Leonardo Fernandes Fraceto

List of Publications by Year
in descending order

258 papers	15,113 citations	23567 58 h-index	22832 112 g-index
265 all docs	265 docs citations	265 times ranked	15923 citing authors

#	ARTICLE	IF	CITATIONS
1	Introducing â€˜Anthropocene Scienceâ€™: A New International Journal for Addressing Human Impact on the Resilience of Planet Earth. Anthropocene Science, 2022, 1, 1-4.	2.9	3
2	Biopolymerâ€Nanocomposite Hybrid Materials as Potential Strategy to Remove Pesticides in Water: Occurrence and Perspectives. Advanced Sustainable Systems, 2022, 6, 2100243.	5.3	8
3	Novel nanostructured materials based on polymer/organic-clay composite networks for the removal of carbendazim from waters. Journal of Cleaner Production, 2022, 331, 129867.	9.3	19
4	What makes nanotechnologies applied to agriculture green?. Nano Today, 2022, 43, 101389.	11.9	23
5	Cellulose Hydrogels Containing Geraniol and Icaridin Encapsulated in Zein Nanoparticles for Arbovirus Control. ACS Applied Bio Materials, 2022, 5, 1273-1283.	4.6	5
6	Development of a Preemergent Nanoherbicide: From Efficiency Evaluation to the Assessment of Environmental Fate and Risks to Soil Microorganisms. ACS Nanoscience Au, 2022, 2, 307-323.	4.8	12
7	Using Chitosan-Coated Polymeric Nanoparticles-Thermosensitive Hydrogels in association with Limonene as Skin Drug Delivery Strategy. BioMed Research International, 2022, 2022, 1-18.	1.9	9
8	Lignin nanoparticles: New insights for a sustainable agriculture. Journal of Cleaner Production, 2022, 345, 131145.	9.3	41
9	High-throughput transcriptomics reveals the mechanisms of nanopesticides â€“ nanoformulation, commercial formulation, active ingredient â€“ finding safe and sustainable-by-design (SSbD) options for the environment. Environmental Science: Nano, 2022, 9, 2182-2194.	4.3	5
10	Soil Enzyme Responses to Polymeric Nanopesticides: An Ecological Risk Analysis Approach to Promote Sustainable Agriculture. ACS Agricultural Science and Technology, 2022, 2, 443-452.	2.3	6
11	Effects of biogenic silver and iron nanoparticles on soybean seedlings (Glycine max). BMC Plant Biology, 2022, 22, .	3.6	6
12	Chitosan nanoparticles containing the insecticide dimethoate: A new approach in the reduction of harmful ecotoxicological effects. NanoImpact, 2022, 27, 100408.	4.5	15
13	Phytotoxicity evaluation of poly (É›-caprolactone) nanocapsules prepared using different methods and compositions in Brassica juncea seeds. , 2022, 1, 100003.		4
14	Nanoformulations with synthetic and plant-derived compounds for cattle tick control. Veterinary Parasitology, 2022, 309, 109756.	1.8	1
15	Interaction of Nanoatrazine and Target Organism: Evaluation of Fate and Photosystem II Inhibition in Hydroponically Grown Mustard (<i>Brassica juncea</i>) Plants. Journal of Agricultural and Food Chemistry, 2022, 70, 7644-7652.	5.2	7
16	Post-emergence herbicidal activity of nanoatrazine against Alternanthera tenella Colla plants compared to other weed species. Heliyon, 2022, 8, e09902.	3.2	2
17	Ecotoxicological and regulatory aspects of environmental sustainability of nanopesticides. Journal of Hazardous Materials, 2021, 404, 124148.	12.4	94
18	Enzyme Stimuliâ€“Responsive Nanoparticles for Bioinsecticides: An Emerging Approach for Uses in Crop Protection. ACS Sustainable Chemistry and Engineering, 2021, 9, 106-112.	6.7	16

