

# Natarajan Chandrasekaran

## List of Publications by Citations

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301 papers	9,375 citations	50 h-index	84 g-index
326 ext. papers	10,793 ext. citations	4.8 avg, IF	6.62 L-index

#	Paper	IF	Citations
301	Genotoxicity of silver nanoparticles in <i>Allium cepa</i> . <i>Science of the Total Environment</i> , <b>2009</b> , 407, 5243-6	10.2	446
300	Biomimetic synthesis of silver nanoparticles by Citrus limon (lemon) aqueous extract and theoretical prediction of particle size. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2011</b> , 82, 152-9	6	419
299	Ultrasonic emulsification of food-grade nanoemulsion formulation and evaluation of its bactericidal activity. <i>Ultrasonics Sonochemistry</i> , <b>2013</b> , 20, 338-44	8.9	270
298	Cytogenetic and genotoxic effects of zinc oxide nanoparticles on root cells of <i>Allium cepa</i> . <i>Journal of Hazardous Materials</i> , <b>2011</b> , 190, 613-21	12.8	267
297	Process variables in biomimetic synthesis of silver nanoparticles by aqueous extract of <i>Azadirachta indica</i> (Neem) leaves. <i>Journal of Nanoparticle Research</i> , <b>2010</b> , 12, 237-246	2.3	253
296	Antimicrobial sensitivity of <i>Escherichia coli</i> to alumina nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2009</b> , 5, 282-6	6	208
295	Studies on interaction of colloidal Ag nanoparticles with Bovine Serum Albumin (BSA). <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2010</b> , 76, 32-7	6	198
294	Neem oil ( <i>Azadirachta indica</i> ) nanoemulsion--a potent larvicidal agent against <i>Culex quinquefasciatus</i> . <i>Pest Management Science</i> , <b>2012</b> , 68, 158-63	4.6	184
293	Studies on toxicity of aluminum oxide (Al <sub>2</sub> O <sub>3</sub> ) nanoparticles to microalgae species: <i>Scenedesmus</i> sp. and <i>Chlorella</i> sp.. <i>Journal of Nanoparticle Research</i> , <b>2011</b> , 13, 3287-3299	2.3	178
292	Eugenol-loaded antimicrobial nanoemulsion preserves fruit juice against, microbial spoilage. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 114, 392-7	6	162
291	Antibacterial applications of silver nanoparticles synthesized by aqueous extract of <i>Azadirachta indica</i> (Neem) leaves. <i>Journal of Biomedical Nanotechnology</i> , <b>2009</b> , 5, 93-8	4	128
290	Ultrasonic emulsification of eucalyptus oil nanoemulsion: antibacterial activity against <i>Staphylococcus aureus</i> and wound healing activity in Wistar rats. <i>Ultrasonics Sonochemistry</i> , <b>2014</b> , 21, 1044-9	8.9	123
289	In vivo genotoxicity assessment of titanium dioxide nanoparticles by <i>Allium cepa</i> root tip assay at high exposure concentrations. <i>PLoS ONE</i> , <b>2014</b> , 9, e87789	3.7	122
288	Two-dimensional mapping of copper and zinc in liver sections by laser ablation-inductively coupled plasma mass spectrometry. <i>Clinical Chemistry</i> , <b>2003</b> , 49, 1916-23	5.5	120
287	Ecotoxicity study of titania (TiO <sub>2</sub> ) NPs on two microalgae species: <i>Scenedesmus</i> sp. and <i>Chlorella</i> sp. <i>Ecotoxicology and Environmental Safety</i> , <b>2011</b> , 74, 1180-7	7	119
286	A comparative cytotoxicity study of TiO <sub>2</sub> nanoparticles under light and dark conditions at low exposure concentrations. <i>Toxicology Research</i> , <b>2012</b> , 1, 116	2.6	117
285	Formulation of water-dispersible nanopermethrin for larvicidal applications. <i>Ecotoxicology and Environmental Safety</i> , <b>2010</b> , 73, 1932-6	7	115

