formulation of silver nanoscaffolds on cytotoxicity dependent ion release kinetics towards enhanced excision wound healing patterns in Wistar albino rats. <i>RSC Advances</i> , 2019, 9, 35677-35694.	3.6	18

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73	Influence of differently functionalized polystyrene microplastics on the toxic effects of P25 TiO ₂ NPs towards marine algae <i>Chlorella</i> sp.. <i>Aquatic Toxicology</i> , 2019, 207, 208-216.	4.0	92
74	Protective efficacy of microencapsulated seaweed extracts for preventing <i>Aeromonas</i> infections in <i>Oreochromis mossambicus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019, 218, 36-45.	2.6	17
75	A review on the impact of seaweed polysaccharide on the growth of probiotic bacteria and its application in aquaculture. <i>Aquaculture International</i> , 2019, 27, 227-238.	2.2	46
76	Green synthesis of NiFe nano particles using <i>Punica granatum</i> peel extract for tetracycline removal. <i>Journal of Cleaner Production</i> , 2019, 210, 767-776.	9.3	77
77	Distinctive impact of polystyrene nano-spherules as an emergent pollutant toward the environment. <i>Environmental Science and Pollution Research</i> , 2019, 26, 1537-1547.	5.3	32
78	<i>Gracilaria foliifera</i> (Forssk.) BÅrgesen ethanolic extract triggers apoptosis via activation of p53 expression in HepG2 cells. <i>Pharmacognosy Magazine</i> , 2019, 15, 259.	0.6	6
79	Bio-based Nanoemulsions: An Eco-safe Approach Towards the Eco-toxicity Problem. , 2019, , 1985-2006.		0
80	CHAPTER 10. The Protein Corona: Applications and Challenges. <i>Issues in Toxicology</i> , 2019, , 265-286.	0.1	0
81	Effect of negative functionalisation of gold nanorods on conformation and activity of human serum albumin. <i>IET Nanobiotechnology</i> , 2019, 13, 522-529.	3.8	1
82	Biogenic nano zero valent iron (Bio-nZVI) anaerobic granules for textile dye removal. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 1683-1689.	6.7	22
83	Trophic transfer potential of two different crystalline phases of TiO ₂ NPs from <i>Chlorella</i> sp. to <i>Ceriodaphnia dubia</i> . <i>Aquatic Toxicology</i> , 2018, 197, 89-97.	4.0	21
84	Nano-Bio sequential removal of hexavalent chromium using polymer-nZVI composite film and sulfate reducing bacteria under anaerobic condition. <i>Environmental Technology and Innovation</i> , 2018, 9, 122-133.	6.1	31
85	UV-irradiation to P25 titanium dioxide nanoparticles enhanced its toxicity towards freshwater algae <i>Scenedesmus obliquus</i> . <i>Environmental Science and Pollution Research</i> , 2018, 25, 16729-16742.	5.3	35
86	Antimicrobial potency of high-energy emulsified black pepper oil nanoemulsion against aquaculture pathogen. <i>Aquaculture</i> , 2018, 491, 210-220.	3.5	34
87	Dietary transfer of zinc oxide particles from algae (<i>Scenedesmus obliquus</i>) to daphnia (<i>Ceriodaphnia</i>) Tj ETQq1 1 0,784314 rgBT /Ove	7.5	23
88	Biological nanopesticides: a greener approach towards the mosquito vector control. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10151-10163.	5.3	20
89	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.	1.1	31
90	Effect of Dietary Supplementation of Novel Probiotic Bacteria <i>Bacillus vireti</i> O1 on Antioxidant Defence System of Freshwater Prawn Challenged with <i>Pseudomonas aeruginosa</i> . <i>Probiotics and Antimicrobial Proteins</i> , 2018, 10, 356-366.	3.9	9

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91	Effect of microencapsulated probiotic <i>Bacillus vireti</i> O1-polysaccharide extract of <i>Gracilaria folifera</i> with alginate-chitosan on immunity, antioxidant activity and disease resistance of <i>Macrobrachium rosenbergii</i> against <i>Aeromonas hydrophila</i> infection. <i>Fish and Shellfish Immunology</i> , 2018, 73, 112-120.	3.6	31
92	Acetylcholinesterase-based inhibition screening through in situ synthesis of gold nanoparticles: Application for detection of nerve agent simulant. <i>Journal of Molecular Liquids</i> , 2018, 249, 623-628.	4.9	7
93	Environmentally benign nanometric neem-laced urea emulsion for controlling mosquito population in environment. <i>Environmental Science and Pollution Research</i> , 2018, 25, 2211-2230.	5.3	12
94	Safety of Natural Insecticides: Toxic Effects on Experimental Animals. <i>BioMed Research International</i> , 2018, 2018, 1-17.	1.9	78
95	Nanopesticides: A Boon Towards the Control of Dreadful Vectors of Lymphatic Filariasis. , 2018, , 247-257.		2
96	DEVELOPMENT OF AZITHROMYCIN LOADED LEMONGRASS OIL BASED MICROEMULSION AND DETERMINATION OF ANTIBACTERIAL POTENTIAL. <i>International Journal of Applied Pharmaceutics</i> , 2018, 10, 72.	0.3	6
97	PREPARATION AND CHARACTERIZATION OF EDIBLE OIL NANOEMULSIONS FOR ENHANCED STABILITY AND ORAL DELIVERY OF CURCUMIN. <i>International Journal of Applied Pharmaceutics</i> , 2018, 10, 139.	0.3	7
98	A Review on Ecotoxicity of Zinc Oxide Nanoparticles on Freshwater Algae. , 2018, , 191-206.		2
99	Antifouling and anti-algal effects of chitosan nanocomposite (TiO ₂ /Ag) and pristine (TiO ₂ and Ag) films on marine microalgae <i>Dunaliella salina</i> . <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 6870-6880.	6.7	36
100	Gold nanorod-based fluorometric ELISA for the sensitive detection of a cancer biomarker. <i>New Journal of Chemistry</i> , 2018, 42, 15852-15859.	2.8	7
101	Removal of hexavalent chromium using nano zero valent iron and bacterial consortium immobilized alginate beads in a continuous flow reactor. <i>Environmental Technology and Innovation</i> , 2018, 12, 104-114.	6.1	16
102	Human serum albumin corona on functionalized gold nanorods modulates doxorubicin loading and release. <i>New Journal of Chemistry</i> , 2018, 42, 16555-16563.	2.8	13
