

Amitava Mukherjee

List of Publications by Year in Descending Order

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Version: 2024-04-20

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

325
papers

10,001
citations

51
h-index

86
g-index

345
ext. papers

11,632
ext. citations

5
avg, IF

6.71
L-index

#	Paper	IF	Citations
325	Nanoemulsion. <i>Advances in Chemical and Materials Engineering Book Series</i> , 2022 , 307-329	0.2	
324	Polystyrene nanoplastics diminish the toxic effects of Nano-TiO in marine algae <i>Chlorella</i> sp. <i>Environmental Research</i> , 2022 , 204, 112400	7.9	1
323	Synergistic removal of tetracycline and copper (II) by in-situ B-Fe/Ni nanocomposite: A novel and an environmentally sustainable green nanomaterial. <i>Environmental Technology and Innovation</i> , 2022 , 25, 102187	7	
322	FeO-urea nanocomposites as a novel nitrogen fertilizer for improving nutrient utilization efficiency and reducing environmental pollution. <i>Environmental Pollution</i> , 2022 , 292, 118301	9.3	1
321	Ecotoxicity of Nanomaterials to Freshwater Microalgae and Fish 2022 , 143-160		0
320	Eco-corona reduces the phytotoxic effects of polystyrene nanoplastics in <i>Allium cepa</i> : Emphasizing the role of ROS. <i>Environmental and Experimental Botany</i> , 2022 , 198, 104850	5.9	0
319	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	3.2	2
318	Female mosquito-a potential vector for transporting plastic residues to humans.. <i>Chemosphere</i> , 2022 , 134666	8.4	1
317	Exposure to polystyrene nanoplastics impairs lipid metabolism in human and murine macrophages in vitro.. <i>Ecotoxicology and Environmental Safety</i> , 2022 , 238, 113612	7	1
316	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	5.1	0
315	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 , 104029	3.9	0
314	Plastic particles in medicine: A systematic review of exposure and effects to human health. <i>Chemosphere</i> , 2022 , 135227	8.4	1
313	Studies on the removal of acid violet 7 dye from aqueous solutions by green ZnO@FeO chitosan-alginate nanocomposite synthesized using <i>Camellia sinensis</i> extract. <i>Journal of Environmental Management</i> , 2021 , 303, 114128	7.9	0
312	Nanosized Emulsion System: A Comprehensive Tool Towards Controlling Vector Mosquito Populations 2021 , 359-368		
311	Mixture toxicity of TiO 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> , 2021 , 812, 152241	10.2	0
310	Interactive effects of micro/nanoplastics and nanomaterials/pharmaceuticals: Their ecotoxicological consequences in the aquatic systems. <i>Aquatic Toxicology</i> , 2021 , 232, 105747	5.1	8
309	Eco-corona formation on the nanomaterials in the aquatic systems lessens their toxic impact: A comprehensive review. <i>Environmental Research</i> , 2021 , 194, 110669	7.9	9