284	Selective colorimetric detection of nanomolar Cr (VI) in aqueous solutions using unmodified silver nanoparticles. <i>Sensors and Actuators B: Chemical</i> , <b>2012</b> , 166-167, 365-371	8.5	101
283	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> , <b>2011</b> , 390, 216-224	5.1	100
282	Nanoemulsion of eucalyptus oil and its larvicidal activity against <i>Culex quinquefasciatus</i> . <i>Bulletin of Entomological Research</i> , <b>2014</b> , 104, 393-402	1.7	99
281	Combined toxicity of two crystalline phases (anatase and rutile) of Titania nanoparticles towards freshwater microalgae: <i>Chlorella</i> sp. <i>Aquatic Toxicology</i> , <b>2015</b> , 161, 154-69	5.1	93
280	Cinnamon oil nanoemulsion formulation by ultrasonic emulsification: investigation of its bactericidal activity. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2013</b> , 13, 114-22	1.3	90
279	Distinctive effects of nano-sized permethrin in the environment. <i>Environmental Science and Pollution Research</i> , <b>2013</b> , 20, 2593-602	5.1	87
278	Cytotoxicity of aluminium oxide nanoparticles towards fresh water algal isolate at low exposure concentrations. <i>Aquatic Toxicology</i> , <b>2013</b> , 132-133, 34-45	5.1	86
277	Kinetic evolution studies of silver nanoparticles in a bio-based green synthesis process. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2011</b> , 377, 212-216	5.1	86
276	Biodegradable polymer based encapsulation of neem oil nanoemulsion for controlled release of Aza-A. <i>Carbohydrate Polymers</i> , <b>2012</b> , 90, 1750-6	10.3	85
275	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> , <b>2015</b> , 162, 29-38	5.1	78
274	Cytotoxicity of aluminum oxide nanoparticles on <i>Allium cepa</i> root tip--effects of oxidative stress generation and biouptake. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 11057-66	5.1	77
273	Selective colorimetric sensing of cysteine in aqueous solutions using silver nanoparticles in the presence of Cr <sup>VI</sup> . <i>Talanta</i> , <b>2011</b> , 85, 533-40	6.2	74
272	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> , <b>2002</b> , 16, 202-209	3.1	72
271	Comparative cytotoxicity and genotoxicity of cobalt (II, III) oxide, iron (III) oxide, silicon dioxide, and aluminum oxide nanoparticles on human lymphocytes in vitro. <i>Human and Experimental Toxicology</i> , <b>2016</b> , 35, 170-83	3.4	71
270	Assessment on interactive perspectives of nanoplastics with plasma proteins and the toxicological impacts of virgin, coronated and environmentally released-nanoplastics. <i>Scientific Reports</i> , <b>2019</b> , 9, 88604-9	4.9	70
269	Batch and continuous flow studies of adsorptive removal of Cr(VI) by adapted bacterial consortia immobilized in alginate beads. <i>Bioresource Technology</i> , <b>2013</b> , 128, 423-30	11	68
268	Studies on interaction of colloidal silver nanoparticles (SNPs) with five different bacterial species. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2011</b> , 87, 129-38	6	68
267	Simple colorimetric sensor for Cr(III) and Cr(VI) speciation using silver nanoparticles as a probe. <i>Analytical Methods</i> , <b>2014</b> , 6, 5161	3.2	66