103	DNA-triangular silver nanoparticles nanoprobe for the detection of dengue virus distinguishing serotype. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 202, 346-351.	3.9	19
104	Using gold nanorod-based colorimetric sensor for determining chromium in biological samples. <i>Journal of Molecular Liquids</i> , 2018, 264, 119-126.	4.9	15
105	Bio-Based Nanoemulsions: An Eco-Safe Approach Towards the Eco-Toxicity Problem. , 2018, , 1-23.		1
106	Comprehensive study on biocorona formation on functionalized selenium nanoparticle and its biological implications. <i>Journal of Molecular Liquids</i> , 2018, 268, 335-342.	4.9	21
107	Enhanced antifungal activity of Ketoconazole using rose oil based novel microemulsion formulation. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 47, 434-444.	3.0	25
108	Horseradish peroxidase-mediated <i>in situ</i> synthesis of silver nanoparticles: application for sensing of mercury. <i>New Journal of Chemistry</i> , 2018, 42, 13763-13769.	2.8	8

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109	Efficiency of brown seaweed (<i>Sargassum longifolium</i>) polysaccharides encapsulated in nanoemulsion and nanostructured lipid carrier against colon cancer cell lines HCT 116. RSC Advances, 2018, 8, 15973-15984.	3.6	43
110	Nanometric neem oil emulsification through microfluidization, and its therapeutic potential against <i>Aeromonas culicicola</i> infection in <i>Cyprinus carpio</i>. Flavour and Fragrance Journal, 2018, 33, 340-350.	2.6	6
111	Toxicity and trophic transfer of P25 TiO ₂ NPs from Dunaliella salina to Artemia salina : Effect of dietary and waterborne exposure. Environmental Research, 2018, 160, 39-46.	7.5	56
112	Comparative Study Between Two Different High-Energy Emulsification Strategies for the Preparation of Bio-Oil Based Nanoemulsion. Advanced Science Letters, 2018, 24, 5953-5959.	0.2	2
113	Antibacterial Activity of Sargassum longifolium-Polycaprolactone Nanobiocomposite for Fish Pathogen. Journal of Bionanoscience, 2018, 12, 417-421.	0.4	4
114	Controlling Mosquito Populations Using Nanotechnology (Nanometric Emulsion). , 2018, , .		0
115	Biosynthesis and Characterization of Silver Nanoparticles Synthesized From Seaweeds and Its Antibacterial Activity. , 2018, , 265-280.		0
116	Study of Nanoparticles Impact on the Growth and Exopolysaccharides Production of Epiphytic Bacteria from Seaweeds. Advanced Science Letters, 2018, 24, 5923-5930.	0.2	0
117	Interaction of Citrate-Capped Gold Nanoparticles with the Selected Amino Thiols for Sensing Applications. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2017, 87, 23-30.	1.0	5
118	Spectroscopic studies on the interactions of bovine serum albumin in presence of silver nanorods. Journal of Molecular Liquids, 2017, 232, 251-257.	4.9	14
119	Polymeric nanoencapsulation of insect repellent: Evaluation of its bioefficacy on Culex quinquefasciatus mosquito population and effective impregnation onto cotton fabrics for insect repellent clothing. Journal of King Saud University - Science, 2017, 29, 517-527.	3.5	27
120	Toxicity assessment of zero valent iron nanoparticles on <i>Artemia salina</i>. Environmental Toxicology, 2017, 32, 1617-1627.	4.0	20
121	Modulatory effects of Zn ²⁺ ions on the toxicity of citrate- and PVP-capped gold nanoparticles towards freshwater algae, Scenedesmus obliquus. Environmental Science and Pollution Research, 2017, 24, 3790-3801.	5.3	11
122	Exploring the interaction between iron oxide nanoparticles (IONPs) and Human serum albumin (HSA): Spectroscopic and docking studies. Journal of Molecular Liquids, 2017, 241, 793-800.	4.9	36
123	Antifouling activities of pristine and nanocomposite chitosan/TiO ₂ /Ag films against freshwater algae. RSC Advances, 2017, 7, 27645-27655.	3.6	15
124	Cerium oxide nanoparticles promote HSA fibrillation in vitro. International Journal of Biological Macromolecules, 2017, 103, 1138-1145.	7.5	8
125	Toxicity and accumulation of Copper oxide (CuO) nanoparticles in different life stages of Artemia salina. Environmental Toxicology and Pharmacology, 2017, 52, 227-238.	4.0	65
126	Stability of nano-sized permethrin in its colloidal state and its effect on the physiological and biochemical profile of <i>Culex tritaeniorhynchus</i> larvae. Bulletin of Entomological Research, 2017, 107, 676-688.	1.0	20

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127	Comparative study on toxicity of ZnO and TiO ₂ nanoparticles on <i>Artemia salina</i> : effect of pre-UV-A and visible light irradiation. <i>Environmental Science and Pollution Research</i> , 2017, 24, 5633-5646.	5.3	35
128	Toxicity, accumulation, and trophic transfer of chemically and biologically synthesized nano zero valent iron in a two species freshwater food chain. <i>Aquatic Toxicology</i> , 2017, 183, 63-75.	4.0	29
129	Impact of tetracycline on the toxic effects of titanium dioxide (TiO ₂) nanoparticles towards the freshwater algal species, <i>Scenedesmus obliquus</i> . <i>Aquatic Toxicology</i> , 2017, 193, 168-177.	4.0	28
130	Toxicity, uptake, and accumulation of nano and bulk cerium oxide particles in <i>Artemia salina</i> . <i>Environmental Science and Pollution Research</i> , 2017, 24, 24187-24200.	5.3	15
131	Comparative studies on interaction of inorganic mercury with silver nanorods and nanotriangles. <i>Journal of Molecular Liquids</i> , 2017, 242, 987-992.	4.9	4
132	The effect of TiO ₂ nanoparticles on sulfate-reducing bacteria and their consortium under anaerobic conditions. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 3741-3748.	6.7	15
133	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.	2.8	6