308	Cadmium selenide (CdSe) quantum dots cause genotoxicity and oxidative stress in <i>Allium cepa</i> plants. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2021 , 865, 503338	3	5
307	Iron-pulsing, a novel seed invigoration technique to enhance crop yield in rice: A journey from lab to field aiming towards sustainable agriculture. <i>Science of the Total Environment</i> , 2021 , 769, 144671	10.2	3
306	Nanoprimering with zero-valent iron synthesized using pomegranate peel waste: A "green" approach for yield enhancement in <i>Oryza sativa</i> L. cv. Gonindobhog. <i>Plant Physiology and Biochemistry</i> , 2021 , 163, 261-275	5.4	3
305	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	2.6	
304	Polystyrene nanoplastics dysregulate lipid metabolism in murine macrophages in vitro. <i>Toxicology</i> , 2021 , 458, 152850	4.4	5
303	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	6.6	11
302	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	5.8	5
301	Role of triclosan microemulsion against triclosan resistant clones of bacterial pathogens. <i>Journal of Drug Delivery Science and Technology</i> , 2021 , 61, 102158	4.5	5
300	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	9.3	10
299	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	8.4	11
298	Exploring the interactions between protein coronated CdSe quantum dots and nanoplastics. <i>New Journal of Chemistry</i> , 2021 , 45, 7951-7958	3.6	2
297	Eugenol micro-emulsion reinforced with silver nanocomposite electrospun mats for wound dressing strategies. <i>Materials Advances</i> , 2021 , 2, 2971-2988	3.3	5
296	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	2.6	3
295	Nano-Scale Zero Valent Iron (nZVI) Priming Enhances Yield, Alters Mineral Distribution and Grain Nutrient Content of L. cv. Gobindobhog: A Field Study. <i>Journal of Plant Growth Regulation</i> , 2021 , 1-24	4.7	14
294	Toxicity evaluation of nano-TiO in the presence of functionalized microplastics at two trophic levels: Algae and crustaceans. <i>Science of the Total Environment</i> , 2021 , 784, 147262	10.2	9
293	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	7.6	12
292	Elucidating ROS signaling networks and physiological changes involved in nanoscale zero valent iron primed rice seed germination sensu stricto. <i>Free Radical Biology and Medicine</i> , 2021 , 171, 11-25	7.8	3
291	Prospects on the nano-plastic particles internalization and induction of cellular response in human keratinocytes. <i>Particle and Fibre Toxicology</i> , 2021 , 18, 35	8.4	4

290	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	7.9	5
289	Ageing with algal EPS reduces the toxic effects of polystyrene nanoplastics in freshwater microalgae <i>Scenedesmus obliquus</i> . <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105978	6.8	3
288	Removal of methyl orange from aqueous solution using SRB supported Bio-Pd/Fe NPs. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021 , 16, 100561	3.3	1
287	The toxicological effects of titanium dioxide nanoparticles on marine microalgae 2021 , 479-493		
286	Green synthesized Fe/Pd and in-situ Bentonite-Fe/Pd composite for efficient tetracycline removal. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104126	6.8	8
285	Combined effects of nano-TiO and hexavalent chromium towards marine crustacean <i>Artemia salina</i> . <i>Aquatic Toxicology</i> , 2020 , 225, 105541	5.1	6
284	Mechanism of the oxidative stress-mediated increase in lipid accumulation by the bacterium, <i>R. opacus</i> PD630: Experimental analysis and genome-scale metabolic modeling. <i>Biotechnology and Bioengineering</i> , 2020 , 117, 1779-1788	4.9	2
283	Nanocomposites for Delivering Agrochemicals: A Comprehensive Review. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 3691-3702	5.7	41
282	Plain polystyrene microplastics reduce the toxic effects of ZnO particles on marine microalgae <i>Dunaliella salina</i> . <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104250	6.8	14
281	Nano-scale zero valent iron modulates Fe/Cd transporters and immobilizes soil Cd for production of Cd free rice. <i>Chemosphere</i> , 2020 , 260, 127533	8.4	15
280	Eco-corona formation lessens the toxic effects of polystyrene nanoplastics towards marine microalgae <i>Chlorella</i> sp. <i>Environmental Research</i> , 2020 , 188, 109842	7.9	31
279	In Vivo Testing and Extended Drug Release of Chitosan-Coated Itraconazole Loaded Microemulsion Using Volatile Oil <i>Thymus vulgaris</i> . <i>Revista Brasileira De Farmacognosia</i> , 2020 , 30, 279-289	2	3
278	UVB pre-irradiation of titanium dioxide nanoparticles is more detrimental to freshwater algae than UVA pre-irradiation. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104076	6.8	3
277	Batch and column study on tetracycline removal using green synthesized NiFe nanoparticles immobilized alginate beads. <i>Environmental Technology and Innovation</i> , 2020 , 17, 100520	7	13
276	Drug loaded essential oil microemulsions enhance photostability and evaluation of in vitro efficacy. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020 , 29, 101638	3.5	8
275	Novel enzymatic synthesis of core/shell AgNP/AuNC bimetallic nanostructure and its catalytic applications. <i>Journal of Molecular Liquids</i> , 2020 , 301, 112463	6	7
274	Tetracycline removal using green synthesized bimetallic nZVI-Cu and bentonite supported green nZVI-Cu nanocomposite: A comparative study. <i>Journal of Environmental Management</i> , 2020 , 254, 109812	7.9	29
273	A review on tetracycline removal from aqueous systems by advanced treatment techniques.. <i>RSC Advances</i> , 2020 , 10, 27081-27095	3.7	36