266	Pathogenecity of <i>Pseudomonas aeruginosa</i> in <i>Oreochromis mossambicus</i> and treatment using lime oil nanoemulsion. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 116, 372-7	6	65
265	Role of the Met(287)Thr polymorphism in the AS3MT gene on the metabolic arsenic profile. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , <b>2008</b> , 637, 80-92	3.3	65
264	Bio-reduction of Cr(VI) by exopolysaccharides (EPS) from indigenous bacterial species of Sukinda chromite mine, India. <i>Biodegradation</i> , <b>2012</b> , 23, 487-96	4.1	63
263	Impact of exopolysaccharides on the stability of silver nanoparticles in water. <i>Water Research</i> , <b>2011</b> , 45, 5184-90	12.5	63
262	Bio-based nanoemulsion formulation, characterization and antibacterial activity against food-borne pathogens. <i>Journal of Basic Microbiology</i> , <b>2013</b> , 53, 677-85	2.7	61
261	Cytotoxicity of Al <sub>2</sub> O <sub>3</sub> nanoparticles at low exposure levels to a freshwater bacterial isolate. <i>Chemical Research in Toxicology</i> , <b>2011</b> , 24, 1899-904	4	61
260	Cytotoxicity of TiO <sub>2</sub> nanoparticles and their detoxification in a freshwater system. <i>Aquatic Toxicology</i> , <b>2013</b> , 138-139, 1-11	5.1	60
259	Antibacterial microemulsion prevents sepsis and triggers healing of wound in wistar rats. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 105, 152-7	6	58
258	Interaction of silver nanoparticles (SNPs) with bacterial extracellular proteins (ECPs) and its adsorption isotherms and kinetics. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 192, 299-306	12.8	57
257	Nanoemulsion of orange oil with non ionic surfactant produced emulsion using ultrasonication technique: evaluating against food spoilage yeast. <i>Applied Nanoscience (Switzerland)</i> , <b>2016</b> , 6, 113-120	3.3	54
256	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> , <b>2012</b> , 187, 104-113	14.7	52
255	Green synthesis of NiFe nano particles using <i>Punica granatum</i> peel extract for tetracycline removal. <i>Journal of Cleaner Production</i> , <b>2019</b> , 210, 767-776	10.3	52
254	Surface capping and size-dependent toxicity of gold nanoparticles on different trophic levels. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 4844-58	5.1	51
253	High arsenic metabolic efficiency in AS3MT287Thr allele carriers. <i>Pharmacogenetics and Genomics</i> , <b>2008</b> , 18, 349-55	1.9	51
252	<i>Ceriodaphnia dubia</i> as a potential bio-indicator for assessing acute aluminum oxide nanoparticle toxicity in fresh water environment. <i>PLoS ONE</i> , <b>2013</b> , 8, e74003	3.7	50
251	Toxicity evaluation of gold nanoparticles using an <i>Allium cepa</i> bioassay. <i>RSC Advances</i> , <b>2016</b> , 6, 24000-24009	3.7	48
250	Influence of differently functionalized polystyrene microplastics on the toxic effects of P25 TiO <sub>2</sub> NPs towards marine algae <i>Chlorella</i> sp. <i>Aquatic Toxicology</i> , <b>2019</b> , 207, 208-216	5.1	47
249	A comparative study with biologically and chemically synthesized nZVI: applications in Cr (VI) removal and ecotoxicity assessment using indigenous microorganisms from chromium-contaminated site. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 2613-27	5.1	44