134	Impact of gold nanorod functionalization on biocorona formation and their biological implication. <i>Journal of Molecular Liquids</i> , 2017, 248, 703-712.	4.9	17
135	The stability and fate of synthesized zero-valent iron nanoparticles in freshwater microcosm system. <i>3 Biotech</i> , 2017, 7, 227.	2.2	4
136	Effects of titanium dioxide nanoparticles on horseradish peroxidase-mediated peroxidation reactions. <i>Journal of Molecular Liquids</i> , 2017, 241, 852-860.	4.9	3
137	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.	7.3	15
138	Nano-TiO ₂ enhances biofilm formation in a bacterial isolate from activated sludge of a waste water treatment plant. <i>International Biodeterioration and Biodegradation</i> , 2017, 116, 17-25.	3.9	23
139	Environmental benignity of a pesticide in soft colloidal hydrodispersive nanometric form with improved toxic precision towards the target organisms than non-target organisms. <i>Science of the Total Environment</i> , 2017, 579, 190-201.	8.0	35
140	Detection of food contaminants by gold and silver nanoparticles. , 2017, , 129-165.		5
141	Spectroscopic Studies on the Binding Effect of OH-MWCNTs with BSA, Lysozyme and Laccases. <i>Journal of Bionanoscience</i> , 2017, 11, 34-44.	0.4	0
142	Multiple Spectroscopic Approaches for Probing the Interaction of Surfactant Detached Single-Walled Carbon Nanotubes with Biomolecules. <i>Journal of Bionanoscience</i> , 2017, 11, 266-275.	0.4	0
143	Characterizing the Binding Interaction Between Titanium (IV) Oxide Nanoparticles and Human Serum Albumin: Spectroscopic and Molecular Docking Methods. <i>Journal of Bionanoscience</i> , 2017, 11, 376-383.	0.4	0
144	Essential Oil-Based Nanoemulsion Formation by Low- and High-Energy Methods and Their Application in Food Preservation against Food Spoilage Microorganisms. , 2016, , 93-100.		5

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145	Neem (<i>Azadirachta indica</i>) Oils. , 2016, , 593-599.		8
146	Acute toxicity and accumulation of ZnO NPs in <i>Ceriodaphnia dubia</i> : Relative contributions of dissolved ions and particles. <i>Aquatic Toxicology</i> , 2016, 177, 494-502.	4.0	26
147	Acetylcholinesterase (AChE)-mediated immobilization of silver nanoparticles for the detection of organophosphorus pesticides. <i>RSC Advances</i> , 2016, 6, 64769-64777.	3.6	17
148	Determination of mercury(Hg^{2+}) ions in aqueous solution using silver nanorods as a probe. <i>Analytical Methods</i> , 2016, 8, 3756-3762.	2.7	11
149	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.	3.6	23
150	Differential toxicity of Al_2O_3 particles on Gram-positive and Gram-negative sediment bacterial isolates from freshwater. <i>Environmental Science and Pollution Research</i> , 2016, 23, 12095-12106.	5.3	24
151	Differential effects of P25 TiO_2 nanoparticles on freshwater green microalgae: <i>Chlorella</i> and <i>Scenedesmus</i> species. <i>Aquatic Toxicology</i> , 2016, 176, 161-171.	4.0	44
152	Enhanced Cr(VI) Removal by Nanozerovalent Iron-Immobilized Alginate Beads in the Presence of a Biofilm in a Continuous-Flow Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 5973-5982.	3.7	49
153	Individual, co-transport and deposition of TiO_2 and ZnO nanoparticles over quartz sand coated with consortium biofilm. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 3954-3960.	6.7	5
154	Scale-up synthesis of zero-valent iron nanoparticles and their applications for synergistic degradation of pollutants with sodium borohydride. <i>Journal of Molecular Liquids</i> , 2016, 224, 589-598.	4.9	29
155	Nanodiamond: Growth and Characterization of Nanocrystalline Diamond Films on Different Substrates. , 2016, , 702-713.		0
156	Cytogenetic evaluation of gold nanorods using <i>Allium cepa</i> test. <i>Plant Physiology and Biochemistry</i> , 2016, 109, 209-219.	5.8	28
157	Role of PAMAM-OH dendrimers against the fibrillation pathway of biomolecules. <i>International Journal of Biological Macromolecules</i> , 2016, 93, 1007-1018.	7.5	4
158	Seaweeds as an alternative therapeutic source for aquatic disease management. <i>Aquaculture</i> , 2016, 464, 529-536.	3.5	55
159	Individual and binary toxicity of anatase and rutile nanoparticles towards <i>Ceriodaphnia dubia</i> . <i>Aquatic Toxicology</i> , 2016, 178, 209-221.	4.0	29
160	Comparative cytotoxic and genotoxic effects of permethrin and its nanometric form on human erythrocytes and lymphocytes <i>in vitro</i> . <i>Chemico-Biological Interactions</i> , 2016, 257, 119-124.	4.0	27
161	Essential oil micro- and nanoemulsions: promising roles in antimicrobial therapy targeting human pathogens. <i>Letters in Applied Microbiology</i> , 2016, 63, 322-334.	2.2	48
162	Elucidating the role of surfactant dispersed CNTs towards HSA fibrillation <i>in vitro</i> – A multiple spectroscopic approach. <i>Journal of Molecular Liquids</i> , 2016, 221, 714-720.	4.9	3

#	ARTICLE	IF	CITATIONS
163	Prion like behavior of HSA-hydroxylated MWCNT interface. Journal of Photochemistry and Photobiology B: Biology, 2016, 161, 411-421.	3.8	1
164	Antibacterial and antifouling activities of chitosan/TiO ₂ /Ag NPs nanocomposite films against packaged drinking water bacterial isolates. Environmental Science and Pollution Research, 2016, 23, 19529-19540.	5.3	30
165	Stability assessment of hydro dispersive nanometric permethrin and its biosafety study towards the beneficial bacterial isolate from paddy rhizome. Environmental Science and Pollution Research, 2016, 23, 24970-24982.	5.3	20
166	Fluorescence Based Study for Melamine Detection Using Gold Colloidal Solutions. Journal of Fluorescence, 2016, 26, 2225-2235.	2.5	5