272	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	6.7	
271	Differential growth and metabolic responses induced by nano-scale zero valent iron in germinating seeds and seedlings of <i>Oryza sativa</i> L. cv. Swarna. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 204, 111104	7	4
270	Understanding the relevance of protein corona in nanoparticle-based therapeutics and diagnostics.. <i>RSC Advances</i> , 2020 , 10, 27161-27172	3.7	8
269	Development of thickness-tunable gold nanorods for anti-oxidant detection. <i>Materials Chemistry and Physics</i> , 2020 , 239, 122295	4.4	3
268	Investigating the potential use of an oleaginous bacterium, <i>Rhodococcus opacus</i> PD630, for nano-TiO remediation. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 27394-27406	5.1	3
267	Silver nanorods induced oxidative stress and chromosomal aberrations in the model. <i>IET Nanobiotechnology</i> , 2020 , 14, 161-166	2	4
266	Enhancement of nitrogen assimilation and photosynthetic efficiency by novel iron pulsing technique in <i>Oryza sativa</i> L. var Pankaj. <i>Plant Physiology and Biochemistry</i> , 2019 , 144, 207-221	5.4	8
265	Assessment on interactive prospectives of nanoplastics with plasma proteins and the toxicological impacts of virgin, coronated and environmentally released-nanoplastics. <i>Scientific Reports</i> , 2019 , 9, 8860	4.9	70
264	Diminishing bioavailability and toxicity of P25 TiO NPs during continuous exposure to marine algae <i>Chlorella</i> sp. <i>Chemosphere</i> , 2019 , 233, 363-372	8.4	16
263	Differential sensitivity of marine algae <i>Dunaliella salina</i> and <i>Chlorella</i> sp. to P25 TiO NPs. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 21394-21403	5.1	12
262	Essential oil nanoemulsions: antibacterial activity in contaminated fruit juices. <i>International Journal of Food Science and Technology</i> , 2019 , 54, 2802-2810	3.8	11
261	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	1.9	9
260	Advances in oral cancer detection. <i>Advances in Clinical Chemistry</i> , 2019 , 91, 181-200	5.8	31
259	Polymer/layered silicate nanocomposites as matrix for bioinsecticide formulations 2019 , 161-178		
258	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	5.1	8
257	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	7	11
256	Enhanced tetracycline removal by in-situ NiFe nanoparticles coated sand in column reactor. <i>Journal of Environmental Management</i> , 2019 , 236, 93-99	7.9	14
255	Effect of surface charge on peroxidase mimetic activity of gold nanorods (GNRs). <i>Materials Chemistry and Physics</i> , 2019 , 227, 242-249	4.4	3