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19	Biogenic Î±-Fe₂O₃ Nanoparticles Enhance the Biological Activity of Trichoderma against the Plant Pathogen <i>Sclerotinia sclerotiorum</i>. ACS Sustainable Chemistry and Engineering, 2021, 9, 1669-1683.	6.7	38
20	Sericin based nanoformulations: a comprehensive review on molecular mechanisms of interaction with organisms to biological applications. Journal of Nanobiotechnology, 2021, 19, 30.	9.1	59
21	Promising potential of articaine-loaded poly(epsilon-caprolactone) nanocapules for intraoral topical anesthesia. PLoS ONE, 2021, 16, e0246760.	2.5	5
22	Influence of the capping of biogenic silver nanoparticles on their toxicity and mechanism of action towards Sclerotinia sclerotiorum. Journal of Nanobiotechnology, 2021, 19, 53.	9.1	44
23	Encapsulation Strategies for <i>Bacillus thuringiensis</i>: From Now to the Future. Journal of Agricultural and Food Chemistry, 2021, 69, 4564-4577.	5.2	34
24	Use of nontarget organism Chironomus sancticaroli to study the toxic effects of nanoatrazine. Ecotoxicology, 2021, 30, 733-750.	2.4	9
25	Trends in polymers networks applied to the removal of aqueous pollutants: A review. Journal of Cleaner Production, 2021, 295, 126451.	9.3	27
26	Ecotoxicity evaluation of polymeric nanoparticles loaded with ascorbic acid for fish nutrition in aquaculture. Journal of Nanobiotechnology, 2021, 19, 163.	9.1	12
27	In focus: latest development of nanotechnology in Latin America. Journal of Chemical Technology and Biotechnology, 2021, 96, 2093-2094.	3.2	1
28	Hydrogels Containing Budesonide-Loaded Nanoparticles to Facilitate Percutaneous Absorption for Atopic Dermatitis Treatment Applications. ACS Applied Polymer Materials, 2021, 3, 4436-4449.	4.4	9
29	Zein based-nanoparticles loaded botanical pesticides in pest control: An enzyme stimuli-responsive approach aiming sustainable agriculture. Journal of Hazardous Materials, 2021, 417, 126004.	12.4	44
30	Nanocarrier-Mediated Delivery of miRNA, RNAi, and CRISPR-Cas for Plant Protection: Current Trends and Future Directions. ACS Agricultural Science and Technology, 2021, 1, 417-435.	2.3	37
31	Foliar absorption and field herbicidal studies of atrazine-loaded polymeric nanoparticles. Journal of Hazardous Materials, 2021, 418, 126350.	12.4	27
32	Nanotechnology Potential in Seed Priming for Sustainable Agriculture. Nanomaterials, 2021, 11, 267.	4.1	162
33	Development of a Mosquito Repellent Formulation Based on Nanostructured Lipid Carriers. Frontiers in Pharmacology, 2021, 12, 760682.	3.5	8
34	Clove oil-loaded zein nanoparticles as potential bioinsecticide agent with low toxicity. Sustainable Chemistry and Pharmacy, 2021, 24, 100554.	3.3	8
35	Polymeric microparticles for modified release of NPK in agricultural applications. Arabian Journal of Chemistry, 2020, 13, 2084-2095.	4.9	6
36	Atrazine nanoencapsulation improves preâ€emergence herbicidal activity against <i>Bidens pilosa</i> without enhancing longâ€term residual effect on <i>Glycine max</i>. Pest Management Science, 2020, 76, 141-149.	3.4	44

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37	Influence of chitosan-tripolyphosphate nanoparticles on thermosensitive polymeric hydrogels: structural organization, drug release mechanisms and cytotoxicity. International Journal of Polymeric Materials and Polymeric Biomaterials, 2020, 69, 592-603.	3.4	14
38	An overview of the potential impacts of atrazine in aquatic environments: Perspectives for tailored solutions based on nanotechnology. Science of the Total Environment, 2020, 700, 134868.	8.0	106
39	Interference of goethite in the effects of glyphosate and RoundupÂ® on ZFL cell line. Toxicology in Vitro, 2020, 65, 104755.	2.4	6
40	Hydrogels Containing Botanical Repellents Encapsulated in Zein Nanoparticles for Crop Protection. ACS Applied Nano Materials, 2020, 3, 207-217.	5.0	15
41	Sublethal effects of waterborne copper and copper nanoparticles on the freshwater Neotropical teleost Prochilodus lineatus: A comparative approach. Science of the Total Environment, 2020, 704, 135332.	8.0	20
42	Potential of mucoadhesive nanocapsules in drug release and toxicology in zebrafish. PLoS ONE, 2020, 15, e0238823.	2.5	11
43	Soil Enzyme Activities as an Integral Part of the Environmental Risk Assessment of Nanopesticides. Journal of Agricultural and Food Chemistry, 2020, 68, 8514-8516.	5.2	13
44	Antinociception induced by artemisinin nanocapsule in a model of postoperative pain via spinal TLR4 inhibition. Inflammopharmacology, 2020, 28, 1537-1551.	3.9	9
45	How can nanotechnology help to combat COVID-19? Opportunities and urgent need. Journal of Nanobiotechnology, 2020, 18, 125.	9.1	163
46	Fabrication and Characterization of a Novel Herbicide Delivery System with Magnetic Collectability and Its Phytotoxic Effect on Photosystem II of Aquatic Macrophyte. Journal of Agricultural and Food Chemistry, 2020, 68, 11105-11113.	5.2	12
47	Trends in nanoformulations for atopic dermatitis treatment. Expert Opinion on Drug Delivery, 2020, 17, 1615-1630.	5.0	24
48	Physicochemical characterization and cytotoxicity of articaine-2-hydroxypropyl-Î²-cyclodextrin inclusion complex. Naunyn-Schmiedeberg's Archives of Pharmacology, 2020, 393, 1313-1323.	3.0	4
49	Zein Nanoparticles Impregnated with Eugenol and Garlic Essential Oils for Treating Fish Pathogens. ACS Omega, 2020, 5, 15557-15566.	3.5	35
50	Antibacterial and biofilm inhibition activity of biofabricated silver nanoparticles against Xanthomonas oryzae pv. oryzae causing blight disease of rice instigates disease suppression. World Journal of Microbiology and Biotechnology, 2020, 36, 55.	3.6	21
51	Chitosan-based delivery systems for plants: A brief overview of recent advances and future directions. International Journal of Biological Macromolecules, 2020, 154, 683-697.	7.5	90
52	Pesticide removal from industrial effluents using biopolymeric materials. , 2020, , 359-382.		3
53	Chitosan-coated zein nanoparticles containing eugenol potentiates anesthesia in Nile tilapia. Aquaculture, 2020, 529, 735659.	3.5	5
54	Recent Developments in Nanotechnology for Detection and Control of Aedes aegypti-Borne Diseases. Frontiers in Bioengineering and Biotechnology, 2020, 8, 102.	4.1	28