167	Anti-aggregation-based spectrometric detection of Hg(II) at physiological pH using gold nanorods. Materials Science and Engineering C, 2016, 67, 711-716.	7.3	18
168	Fluorometric sensing of endotoxin based on aggregation of CTAB capped gold nanospheres. Journal of Luminescence, 2016, 178, 106-114.	3.1	7
169	Nanoemulsion of orange oil with non ionic surfactant produced emulsion using ultrasonication technique: evaluating against food spoilage yeast. Applied Nanoscience (Switzerland), 2016, 6, 113-120.	3.1	73
170	Surface capping and size-dependent toxicity of gold nanoparticles on different trophic levels. Environmental Science and Pollution Research, 2016, 23, 4844-4858.	5.3	67
171	DNA damage and mitochondria-mediated apoptosis of A549 lung carcinoma cells induced by biosynthesised silver and platinum nanoparticles. RSC Advances, 2016, 6, 27775-27787.	3.6	44
172	Spectrofluorimetric determination of Hg ²⁺ and Pb ²⁺ using acetylcholinesterase (AChE)-based formation of silver nanoparticles. RSC Advances, 2016, 6, 21261-21270.	3.6	9
173	State-of-the-art strategies for the colorimetric detection of heavy metals using gold nanorods based on aspect ratio reduction. Analytical Methods, 2016, 8, 2131-2137.	2.7	24
174	Existence of hydroxylated MWCNTs demotes the catalysis effect of amylases against starch degradation. International Journal of Biological Macromolecules, 2016, 86, 250-261.	7.5	6
175	Toxicity evaluation of gold nanoparticles using an Allium cepa bioassay. RSC Advances, 2016, 6, 24000-24009.	3.6	68
176	Multiple spectroscopic studies on the interaction of BSA with pristine CNTs and their toxicity against Donax faba. Journal of Luminescence, 2016, 170, 141-149.	3.1	26
177	Differences in antibacterial activity of PMMA/TiO ₂ /Ag nanocomposite on individual dominant bacterial isolates from packaged drinking water, and their consortium under UVC and dark conditions. Applied Surface Science, 2016, 362, 93-101.	6.1	11
178	A comparative study with biologically and chemically synthesized nZVI: applications in Cr (VI) removal and ecotoxicity assessment using indigenous microorganisms from chromium-contaminated site. Environmental Science and Pollution Research, 2016, 23, 2613-2627.	5.3	50
179	A Temporal Study on the Effects of TiO ₂ Nanoparticles in a Fresh Water Microcosm. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2016, 86, 415-420.	1.0	1
180	Comparative cytotoxicity and genotoxicity of cobalt (II, III) oxide, iron (III) oxide, silicon dioxide, and aluminum oxide nanoparticles on human lymphocytes in vitro. Human and Experimental Toxicology, 2016, 35, 170-183.	2.2	93

#	ARTICLE	IF	CITATIONS
181	Active Compounds Encapsulated Nanoemulsion Systems and Their Application: A Review. <i>Journal of Bionanoscience</i> , 2016, 10, 435-443.	0.4	2
182	Label-Free Colorimetric Detection of Bacterial Lipopolysaccharide in Food Samples Using Gold Nanorods. <i>Sensor Letters</i> , 2016, 14, 19-25.	0.4	3
183	Spectroscopic Approaches for Studying Protein-Nanoparticle Corona and Fibrillation & In Vitro. <i>Journal of Bionanoscience</i> , 2016, 10, 94-109.	0.4	0
184	The Environmentally Benign form of Pesticide in Hydrodispersive Nanometric form with Improved Efficacy Against Adult Mosquitoes at Low Exposure Concentrations. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2015, 95, 734-739.	2.7	15
185	Studies on photo-assisted removal of Cr(VI) by ZnO particles. <i>Canadian Journal of Chemical Engineering</i> , 2015, 93, 1091-1100.	1.7	5
186	Spectroscopic Studies on TiO ₂ Nanoparticles-Bovine Serum Albumin Interaction Under Visible Light and Dark Conditions. <i>Asian Journal of Chemistry</i> , 2015, 27, 1798-1804.	0.3	0
187	Removal of Cr(VI) by Immobilized Consortium of Freshwater Microalgae in Batch and Continuous System. <i>Asian Journal of Chemistry</i> , 2015, 27, 2161-2170.	0.3	2
188	Biobased silver nanocolloid coating on silk fibers for prevention of post-surgical wound infections. <i>International Journal of Nanomedicine</i> , 2015, 10 Suppl 1, 159.	6.7	20
189	Individual and Co Transport Study of Titanium Dioxide NPs and Zinc Oxide NPs in Porous Media. <i>PLoS ONE</i> , 2015, 10, e0134796.	2.5	12
190	Decreased Phototoxic Effects of TiO ₂ Nanoparticles in Consortium of Bacterial Isolates from Domestic Waste Water. <i>PLoS ONE</i> , 2015, 10, e0141301.	2.5	10
191	Antibacterial activity of neem nanoemulsion and its toxicity assessment on human lymphocytes in vitro. <i>International Journal of Nanomedicine</i> , 2015, 10 Suppl 1, 77.	6.7	23
192	Eucalyptus oil nanoemulsion-impregnated chitosan film: antibacterial effects against a clinical pathogen, <i>Staphylococcus aureus</i> , in vitro. <i>International Journal of Nanomedicine</i> , 2015, 10 Suppl 1, 67.	6.7	32
193	Investigation of seaweed extracts as a source of treatment against bacterial fish pathogen. <i>Aquaculture</i> , 2015, 448, 82-86.	3.5	21
194	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.	2.7	15
195	Nanoemulsion formation and characterization by spontaneous emulsification: Investigation of its antibacterial effects on <i>Listeria monocytogenes</i> . <i>Asian Journal of Pharmaceutics (discontinued)</i> , 2015, 9, 23.	0.4	33
196	Multi-band antenna using defective ground structure. , 2015, , .		2
197	Comprehensive spectroscopic studies on the interaction of biomolecules with surfactant detached multi-walled carbon nanotubes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 128, 315-321.	5.0	8
198	Combined toxicity of two crystalline phases (anatase and rutile) of Titania nanoparticles towards freshwater microalgae: <i>Chlorella sp.</i> <i>Aquatic Toxicology</i> , 2015, 161, 154-169.	4.0	116

