

Amitava Mukherjee

List of Publications by Year in descending order

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Version: 2024-02-01

341
papers

13,747
citations

20817

60
h-index

33894

99
g-index

345
all docs

345
docs citations

345
times ranked

15106
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	Nano-diagnosics 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	Nano-Scale Zero Valent Iron (nZVI) Priming Enhances Yield, Alters Mineral Distribution and Grain Nutrient Content of <i>Oryza sativa</i> L. cv. Gobindobhog: A Field Study. <i>Journal of Plant Growth Regulation</i> , 2022, 41, 710-733.	5.1	41
4	Fe ₃ O ₄ -urea nanocomposites as a novel nitrogen fertilizer for improving nutrient utilization efficiency and reducing environmental pollution. <i>Environmental Pollution</i> , 2022, 292, 118301.	7.5	15
5	Studies on the removal of acid violet 7 dye from aqueous solutions by green ZnO@Fe ₃ O ₄ chitosan-alginate nanocomposite synthesized using <i>Camellia sinensis</i> extract. <i>Journal of Environmental Management</i> , 2022, 303, 114128.	7.8	12
6	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
7	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.	6.1	9
8	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
9	Nanoemulsion. <i>Advances in Chemical and Materials Engineering Book Series</i> , 2022, , 307-329.	0.3	1
10	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
11	Ecotoxicity of Nanomaterials to Freshwater Microalgae and Fish. , 2022, , 143-160.		1
12	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.	4.2	17
13	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
14	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
15	Female mosquito-a potential vector for transporting plastic residues to humans. <i>Chemosphere</i> , 2022, 301, 134666.	8.2	9
16	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
17	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
18	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

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19	Plastic particles in medicine: A systematic review of exposure and effects to human health. <i>Chemosphere</i> , 2022, 303, 135227.	8.2	17
20	Studies on photocatalytic removal of antibiotics, ciprofloxacin and sulfamethoxazole, by Fe ₃ O ₄ -ZnO-Chitosan/Alginate nanocomposite in aqueous systems. <i>Advanced Powder Technology</i> , 2022, 33, 103691.	4.1	15
21	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
22	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
23	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
24	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
25	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
26	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
27	Exploring the interactions between protein coronated CdSe quantum dots and nanoplastics. <i>New Journal of Chemistry</i> , 2021, 45, 7951-7958.	2.8	6
28	Eugenol micro-emulsion reinforced with silver nanocomposite electrospun mats for wound dressing strategies. <i>Materials Advances</i> , 2021, 2, 2971-2988.	5.4	13
29	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
30	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
31	Eco-corona formation on the nanomaterials in the aquatic systems lessens their toxic impact: A comprehensive review. <i>Environmental Research</i> , 2021, 194, 110669.	7.5	36
32	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.	1.7	13
33	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.	8.0	8
34	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.	5.8	14
35	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
36	Polystyrene nanoplastics dysregulate lipid metabolism in murine macrophages in vitro. <i>Toxicology</i> , 2021, 458, 152850.	4.2	43

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37	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
38	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
39	Elucidating ROS signaling networks and physiological changes involved in nanoscale zero valent iron primed rice seed germination <i>sensu stricto</i> . <i>Free Radical Biology and Medicine</i> , 2021, 171, 11-25.	2.9	14
40	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
41	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
42	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.	6.7	30
43	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
44	The toxicological effects of titanium dioxide nanoparticles on marine microalgae. , 2021, , 479-493.		0
45	Development of thickness-tunable gold nanorods for anti-oxidant detection. <i>Materials Chemistry and Physics</i> , 2020, 239, 122295.	4.0	3
46	Investigating the potential use of an oleaginous bacterium, <i>Rhodococcus opacus</i> PD630, for nano-TiO ₂ remediation. <i>Environmental Science and Pollution Research</i> , 2020, 27, 27394-27406.	5.3	7
47	Batch and column study on tetracycline removal using green synthesized NiFe nanoparticles immobilized alginate beads. <i>Environmental Technology and Innovation</i> , 2020, 17, 100520.	6.1	22
48	Drug loaded essential oil microemulsions enhance photostability and evaluation of in vitro efficacy. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 29, 101638.	2.6	11
49	Novel enzymatic synthesis of core/shell AgNP/AuNC bimetallic nanostructure and its catalytic applications. <i>Journal of Molecular Liquids</i> , 2020, 301, 112463.	4.9	12
50	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.	7.8	63
51	A review on tetracycline removal from aqueous systems by advanced treatment techniques. <i>RSC Advances</i> , 2020, 10, 27081-27095.	3.6	144
52	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.	5.6	0
53	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.	6.0	8
54	Understanding the relevance of protein corona in nanoparticle-based therapeutics and diagnostics. <i>RSC Advances</i> , 2020, 10, 27161-27172.	3.6	18