248	High performance liquid chromatography inductively coupled plasma mass spectrometry for speciation of arsenic compounds in urine. <i>Microchemical Journal</i> , <b>2000</b> , 65, 113-127	4.8	44
247	Enhanced Cr(VI) Removal by Nanozerovalent Iron-Immobilized Alginate Beads in the Presence of a Biofilm in a Continuous-Flow Reactor. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 5973-5982	3.9	44
246	Seaweeds as an alternative therapeutic source for aquatic disease management. <i>Aquaculture</i> , <b>2016</b> , 464, 529-536	4.4	44
245	Safety of Natural Insecticides: Toxic Effects on Experimental Animals. <i>BioMed Research International</i> , <b>2018</b> , 2018, 4308054	3	44
244	Antioxidant and antibacterial activity of Chaetomorpha antennina against shrimp pathogen Vibrio parahaemolyticus. <i>Aquaculture</i> , <b>2014</b> , 433, 467-475	4.4	43
243	Adsorptive removal of silver nanoparticles (SNPs) from aqueous solution by Aeromonas punctata and its adsorption isotherm and kinetics. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2012</b> , 92, 156-60	6	43
242	Acute toxicity of TiO <sub>2</sub> nanoparticles to Ceriodaphnia dubia under visible light and dark conditions in a freshwater system. <i>PLoS ONE</i> , <b>2013</b> , 8, e62970	3.7	43
241	Toxicity and accumulation of Copper oxide (CuO) nanoparticles in different life stages of Artemia salina. <i>Environmental Toxicology and Pharmacology</i> , <b>2017</b> , 52, 227-238	5.8	40
240	Hexavalent Chromium Bioremoval through Adaptation and Consortia Development from Sukinda Chromite Mine Isolates. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 3740-3749	3.9	40
239	Silver nanoparticles: a potential nanocatalyst for the rapid degradation of starch hydrolysis by $\alpha$ -amylase. <i>Carbohydrate Research</i> , <b>2012</b> , 352, 60-4	2.9	40
238	In vivo and in vitro antimicrobial activity of Azadirachta indica (Lin) against Citrobacter freundii isolated from naturally infected Tilapia (Oreochromis mossambicus). <i>Aquaculture</i> , <b>2015</b> , 437, 252-255	4.4	38
237	Toxic behavior of silver and zinc oxide nanoparticles on environmental microorganisms. <i>Journal of Basic Microbiology</i> , <b>2014</b> , 54, 916-27	2.7	38
236	Cr (III) bioremoval capacities of indigenous and adapted bacterial strains from Palar river basin. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 187, 553-61	12.8	38
235	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> , <b>2013</b> , 5, 6211	3.2	37
234	Metabolic profile in workers occupationally exposed to arsenic: role of GST polymorphisms. <i>Journal of Occupational and Environmental Medicine</i> , <b>2006</b> , 48, 334-41	2	37
233	Toxicity and trophic transfer of P25 TiO NPs from Dunaliella salina to Artemia salina: Effect of dietary and waterborne exposure. <i>Environmental Research</i> , <b>2018</b> , 160, 39-46	7.9	37
232	Toxic effect of Cr(VI) in presence of n-TiO <sub>2</sub> and n-Al <sub>2</sub> O <sub>3</sub> particles towards freshwater microalgae. <i>Aquatic Toxicology</i> , <b>2014</b> , 146, 28-37	5.1	36
231	A review on tetracycline removal from aqueous systems by advanced treatment techniques.. <i>RSC Advances</i> , <b>2020</b> , 10, 27081-27095	3.7	36

230	Differential effects of P25 TiO <sub>2</sub> nanoparticles on freshwater green microalgae: <i>Chlorella</i> and <i>Scenedesmus</i> species. <i>Aquatic Toxicology</i> , <b>2016</b> , 176, 161-71	5.1	36
229	Cytotoxicity of TiO <sub>2</sub> nanoparticles towards freshwater sediment microorganisms at low exposure concentrations. <i>Environmental Research</i> , <b>2014</b> , 135, 333-45	7.9	35
228	Essential oil micro- and nanoemulsions: promising roles in antimicrobial therapy targeting human pathogens. <i>Letters in Applied Microbiology</i> , <b>2016</b> , 63, 322-334	2.9	34
227	DNA damage and mitochondria-mediated apoptosis of A549 lung carcinoma cells induced by biosynthesised silver and platinum nanoparticles. <i>RSC Advances</i> , <b>2016</b> , 6, 27775-27787	3.7	33
226	Biosynthesis of silver nanoparticles using actinobacterium <i>Streptomyces albogriseolus</i> and its antibacterial activity. <i>Biotechnology and Applied Biochemistry</i> , <b>2012</b> , 59, 503-7	2.8	33
225	Different modes of TiO <sub>2</sub> uptake by <i>Ceriodaphnia dubia</i> : relevance to toxicity and bioaccumulation. <i>Aquatic Toxicology</i> , <b>2014</b> , 152, 139-46	5.1	32
224	Advances in oral cancer detection. <i>Advances in Clinical Chemistry</i> , <b>2019</b> , 91, 181-200	5.8	31
223	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> , <b>2015</b> , 128, 370-378	6	31
222	Eco-corona formation lessens the toxic effects of polystyrene nanoplastics towards marine microalgae <i>Chlorella</i> sp. <i>Environmental Research</i> , <b>2020</b> , 188, 109842	7.9	31
221	Efficiency of brown seaweed () polysaccharides encapsulated in nanoemulsion and nanostructured lipid carrier against colon cancer cell lines HCT 116.. <i>RSC Advances</i> , <b>2018</b> , 8, 15973-15984	3.7	31
220	Spectroscopic studies on the interaction of bovine serum albumin with Al <sub>2</sub> O <sub>3</sub> nanoparticles. <i>Journal of Luminescence</i> , <b>2014</b> , 145, 859-865	3.8	31
219	Studies on Cr(VI) Removal from Aqueous Solutions by Nanoalumina. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 15242-15250	3.9	31
218	Simple fluorescence-based detection of Cr(III) and Cr(VI) using unmodified gold nanoparticles. <i>Analytical Methods</i> , <b>2014</b> , 6, 9554-9560	3.2	30
217	Haemocompatibility assessment of synthesised platinum nanoparticles and its implication in biology. <i>Bioprocess and Biosystems Engineering</i> , <b>2014</b> , 37, 991-7	3.7	30
216	Silver nanoparticles tolerant bacteria from sewage environment. <i>Journal of Environmental Sciences</i> , <b>2011</b> , 23, 346-52	6.4	30
215	Studies on Effect of TiO <sub>2</sub> Nanoparticles on Growth and Membrane Permeability of <i>Escherichia coli</i> , <i>Pseudomonas aeruginosa</i> , and <i>Bacillus subtilis</i> . <i>Current Nanoscience</i> , <b>2010</b> , 6, 381-387	1.4	30
214	Studies on Differential Behavior of Silver Nanoparticles Towards Thiol Containing Amino Acids. <i>Current Nanoscience</i> , <b>2012</b> , 8, 141-149	1.4	30
213	Exploring the interaction between iron oxide nanoparticles (IONPs) and Human serum albumin (HSA): Spectroscopic and docking studies. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 241, 793-800	6	29