#	ARTICLE	IF	CITATIONS
199	Multiple spectroscopic studies of the structural conformational changes of human serum albuminâ€”Essential oil based nanoemulsions conjugates. <i>Journal of Luminescence</i> , 2015, 161, 187-197.	3.1	14
200	An ultrasensitive colorimetric sensor for efficient detection of Hg ²⁺ at physiological pH. <i>Analytical Methods</i> , 2015, 7, 2268-2272.	2.7	3
201	Vibrational spectroscopic investigation on interaction of sago starch capped silver nanoparticles with collagen: a comparative physicochemical study using FT-IR and FT-Raman techniques. <i>RSC Advances</i> , 2015, 5, 15763-15771.	3.6	33
202	Colorimetric detection of melamine based on the size effect of AuNPs. <i>Analytical Methods</i> , 2015, 7, 1453-1462.	2.7	34
203	Nanoformulation of poly(ethylene glycol) polymerized organic insect repellent by PIT emulsification method and its application for Japanese encephalitis vector control. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 128, 370-378.	5.0	41
204	Synthesis, characterization and evaluation of collagen scaffolds crosslinked with aminosilane functionalized silver nanoparticles: in vitro and in vivo studies. <i>Journal of Materials Chemistry B</i> , 2015, 3, 3032-3043.	5.8	39
205	Cytotoxicity of ZnO NPs towards fresh water algae <i>Scenedesmus obliquus</i> at low exposure concentrations in UV-C, visible and dark conditions. <i>Aquatic Toxicology</i> , 2015, 162, 29-38.	4.0	101
206	Cytotoxicity of titania nanoparticles towards waste water isolate <i>Exiguobacterium acetylicum</i> under UVA, visible light and dark conditions. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 1837-1846.	6.7	9
207	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.	3.6	32
208	Studies on Cr(VI) removal from aqueous solutions by nanotitania under visible light and dark conditions. <i>Bulletin of Materials Science</i> , 2015, 38, 393-400.	1.7	2
209	Reply to the â€”Comment on â€”Simple fluorescence-based detection of Cr(III) and Cr(VI) using unmodified gold nanoparticlesâ€” 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.	2.7	0
210	Cytotoxicity of aluminum oxide nanoparticles on <i>Allium cepa</i> root tipâ€”effects of oxidative stress generation and biouptake. <i>Environmental Science and Pollution Research</i> , 2015, 22, 11057-11066.	5.3	97
211	Differential solvent extraction of two seaweeds and their efficacy in controlling <i>Aeromonas salmonicida</i> infection in <i>Oreochromis mossambicus</i> : A novel therapeutic approach. <i>Aquaculture</i> , 2015, 443, 56-64.	3.5	35
212	Probing the interaction of neem oil based nanoemulsion with bovine and human serum albumins using multiple spectroscopic techniques. <i>Journal of Molecular Liquids</i> , 2015, 212, 283-290.	4.9	29
213	Cytogenetic studies of chromium (III) oxide nanoparticles on <i>Allium cepa</i> root tip cells. <i>Journal of Environmental Sciences</i> , 2015, 38, 150-157.	6.1	31
214	Binding studies of hydroxylated Multi-Walled Carbon Nanotubes to hemoglobin, gamma globulin and transferrin. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 153, 222-232.	3.8	25
215	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.	4.7	27
216	In vivo and in vitro antimicrobial activity of <i>Azadirachta indica</i> (Lin) against <i>Citrobacter freundii</i> isolated from naturally infected <i>Tilapia</i> (<i>Oreochromis mossambicus</i>). <i>Aquaculture</i> , 2015, 437, 252-255.	3.5	56

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217	Acetylcholinesterase inhibition-based colorimetric determination of Hg ²⁺ using unmodified silver nanoparticles. <i>New Journal of Chemistry</i> , 2015, 39, 1172-1178.	2.8	14
218	In Vivo Genotoxicity Assessment of Titanium Dioxide Nanoparticles by <i>Allium cepa</i> Root Tip Assay at High Exposure Concentrations. <i>PLoS ONE</i> , 2014, 9, e87789.	2.5	152
219	Adsorptive Removal of Cr(VI) by <i>Acinetobacter junii</i> VITSUKMW3 Immobilized on Coconut Fiber in Batch and Continuous Flow Reactor. <i>Asian Journal of Chemistry</i> , 2014, 26, 2649-2654.	0.3	2
220	Nanoemulsion of eucalyptus oil and its larvicidal activity against <i>Culex quinquefasciatus</i> . <i>Bulletin of Entomological Research</i> , 2014, 104, 393-402.	1.0	158
221	Nanoemulsion of eucalyptus oil and its larvicidal activity against <i>Culex quinquefasciatus</i> – CORRIGENDUM. <i>Bulletin of Entomological Research</i> , 2014, 104, 403-403.	1.0	1
222	Study on antimicrobial potential of neem oil nanoemulsion against <i>Pseudomonas aeruginosa</i> infection in <i>Labeo rohita</i> . <i>Biotechnology and Applied Biochemistry</i> , 2014, 61, 611-619.	3.1	24
223	Toxic behavior of silver and zinc oxide nanoparticles on environmental microorganisms. <i>Journal of Basic Microbiology</i> , 2014, 54, 916-927.	3.3	45
224	Spectroscopic studies on the interaction of bovine serum albumin with Al ₂ O ₃ nanoparticles. <i>Journal of Luminescence</i> , 2014, 145, 859-865.	3.1	38
225	Sunlight Irradiation Induced Green Synthesis of Stable Silver Nanoparticles Using Citrus limon Extract. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2014, 84, 65-70.	1.0	24
226	Trophic transfer potential of aluminium oxide nanoparticles using representative primary producer (<i>Chlorella ellipsoides</i>) and a primary consumer (<i>Ceriodaphnia dubia</i>). <i>Aquatic Toxicology</i> , 2014, 152, 74-81.	4.0	31
227	Studies on the effect of AgNP binding on Î±-amylase structure of porcine pancreas and <i>Bacillus subtilis</i> by multi-spectroscopic methods. <i>Journal of Luminescence</i> , 2014, 146, 263-268.	3.1	13