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55	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.	6.7	32
56	Combined effects of nano-TiO ₂ and hexavalent chromium towards marine crustacean <i>Artemia salina</i> . <i>Aquatic Toxicology</i> , 2020, 225, 105541.	4.0	15
57	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.	3.3	11
58	Nanocomposites for Delivering Agrochemicals: A Comprehensive Review. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 3691-3702.	5.2	91
59	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.	6.7	39
60	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.	8.2	42
61	Eco-corona formation lessens the toxic effects of polystyrene nanoplastics towards marine microalgae <i>Chlorella</i> sp.. <i>Environmental Research</i> , 2020, 188, 109842.	7.5	76
62	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.	1.4	4
63	Silver nanorods induced oxidative stress and chromosomal aberrations in the <i>Allium cepa</i> model. <i>IET Nanobiotechnology</i> , 2020, 14, 161-166.	3.8	9
64	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.	6.7	14
65	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.	3.1	12
66	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.	2.8	3
67	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.	6.7	10
68	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
69	Photo-Assisted Removal of Tetracycline Using Bio-Nanocomposite-Immobilized Alginate Beads. <i>ACS Omega</i> , 2019, 4, 17504-17510.	3.5	9
70	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
71	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
72	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.	5.8	22

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73	Bimetallic gold nanorods with enhanced biocorona formation for doxorubicin loading and sustained release. <i>Biomaterials Science</i> , 2019, 7, 63-75.	5.4	19
74	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
75	Diminishing bioavailability and toxicity of P25 TiO ₂ NPs during continuous exposure to marine algae <i>Chlorella sp.</i> . <i>Chemosphere</i> , 2019, 233, 363-372.	8.2	29
76	Differential sensitivity of marine algae <i>Dunaliella salina</i> and <i>Chlorella sp.</i> to P25 TiO ₂ NPs. <i>Environmental Science and Pollution Research</i> , 2019, 26, 21394-21403.	5.3	23
77	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
78	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
79	Advances in oral cancer detection. <i>Advances in Clinical Chemistry</i> , 2019, 91, 181-200.	3.7	59
80	Polymer/layered silicate nanocomposites as matrix for bioinsecticide formulations. , 2019, , 161-178.		0
81	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
82	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
83	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
84	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
85	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
86	Influence of differently functionalized polystyrene microplastics on the toxic effects of P25 TiO ₂ NPs towards marine algae <i>Chlorella sp.</i> . <i>Aquatic Toxicology</i> , 2019, 207, 208-216.	4.0	92
87	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
88	Insights into the interaction of key biofilm proteins in <i>Pseudomonas aeruginosa</i> PAO1 with TiO ₂ nanoparticle: An in silico analysis. <i>Journal of Theoretical Biology</i> , 2019, 462, 12-25.	1.7	4
89	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
90	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