212	Colorimetric detection of melamine based on the size effect of AuNPs. <i>Analytical Methods</i> , <b>2015</b> , 7, 1453-1462	2.9	29
211	Tetracycline removal using green synthesized bimetallic nZVI-Cu and bentonite supported green nZVI-Cu nanocomposite: A comparative study. <i>Journal of Environmental Management</i> , <b>2020</b> , 254, 109812	7.9	29
210	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> , <b>2015</b> , 3, 3032-3043	7.3	28
209	Studies on pathogenecity of <i>Aeromonas salmonicida</i> in catfish <i>Clarias batrachus</i> and control measures by neem nanoemulsion. <i>Aquaculture</i> , <b>2013</b> , 396-399, 71-75	4.4	28
208	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> , <b>2015</b> , 5, 15763-15771	3.7	28
207	Trophic transfer potential of aluminium oxide nanoparticles using representative primary producer ( <i>Chlorella ellipsoidea</i> ) and a primary consumer ( <i>Ceriodaphnia dubia</i> ). <i>Aquatic Toxicology</i> , <b>2014</b> , 152, 74-81	5.1	27
206	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> , <b>2017</b> , 579, 190-201	10.2	27
205	Developing acetylcholinesterase-based inhibition assay by modulated synthesis of silver nanoparticles: applications for sensing of organophosphorus pesticides. <i>RSC Advances</i> , <b>2015</b> , 5, 61998-62006	3.7	26
204	Antimicrobial potency of high-energy emulsified black pepper oil nanoemulsion against aquaculture pathogen. <i>Aquaculture</i> , <b>2018</b> , 491, 210-220	4.4	26
203	Bioremoval of trivalent chromium using <i>Bacillus</i> biofilms through continuous flow reactor. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 196, 44-51	12.8	26
202	Bacterial tolerance to silver nanoparticles (SNPs): <i>aeromonas punctata</i> isolated from sewage environment. <i>Journal of Basic Microbiology</i> , <b>2011</b> , 51, 183-90	2.7	26
201	Antifouling and anti-algal effects of chitosan nanocomposite (TiO <sub>2</sub> /Ag) and pristine (TiO <sub>2</sub> and Ag) films on marine microalgae <i>Dunaliella salina</i> . <i>Journal of Environmental Chemical Engineering</i> , <b>2018</b> , 6, 6870-6880	6.8	26
200	Individual and binary toxicity of anatase and rutile nanoparticles towards <i>Ceriodaphnia dubia</i> . <i>Aquatic Toxicology</i> , <b>2016</b> , 178, 209-21	5.1	25
199	A review on the impact of seaweed polysaccharide on the growth of probiotic bacteria and its application in aquaculture. <i>Aquaculture International</i> , <b>2019</b> , 27, 227-238	2.6	25
198	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> , <b>2015</b> , 443, 56-64	4.4	24
197	Antibacterial and antifouling activities of chitosan/TiO <sub>2</sub> /Ag NPs nanocomposite films against packaged drinking water bacterial isolates. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 19529-40	5.1	24
196	Probing the interaction of neem oil based nanoemulsion with bovine and human serum albumins using multiple spectroscopic techniques. <i>Journal of Molecular Liquids</i> , <b>2015</b> , 212, 283-290	6	23
195	Impact of tetracycline on the toxic effects of titanium dioxide (TiO <sub>2</sub> ) nanoparticles towards the freshwater algal species, <i>Scenedesmus obliquus</i> . <i>Aquatic Toxicology</i> , <b>2017</b> , 193, 168-177	5.1	22