228	Cancerous cell targeting and destruction using pH stabilized amperometric bioconjugated gold nanoparticles from marine macroalgae, <i>Padina gymnospora</i> . <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 1859-1869.	3.4	8
229	Eugenol-loaded antimicrobial nanoemulsion preserves fruit juice against, microbial spoilage. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 114, 392-397.	5.0	194
230	Pathogenicity of <i>Pseudomonas aeruginosa</i> in <i>Oreochromis mossambicus</i> and treatment using lime oil nanoemulsion. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 116, 372-377.	5.0	84
231	Optimization of Process Parameters to Formulate Nanoemulsion by Spontaneous Emulsification: Evaluation of Larvicidal Activity Against <i>Culex quinquefasciatus</i> Larva. <i>BioNanoScience</i> , 2014, 4, 157-165.	3.5	16
232	Toxic effect of Cr(VI) in presence of n-TiO ₂ and n-Al ₂ O ₃ particles towards freshwater microalgae. <i>Aquatic Toxicology</i> , 2014, 146, 28-37.	4.0	43
233	Ultrasonic emulsification of eucalyptus oil nanoemulsion: Antibacterial activity against <i>Staphylococcus aureus</i> and wound healing activity in Wistar rats. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 1044-1049.	8.2	153
234	Simple fluorescence-based detection of Cr(III) and Cr(VI) using unmodified gold nanoparticles. <i>Analytical Methods</i> , 2014, 6, 9554-9560.	2.7	36

#	ARTICLE	IF	CITATIONS
235	Cytotoxicity of TiO ₂ nanoparticles towards freshwater sediment microorganisms at low exposure concentrations. <i>Environmental Research</i> , 2014, 135, 333-345.	7.5	38
236	Autocatalytic growth of biofunctionalized antibacterial silver nanoparticles. <i>Biotechnology and Applied Biochemistry</i> , 2014, 61, 322-332.	3.1	15
237	Antioxidant and antibacterial activity of <i>Chaetomorpha antennina</i> against shrimp pathogen <i>Vibrio parahaemolyticus</i> . <i>Aquaculture</i> , 2014, 433, 467-475.	3.5	60
238	Qualitative toxicity assessment of silver nanoparticles on the fresh water bacterial isolates and consortium at low level of exposure concentration. <i>Ecotoxicology and Environmental Safety</i> , 2014, 108, 152-160.	6.0	15
239	Preparation and characterization of layer-by-layer coated nano metal oxides-polymer composite film using Taguchi design method for Cr(VI) removal. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 1937-1946.	6.7	18
240	Haemocompatibility assessment of synthesised platinum nanoparticles and its implication in biology. <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 991-997.	3.4	38
241	A comparative ecotoxicity analysis of $\hat{1}\pm$ - and $\hat{1}^3$ -phase aluminium oxide nanoparticles towards a freshwater bacterial isolate <i>Bacillus licheniformis</i> . <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 2415-2423.	3.4	13
242	Simple colorimetric sensor for Cr(III) and Cr(VI) speciation using silver nanoparticles as a probe. <i>Analytical Methods</i> , 2014, 6, 5161.	2.7	78
243	Different modes of TiO ₂ uptake by <i>Ceriodaphnia dubia</i> : Relevance to toxicity and bioaccumulation. <i>Aquatic Toxicology</i> , 2014, 152, 139-146.	4.0	34
244	Studies on interfacial interactions of TiO ₂ nanoparticles with bacterial cells under light and dark conditions. <i>Bulletin of Materials Science</i> , 2014, 37, 371-381.	1.7	20
245	Enhanced activity of lysozyme-AgNP conjugate with synergic antibacterial effect without damaging the catalytic site of lysozyme. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2014, 42, 336-343.	2.8	28
246	Particle Size Reduction of Ramipril Using Cinnamon Oil Based Microemulsion System and Acute Toxicity of the Vehicle in Female Wistar Rats. <i>Journal of Bionanoscience</i> , 2014, 8, 66-73.	0.4	1
247	Assessing the Toxicity Profile of Clove Oil Microemulsion System. <i>Journal of Bionanoscience</i> , 2014, 8, 96-100.	0.4	0
248	Microencapsulation of Azithromycin Shows Improved Anti-Bacterial Efficacy. <i>Journal of Bionanoscience</i> , 2014, 8, 213-218.	0.4	0
249	Synthesis, Characterization and Application of Silver Nanoparticles as Chemical and Biological Sensors Towards Metal Ion Sensing. <i>Sensor Letters</i> , 2014, 12, 1694-1702.	0.4	0
250	Design and Formulation Technique of a Novel Drug Delivery System for Azithromycin and its Anti-Bacterial Activity Against <i>Staphylococcus aureus</i> . <i>AAPS PharmSciTech</i> , 2013, 14, 1045-1054.	3.3	3
251	Collagen based magnetic nanobiocomposite as MRI contrast agent and for targeted delivery in cancer therapy. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 4628-4633.	2.4	21
252	Studies on pathogenicity of <i>Aeromonas salmonicida</i> in catfish <i>Clarias batrachus</i> and control measures by neem nanoemulsion. <i>Aquaculture</i> , 2013, 396-399, 71-75.	3.5	34

#	ARTICLE	IF	CITATIONS
253	Distinctive effects of nano-sized permethrin in the environment. <i>Environmental Science and Pollution Research</i> , 2013, 20, 2593-2602.	5.3	104
254	Differential interaction of silver nanoparticles with cysteine. <i>Journal of Experimental Nanoscience</i> , 2013, 8, 589-595.	2.4	22
255	Cytotoxicity of TiO ₂ nanoparticles and their detoxification in a freshwater system. <i>Aquatic Toxicology</i> , 2013, 138-139, 1-11.	4.0	71
256	Simple colorimetric detection of Cr(III) in aqueous solutions by as synthesized citrate capped gold nanoparticles and development of a paper based assay. <i>Analytical Methods</i> , 2013, 5, 6211.	2.7	43
257	Improved efficacy of fluconazole against candidiasis using bio-based microemulsion technique. <i>Biotechnology and Applied Biochemistry</i> , 2013, 60, 417-429.	3.1	15
258	Biomediated synthesis of silver nanodendrites. , 2013, , .		1
259	Comparative assessment of the phytotoxicity of silver and platinum nanoparticles. , 2013, , .		1