254	Cinnamon and clove oil nanoemulsions: novel therapeutic options against vancomycin intermediate susceptible <i>Staphylococcus aureus</i> . <i>Applied Nanoscience (Switzerland)</i> , 2019 , 9, 1405-1415	3.3	9
253	Nanoscale zerovalent iron particles induce differential cytotoxicity, genotoxicity, oxidative stress and hemolytic responses in human lymphocytes and erythrocytes in vitro. <i>Journal of Applied Toxicology</i> , 2019 , 39, 1623-1639	4.1	1
252	Novel nano-bio (Nano Zerovalent Iron and <i>Klebsiella</i> sp.) composite beads for congo red removal using response surface methodology. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 103413	6.8	6
251	Anaerobic nano zero-valent iron granules for hexavalent chromium removal from aqueous solution. <i>Environmental Technology and Innovation</i> , 2019 , 16, 100495	7	4
250	Photo-Assisted Removal of Tetracycline Using Bio-Nanocomposite-Immobilized Alginate Beads. <i>ACS Omega</i> , 2019 , 4, 17504-17510	3.9	6
249	Tetracycline affects the toxicity of P25 n-TiO towards marine microalgae <i>Chlorella</i> sp. <i>Environmental Research</i> , 2019 , 179, 108808	7.9	8
248	Utilizing corona on functionalized selenium nanoparticles for loading and release of doxorubicin payload. <i>Journal of Molecular Liquids</i> , 2019 , 296, 111864	6	12
247	Bio-based Nanoemulsions: An Eco-safe Approach Towards the Eco-toxicity Problem 2019 , 1985-2006		
246	Effect of negative functionalisation of gold nanorods on conformation and activity of human serum albumin. <i>IET Nanobiotechnology</i> , 2019 , 13, 522-529	2	
245	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	3.7	11
244	Influence of differently functionalized polystyrene microplastics on the toxic effects of P25 TiO NPs towards marine algae <i>Chlorella</i> sp. <i>Aquatic Toxicology</i> , 2019 , 207, 208-216	5.1	47
243	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	3.2	10
242	Insights into the interaction of key biofilm proteins in <i>Pseudomonas aeruginosa</i> PAO1 with TiO nanoparticle: An in silico analysis. <i>Journal of Theoretical Biology</i> , 2019 , 462, 12-25	2.3	4
241	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	2.6	25
240	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	10.3	52
239	Distinctive impact of polystyrene nano-spherules as an emergent pollutant toward the environment. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 1537-1547	5.1	21
238	Sustainable Diesel Feedstock: a Comparison of Oleaginous Bacterial and Microalgal Model Systems. <i>Bioenergy Research</i> , 2019 , 12, 205-216	3.1	9
237	Bimetallic gold nanorods with enhanced biocorona formation for doxorubicin loading and sustained release. <i>Biomaterials Science</i> , 2018 , 7, 63-75	7.4	12

236	Carbon adhered iron oxide hollow nanotube on membrane fouling. <i>Materials Chemistry and Physics</i> , 2018 , 211, 468-478	4.4	6
235	Nanoprimering with zero valent iron (nZVI) enhances germination and growth in aromatic rice cultivar (<i>Oryza sativa</i> cv. Gobindabhog L.). <i>Plant Physiology and Biochemistry</i> , 2018 , 127, 403-413	5.4	48
234	Biogenic nano zero valent iron (Bio-nZVI) anaerobic granules for textile dye removal. <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 1683-1689	6.8	13
233	Solvothermal synthesis of magnetic copper ferrite nano sheet and its antimicrobial studies. <i>Materials Chemistry and Physics</i> , 2018 , 209, 172-179	4.4	17
232	Cross-regulatory network in <i>Pseudomonas aeruginosa</i> biofilm genes and TiO anatase induced molecular perturbations in key proteins unraveled by a systems biology approach. <i>Gene</i> , 2018 , 647, 289-296	3.8	14
231	Trophic transfer potential of two different crystalline phases of TiO NPs from <i>Chlorella</i> sp. to <i>Ceriodaphnia dubia</i> . <i>Aquatic Toxicology</i> , 2018 , 197, 89-97	5.1	17
230	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	7	22
229	UV-pre-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	5.1	22
228	Antimicrobial potency of high-energy emulsified black pepper oil nanoemulsion against aquaculture pathogen. <i>Aquaculture</i> , 2018 , 491, 210-220	4.4	26
227	Dietary transfer of zinc oxide particles from algae (<i>Scenedesmus obliquus</i>) to daphnia (<i>Ceriodaphnia dubia</i>). <i>Environmental Research</i> , 2018 , 164, 395-404	7.9	14
226	Biological nanopesticides: a greener approach towards the mosquito vector control. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 10151-10163	5.1	13
225	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	6.2	19
224	Effect of Dietary Supplementation of Novel Probiotic Bacteria <i>Bacillus vireti</i> 01 on Antioxidant Defence System of Freshwater Prawn Challenged with <i>Pseudomonas aeruginosa</i> . <i>Probiotics and Antimicrobial Proteins</i> , 2018 , 10, 356-366	5.5	7
223	Gene-centric metegenome analysis reveals diversity of <i>Pseudomonas aeruginosa</i> biofilm gene orthologs in fresh water ecosystem. <i>Genomics</i> , 2018 , 110, 89-97	4.3	7
222	Bio-Based Nanoemulsions: An Eco-Safe Approach Towards the Eco-Toxicity Problem 2018 , 1-23		1
221	Comprehensive study on biocorona formation on functionalized selenium nanoparticle and its biological implications. <i>Journal of Molecular Liquids</i> , 2018 , 268, 335-342	6	15
220	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	4.5	15
219	Horseradish peroxidase-mediated in situ synthesis of silver nanoparticles: application for sensing of mercury. <i>New Journal of Chemistry</i> , 2018 , 42, 13763-13769	3.6	6