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91	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
92	Sustainable Diesel Feedstock: a Comparison of Oleaginous Bacterial and Microalgal Model Systems. <i>Bioenergy Research</i> , 2019, 12, 205-216.	3.9	12
93	Bio-based Nanoemulsions: An Eco-safe Approach Towards the Eco-toxicity Problem. , 2019, , 1985-2006.		0
94	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
95	Carbon adhered iron oxide hollow nanotube on membrane fouling. <i>Materials Chemistry and Physics</i> , 2018, 211, 468-478.	4.0	7
96	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.	5.8	95
97	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
98	Solvothermal synthesis of magnetic copper ferrite nano sheet and its antimicrobial studies. <i>Materials Chemistry and Physics</i> , 2018, 209, 172-179.	4.0	24
99	Cross-regulatory network in <i>Pseudomonas aeruginosa</i> biofilm genes and TiO ₂ anatase induced molecular perturbations in key proteins unraveled by a systems biology approach. <i>Gene</i> , 2018, 647, 289-296.	2.2	15
100	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
101	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
102	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.	5.3	35
103	Antimicrobial potency of high-energy emulsified black pepper oil nanoemulsion against aquaculture pathogen. <i>Aquaculture</i> , 2018, 491, 210-220.	3.5	34
104	Dietary transfer of zinc oxide particles from algae (<i>Scenedesmus obliquus</i>) to daphnia (<i>Ceriodaphnia</i>)	7.5	28
105	Biological nanopesticides: a greener approach towards the mosquito vector control. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10151-10163.	5.3	20
106	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
107	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
108	Gene-centric metagenome analysis reveals diversity of <i>Pseudomonas aeruginosa</i> biofilm gene orthologs in fresh water ecosystem. <i>Genomics</i> , 2018, 110, 89-97.	2.9	12

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109	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
110	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
111	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
112	Nanopesticides: A Boon Towards the Control of Dreadful Vectors of Lymphatic Filariasis. , 2018, , 247-257.		2
113	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
114	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
115	A Review on Ecotoxicity of Zinc Oxide Nanoparticles on Freshwater Algae. , 2018, , 191-206.		2
116	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
117	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
118	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
119	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
120	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
121	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
122	Bio-Based Nanoemulsions: An Eco-Safe Approach Towards the Eco-Toxicity Problem. , 2018, , 1-23.		1
123	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
124	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
125	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
126	Efficiency of brown seaweed (<i>Sargassum longifolium</i>) polysaccharides encapsulated in nanoemulsion and nanostructured lipid carrier against colon cancer cell lines HCT 116. <i>RSC Advances</i> , 2018, 8, 15973-15984.	3.6	43

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127	A comparative multi-assay approach to study the toxicity behaviour of Eu2O3 nanoparticles. Journal of Molecular Liquids, 2018, 269, 783-795.	4.9	24
128	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
129	Toxicity and trophic transfer of P25 TiO ₂ NPs from <i>Dunaliella salina</i> to <i>Artemia salina</i> : Effect of dietary and waterborne exposure. Environmental Research, 2018, 160, 39-46.	7.5	56
130	Antibacterial Activity of Sargassum longifolium-Polycaprolactone Nanobiocomposite for Fish Pathogen. Journal of Bionanoscience, 2018, 12, 417-421.	0.4	4
131	Controlling Mosquito Populations Using Nanotechnology (Nanometric Emulsion). , 2018, , .		0
132	Biosynthesis and Characterization of Silver Nanoparticles Synthesized From Seaweeds and Its Antibacterial Activity. , 2018, , 265-280.		0
133	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
134	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. Journal of King Saud University - Science, 2017, 29, 517-527.	3.5	27
135	Toxicity assessment of zero valent iron nanoparticles on <i>Artemia salina</i> . Environmental Toxicology, 2017, 32, 1617-1627.	4.0	20
136	Modulatory effects of Zn ²⁺ ions on the toxicity of citrate- and PVP-capped gold nanoparticles towards freshwater algae, <i>Scenedesmus obliquus</i> . Environmental Science and Pollution Research, 2017, 24, 3790-3801.	5.3	11
137	Dual mechanism-based sensing of mercury using unmodified, heteroepitaxially synthesized silver nanoparticles. Applied Nanoscience (Switzerland), 2017, 7, 299-307.	3.1	25
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