260	Batch and continuous flow studies of adsorptive removal of Cr(VI) by adapted bacterial consortia immobilized in alginate beads. <i>Bioresource Technology</i> , 2013, 128, 423-430.	9.6	81
261	Ultrasonic emulsification of food-grade nanoemulsion formulation and evaluation of its bactericidal activity. <i>Ultrasonics Sonochemistry</i> , 2013, 20, 338-344.	8.2	343
262	Cytotoxicity of aluminium oxide nanoparticles towards fresh water algal isolate at low exposure concentrations. <i>Aquatic Toxicology</i> , 2013, 132-133, 34-45.	4.0	106
263	Antibacterial microemulsion prevents sepsis and triggers healing of wound in wistar rats. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 105, 152-157.	5.0	74
264	The differential stress response of adapted chromite mine isolates <i>Bacillus subtilis</i> and <i>Escherichia coli</i> and its impact on bioremediation potential. <i>Biodegradation</i> , 2013, 24, 829-842.	3.0	19
265	Bio-based nanoemulsion formulation, characterization and antibacterial activity against food-borne pathogens. <i>Journal of Basic Microbiology</i> , 2013, 53, 677-685.	3.3	74
266	Cinnamon Oil Nanoemulsion Formulation by Ultrasonic Emulsification: Investigation of Its Bactericidal Activity. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 114-122.	0.9	144
267	Poly(ethylene) glycol-capped silver and magnetic nanoparticles: Synthesis, characterization, and comparison of bactericidal and cytotoxic effects. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2013, 227, 1224-1236.	1.8	21
268	Biophysical Investigation of α -Amylase Conjugated Silver Nanoparticles Proves Structural Changes Besides Increasing Its Enzyme Activity. <i>Journal of Bionanoscience</i> , 2013, 7, 271-275.	0.4	13
269	Acute Toxicity of TiO ₂ Nanoparticles to <i>Ceriodaphnia dubia</i> under Visible Light and Dark Conditions in a Freshwater System. <i>PLoS ONE</i> , 2013, 8, e62970.	2.5	51
270	<i>Ceriodaphnia dubia</i> as a Potential Bio-Indicator for Assessing Acute Aluminum Oxide Nanoparticle Toxicity in Fresh Water Environment. <i>PLoS ONE</i> , 2013, 8, e74003.	2.5	61

#	ARTICLE	IF	CITATIONS
271	<I>Padina tetrastomatica</I>: A Potential Source for the Synthesis of Silver Nanoparticles and Its Antibacterial Efficiency. <i>Advanced Science, Engineering and Medicine</i> , 2013, 5, 926-931.	0.3	2
272	Influence of Process Parameters on Droplet Size of Nanoemulsion Formulated by Ultrasound Cavitation. <i>Journal of Bionanoscience</i> , 2013, 7, 580-584.	0.4	1
273	Process Development for Functionalization of Cotton with Silver Nanoparticles Synthesized by Bio-based Approaches. <i>Current Nanoscience</i> , 2013, 9, 479-488.	1.2	4
274	Studies on Differential Behavior of Silver Nanoparticles Towards Thiol Containing Amino Acids. <i>Current Nanoscience</i> , 2012, 8, 141-149.	1.2	31
275	Studies on fluorescence determination of nanomolar Cr(iii) in aqueous solutions using unmodified silver nanoparticles. <i>Analytical Methods</i> , 2012, 4, 3407.	2.7	19
276	Biosynthesis of silver nanoparticles using actinobacterium <sc><i>S</i></sc> <i>treptomyces albogriseolus</i> and its antibacterial activity. <i>Biotechnology and Applied Biochemistry</i> , 2012, 59, 503-507.	3.1	43
277	Bovine serum albumin mediated decrease in silver nanoparticle phytotoxicity: root elongation and seed germination assay. <i>Toxicological and Environmental Chemistry</i> , 2012, 94, 91-98.	1.2	24
278	Hexavalent Chromium Bioremoval through Adaptation and Consortia Development from Sukinda Chromite Mine Isolates. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 3740-3749.	3.7	44
279	Biodegradable polymer based encapsulation of neem oil nanoemulsion for controlled release of Aza-A. <i>Carbohydrate Polymers</i> , 2012, 90, 1750-1756.	10.2	110
280	Studies on Cr(VI) Removal from Aqueous Solutions by Nanoalumina. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 15242-15250.	3.7	35
281	A temporal study on fate of Al ₂ O ₃ nanoparticles in a fresh water microcosm at environmentally relevant low concentrations. <i>Ecotoxicology and Environmental Safety</i> , 2012, 84, 70-77.	6.0	18
282	Neem oil (<i>Azadirachta indica</i>) nanoemulsionâ€™ a potent larvicidal agent against <i>Culex quinquefasciatus</i>. <i>Pest Management Science</i> , 2012, 68, 158-163.	3.4	248
283	A comparative cytotoxicity study of TiO ₂ nanoparticles under light and dark conditions at low exposure concentrations. <i>Toxicology Research</i> , 2012, 1, 116.	2.1	134
284	Bio-reduction of Cr(VI) by exopolysaccharides (EPS) from indigenous bacterial species of Sukinda chromite mine, India. <i>Biodegradation</i> , 2012, 23, 487-496.	3.0	92
285	Silver nanoparticles: a potential nanocatalyst for the rapid degradation of starch hydrolysis by Î±-amylase. <i>Carbohydrate Research</i> , 2012, 352, 60-64.	2.3	54
286	Comparative kinetics, equilibrium, thermodynamic and mechanistic studies on biosorption of hexavalent chromium by live and heat killed biomass of <i>Acinetobacter junii</i> VITSUKMW2, an indigenous chromite mine isolate. <i>Chemical Engineering Journal</i> , 2012, 187, 104-113.	12.7	64
287	Adsorptive removal of silver nanoparticles (SNPs) from aqueous solution by <i>Aeromonas punctata</i> and its adsorption isotherm and kinetics. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 92, 156-160.	5.0	47
288	Selective colorimetric detection of nanomolar Cr (VI) in aqueous solutions using unmodified silver nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2012, 166-167, 365-371.	7.8	114

#	ARTICLE	IF	CITATIONS
289	Enhancing the Hexavalent Chromium Bioremediation Potential of <i>Acinetobacter junii</i> VITSUKMW2 Using Statistical Design Experiments. <i>Journal of Microbiology and Biotechnology</i> , 2012, 22, 1767-1775.	2.1	20