218	Efficiency of brown seaweed () polysaccharides encapsulated in nanoemulsion and nanostructured lipid carrier against colon cancer cell lines HCT 116.. <i>RSC Advances</i> , 2018 , 8, 15973-15984	3.7	31
217	A comparative multi-assay approach to study the toxicity behaviour of Eu2O3 nanoparticles. <i>Journal of Molecular Liquids</i> , 2018 , 269, 783-795	6	15
216	Nanometric neem oil emulsification through microfluidization, and its therapeutic potential against <i>Aeromonas culicicola</i> infection in <i>Cyprinus carpio</i> . <i>Flavour and Fragrance Journal</i> , 2018 , 33, 340-350	2.5	2
215	Biosynthesis and Characterization of Silver Nanoparticles Synthesized From Seaweeds and Its Antibacterial Activity 2018 , 265-280		
214	Toxicity and trophic transfer of P25 TiO NPs from <i>Dunaliella salina</i> to <i>Artemia salina</i> : Effect of dietary and waterborne exposure. <i>Environmental Research</i> , 2018 , 160, 39-46	7.9	37
213	Effect of microencapsulated probiotic <i>Bacillus vireti</i> 01-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	4.3	19
212	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	6	7
211	Environmentally benign nanometric neem-laced urea emulsion for controlling mosquito population in environment. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 2211-2230	5.1	9
210	Nanopesticides: A Boon Towards the Control of Dreadful Vectors of Lymphatic Filariasis 2018 , 247-257		2
209	DEVELOPMENT OF AZITHROMYCIN LOADED LEMONGRASS OIL BASED MICROEMULSION AND DETERMINATION OF ANTIBACTERIAL POTENTIAL. <i>International Journal of Applied Pharmaceutics</i> , 2018 , 10, 72	0.4	2
208	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	0.4	3
207	A Review on Ecotoxicity of Zinc Oxide Nanoparticles on Freshwater Algae 2018 , 191-206		1
206	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	6.8	26
205	Gold nanorod-based fluorometric ELISA for the sensitive detection of a cancer biomarker. <i>New Journal of Chemistry</i> , 2018 , 42, 15852-15859	3.6	5
204	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	7	14
203	Human serum albumin corona on functionalized gold nanorods modulates doxorubicin loading and release. <i>New Journal of Chemistry</i> , 2018 , 42, 16555-16563	3.6	9
202	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	4.4	10
201	Using gold nanorod-based colorimetric sensor for determining chromium in biological samples. <i>Journal of Molecular Liquids</i> , 2018 , 264, 119-126	6	8