194	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> , <b>2018</b> , 9, 122-133	7	22
193	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> , <b>2018</b> , 25, 16729-16742	5.1	22
192	Nanoemulsion formation and characterization by spontaneous emulsification: Investigation of its antibacterial effects on <i>Listeria monocytogenes</i> . <i>Asian Journal of Pharmaceutics (discontinued)</i> , <b>2015</b> , 9, 23	0.5	22
191	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> , <b>2017</b> , 183, 63-75	5.1	21
190	Cytogenetic studies of chromium (III) oxide nanoparticles on <i>Allium cepa</i> root tip cells. <i>Journal of Environmental Sciences</i> , <b>2015</b> , 38, 150-7	6.4	21
189	Binding studies of hydroxylated Multi-Walled Carbon Nanotubes to hemoglobin, gamma globulin and transferrin. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2015</b> , 153, 222-32	6.7	21
188	State-of-the-art strategies for the colorimetric detection of heavy metals using gold nanorods based on aspect ratio reduction. <i>Analytical Methods</i> , <b>2016</b> , 8, 2131-2137	3.2	21
187	Enhanced activity of lysozyme-AgNP conjugate with synergic antibacterial effect without damaging the catalytic site of lysozyme. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2014</b> , 42, 336-43	6.1	21
186	Acute toxicity and accumulation of ZnO NPs in <i>Ceriodaphnia dubia</i> : Relative contributions of dissolved ions and particles. <i>Aquatic Toxicology</i> , <b>2016</b> , 177, 494-502	5.1	21
185	Distinctive impact of polystyrene nano-spherules as an emergent pollutant toward the environment. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 1537-1547	5.1	21
184	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> , <b>2017</b> , 24, 5633-5646	5.1	20
183	Eucalyptus oil nanoemulsion-impregnated chitosan film: antibacterial effects against a clinical pathogen, <i>Staphylococcus aureus</i> , in vitro. <i>International Journal of Nanomedicine</i> , <b>2015</b> , 10 Suppl 1, 67-75	7.3	20
182	Bovine serum albumin mediated decrease in silver nanoparticle phytotoxicity: root elongation and seed germination assay. <i>Toxicological and Environmental Chemistry</i> , <b>2012</b> , 94, 91-98	1.4	20
181	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> , <b>2016</b> , 6, 52683-52694	3.7	20
180	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> , <b>2016</b> , 224, 589-598	6	20
179	Cytogenetic evaluation of gold nanorods using <i>Allium cepa</i> test. <i>Plant Physiology and Biochemistry</i> , <b>2016</b> , 109, 209-219	5.4	20
178	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> , <b>2017</b> , 29, 517-527	3.6	19
177	A facile gold nanoparticle-based ELISA system for detection of osteopontin in saliva: Towards oral cancer diagnostics. <i>Clinica Chimica Acta</i> , <b>2018</b> , 477, 166-172	6.2	19



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155	Enhanced antifungal activity of Ketoconazole using rose oil based novel microemulsion formulation. <i>Journal of Drug Delivery Science and Technology</i> , <b>2018</b> , 47, 434-444	4.5	15
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