290	Plants as Indicators of Nanoparticles Toxicity. , 2012, , 29-52.		0
291	Cytotoxicity of Al ₂ O ₃ Nanoparticles at Low Exposure Levels to a Freshwater Bacterial Isolate. <i>Chemical Research in Toxicology</i> , 2011, 24, 1899-1904.	3.3	68
292	Ecotoxicity study of titania (TiO ₂) NPs on two microalgae species: <i>Scenedesmus</i> sp. and <i>Chlorella</i> sp.. <i>Ecotoxicology and Environmental Safety</i> , 2011, 74, 1180-1187.	6.0	144
293	Impact of exopolysaccharides on the stability of silver nanoparticles in water. <i>Water Research</i> , 2011, 45, 5184-5190.	11.3	75
294	Selective colorimetric sensing of cysteine in aqueous solutions using silver nanoparticles in the presence of Cr ³⁺ . <i>Talanta</i> , 2011, 85, 533-540.	5.5	82
295	Bioremoval of trivalent chromium using <i>Bacillus</i> biofilms through continuous flow reactor. <i>Journal of Hazardous Materials</i> , 2011, 196, 44-51.	12.4	30
296	Silver nanoparticles tolerant bacteria from sewage environment. <i>Journal of Environmental Sciences</i> , 2011, 23, 346-352.	6.1	33
297	Studies on aggregation behaviour of silver nanoparticles in aqueous matrices: Effect of surface functionalization and matrix composition. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 390, 216-224.	4.7	119
298	Studies on toxicity of aluminum oxide (Al ₂ O ₃) nanoparticles to microalgae species: <i>Scenedesmus</i> sp. and <i>Chlorella</i> sp.. <i>Journal of Nanoparticle Research</i> , 2011, 13, 3287-3299.	1.9	217
299	Biomimetic synthesis of silver nanoparticles by <i>Citrus limon</i> (lemon) aqueous extract and theoretical prediction of particle size. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 82, 152-159.	5.0	513
300	Bacterial tolerance to silver nanoparticles (SNPs): <i>Aeromonas punctata</i> isolated from sewage environment. <i>Journal of Basic Microbiology</i> , 2011, 51, 183-190.	3.3	34
301	Kinetic evolution studies of silver nanoparticles in a bio-based green synthesis process. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 377, 212-216.	4.7	107
302	Interaction of colloidal silver nanoparticles (SNPs) with exopolysaccharides (EPS) and its adsorption isotherms and kinetics. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 381, 99-105.	4.7	24
303	Studies on interaction of colloidal silver nanoparticles (SNPs) with five different bacterial species. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 87, 129-138.	5.0	80
304	Cr (III) bioremoval capacities of indigenous and adapted bacterial strains from Palar river basin. <i>Journal of Hazardous Materials</i> , 2011, 187, 553-561.	12.4	46
305	Cytogenetic and genotoxic effects of zinc oxide nanoparticles on root cells of <i>Allium cepa</i> . <i>Journal of Hazardous Materials</i> , 2011, 190, 613-621.	12.4	329
306	Interaction of silver nanoparticles (SNPs) with bacterial extracellular proteins (ECPs) and its adsorption isotherms and kinetics. <i>Journal of Hazardous Materials</i> , 2011, 192, 299-306.	12.4	65

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307	Process variables in biomimetic synthesis of silver nanoparticles by aqueous extract of <i>Azadirachta indica</i> (Neem) leaves. <i>Journal of Nanoparticle Research</i> , 2010, 12, 237-246.	1.9	316
308	Studies on interaction of colloidal Ag nanoparticles with Bovine Serum Albumin (BSA). <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 76, 32-37.	5.0	228
309	Studies on Effect of TiO ₂ Nanoparticles on Growth and Membrane Permeability of <i>Escherichia coli</i> , <i>Pseudomonas aeruginosa</i> , and <i>Bacillus subtilis</i> . <i>Current Nanoscience</i> , 2010, 6, 381-387.	1.2	38
310	Formulation of water-dispersible nanopermethrin for larvicidal applications. <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 1932-1936.	6.0	137
311	Antibacterial Applications of Silver Nanoparticles Synthesized by Aqueous Extract of <i>Azadirachta Indica</i> (Neem) Leaves. <i>Journal of Biomedical Nanotechnology</i> , 2009, 5, 93-98.	1.1	143
312	Genotoxicity of silver nanoparticles in <i>Allium cepa</i> . <i>Science of the Total Environment</i> , 2009, 407, 5243-5246.	8.0	522
313	Antimicrobial sensitivity of <i>Escherichia coli</i> to alumina nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2009, 5, 282-286.	3.3	238
314	Role of the Met287Thr polymorphism in the AS3MT gene on the metabolic arsenic profile. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008, 637, 80-92.	1.0	73
315	High arsenic metabolic efficiency in AS3MT 287Thr allele carriers. <i>Pharmacogenetics and Genomics</i> , 2008, 18, 349-355.	1.5	56
316	Metabolic Profile in Workers Occupationally Exposed to Arsenic: Role of GST Polymorphisms. <i>Journal of Occupational and Environmental Medicine</i> , 2006, 48, 334-341.	1.7	41
317	Two-Dimensional Mapping of Copper and Zinc in Liver Sections by Laser Ablation-Inductively Coupled Plasma Mass Spectrometry. <i>Clinical Chemistry</i> , 2003, 49, 1916-1923.	3.2	135
318	Speciation of arsenic in tube-well water samples collected from West Bengal, India, by high-performance liquid chromatography-inductively coupled plasma mass spectrometry. <i>Applied Organometallic Chemistry</i> , 2002, 16, 202-209.	3.5	81
319	Urinary arsenic species in an arsenic-affected area of West Bengal, India. <i>Applied Organometallic Chemistry</i> , 2002, 16, 406-414.	3.5	16
320	High performance liquid chromatography inductively coupled plasma mass spectrometry for speciation of arsenic compounds in urine. <i>Microchemical Journal</i> , 2000, 65, 113-127.	4.5	54
321	Handbook of Metal-Microbe Interactions and Bioremediation. , 0, , .		26