200	Spectroscopic studies on the interactions of bovine serum albumin in presence of silver nanorods. <i>Journal of Molecular Liquids</i> , 2017 , 232, 251-257	6	12
199	Polymeric nanoencapsulation of insect repellent: Evaluation of its bioefficacy on <i>Culex quinquefasciatus</i> mosquito population and effective impregnation onto cotton fabrics for insect repellent clothing. <i>Journal of King Saud University - Science</i> , 2017 , 29, 517-527	3.6	19
198	Toxicity assessment of zero valent iron nanoparticles on <i>Artemia salina</i> . <i>Environmental Toxicology</i> , 2017 , 32, 1617-1627	4.2	13
197	Modulatory effects of Zn ions on the toxicity of citrate- and PVP-capped gold nanoparticles towards freshwater algae, <i>Scenedesmus obliquus</i> . <i>Environmental Science and Pollution Research</i> , 2017 , 24, 3790-3801	5.1	10
196	Dual mechanism-based sensing of mercury using unmodified, heteroepitaxially synthesized silver nanoparticles. <i>Applied Nanoscience (Switzerland)</i> , 2017 , 7, 299-307	3.3	15
195	Exploring the interaction between iron oxide nanoparticles (IONPs) and Human serum albumin (HSA): Spectroscopic and docking studies. <i>Journal of Molecular Liquids</i> , 2017 , 241, 793-800	6	29
194	Antifouling activities of pristine and nanocomposite chitosan/TiO ₂ /Ag films against freshwater algae. <i>RSC Advances</i> , 2017 , 7, 27645-27655	3.7	13
193	Cerium oxide nanoparticles promote HSA fibrillation in vitro. <i>International Journal of Biological Macromolecules</i> , 2017 , 103, 1138-1145	7.9	5
192	In planta genotoxicity of nZVI: influence of colloidal stability on uptake, DNA damage, oxidative stress and cell death. <i>Mutagenesis</i> , 2017 , 32, 371-387	2.8	33
191	Toxicity and accumulation of Copper oxide (CuO) nanoparticles in different life stages of <i>Artemia salina</i> . <i>Environmental Toxicology and Pharmacology</i> , 2017 , 52, 227-238	5.8	40
190	Stability of nano-sized permethrin in its colloidal state and its effect on the physiological and biochemical profile of <i>Culex tritaeniorhynchus</i> larvae. <i>Bulletin of Entomological Research</i> , 2017 , 107, 676-688	1.7	17
189	Comparative study on toxicity of ZnO and TiO 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	5.1	20
188	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	5.1	21
187	Impact of tetracycline on the toxic effects of titanium dioxide (TiO) nanoparticles towards the freshwater algal species, <i>Scenedesmus obliquus</i> . <i>Aquatic Toxicology</i> , 2017 , 193, 168-177	5.1	22
186	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	5.1	5
185	Comparative studies on interaction of inorganic mercury with silver nanorods and nanotriangles. <i>Journal of Molecular Liquids</i> , 2017 , 242, 987-992	6	3
184	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	6.8	12
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37	Impact of exopolysaccharides on the stability of silver nanoparticles in water. <i>Water Research</i> , 2011 , 45, 5184-90	12.5	63
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32	Studies on toxicity of aluminum oxide (Al ₂ O ₃) nanoparticles to microalgae species: Scenedesmus sp. and Chlorella sp.. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 3287-3299	2.3	178
31	Biomimetic synthesis of silver nanoparticles by Citrus limon (lemon) aqueous extract and theoretical prediction of particle size. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 82, 152-9	6	419
30	Bacterial tolerance to silver nanoparticles (SNPs): aeromonas punctata isolated from sewage environment. <i>Journal of Basic Microbiology</i> , 2011 , 51, 183-90	2.7	26
29	Cytotoxicity of Al ₂ O ₃ nanoparticles at low exposure levels to a freshwater bacterial isolate. <i>Chemical Research in Toxicology</i> , 2011 , 24, 1899-904	4	61
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27	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	5.1	18
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