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55	Green nanomaterials fostering agrifood sustainability. TrAC - Trends in Analytical Chemistry, 2020, 125, 115840.	11.4	62
56	The potential of nanobiopesticide based on zein nanoparticles and neem oil for enhanced control of agricultural pests. Journal of Pest Science, 2020, 93, 793-806.	3.7	31
57	Poloxamer micellar system for intra-articular injection of 15-deoxy-Î”12,14-prostaglandin J2 with improved bioavailability and anti-inflammatory properties in the temporomandibular joint of rats. International Journal of Pharmaceutics, 2020, 583, 119383.	5.2	11
58	Encapsulation of Trichoderma harzianum Preserves Enzymatic Activity and Enhances the Potential for Biological Control. Frontiers in Bioengineering and Biotechnology, 2020, 8, 225.	4.1	43
59	Localization of Coated Iron Oxide (Fe₃O₄) Nanoparticles on Tomato Seeds and Their Effects on Growth. ACS Applied Bio Materials, 2020, 3, 4109-4117.	4.6	28
60	Overview of Nanopesticide Environmental Safety Aspects and Regulatory Issues: The Case of Nanoatrazine. , 2020, , 281-298.		3
61	Integrating a Global Learning Experience into an Inorganic Chemistry Teaching Laboratory. ACS Symposium Series, 2020, , 57-67.	0.5	4
62	Liposomal-based lidocaine formulation for the improvement of infiltrative buccal anaesthesia. Journal of Liposome Research, 2019, 29, 66-72.	3.3	6
63	Potential Use of Polymeric Particles for theÂRegulation of Plant Growth. , 2019, , 45-66.		2
64	Nanopesticide based on botanical insecticide pyrethrum and its potential effects on honeybees. Chemosphere, 2019, 236, 124282.	8.2	38
65	Novel nanostructure obtained from pacamÃ£, Lophiosilurus alexandri, skin mucus presents potential as a bioactive carrier in fish. Aquaculture, 2019, 512, 734294.	3.5	2
66	Bio-Based Nanoemulsion Formulations Applicable in Agriculture, Medicine, and Food Industry. Nanotechnology in the Life Sciences, 2019, , 33-84.	0.6	17
67	Re-addressing the biosafety issues of plant growth promoting rhizobacteria. Science of the Total Environment, 2019, 690, 841-852.	8.0	94
68	Biosynthesis of silver nanoparticles employing Trichoderma harzianum with enzymatic stimulation for the control of Sclerotinia sclerotiorum. Scientific Reports, 2019, 9, 14351.	3.3	84
69	Development of stimuli-responsive nano-based pesticides: emerging opportunities for agriculture. Journal of Nanobiotechnology, 2019, 17, 100.	9.1	177
70	Physico-Chemical Characterization and Biopharmaceutical Evaluation of Lipid-Poloxamer-Based Organogels for Curcumin Skin Delivery. Frontiers in Pharmacology, 2019, 10, 1006.	3.5	15
71	On the safety of nanoformulations to non-target soil invertebrates â€“ an atrazine case study. Environmental Science: Nano, 2019, 6, 1950-1958.	4.3	28
72	Polymeric nanoparticles as an alternative for application of gibberellic acid in sustainable agriculture: a field study. Scientific Reports, 2019, 9, 7135.	3.3	90

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73	Neem oil based nanopesticide as an environmentally-friendly formulation for applications in sustainable agriculture: An ecotoxicological perspective. Science of the Total Environment, 2019, 677, 57-67.	8.0	92
74	An eco-designed paper-based algal biosensor for nanoformulated herbicide optical detection. Journal of Hazardous Materials, 2019, 373, 483-492.	12.4	45
75	A Mechanistic View of Interactions of a Nanoherbicide with Target Organism. Journal of Agricultural and Food Chemistry, 2019, 67, 4453-4462.	5.2	75
76	Chrysophanol: A Natural Anthraquinone with Multifaceted Biotherapeutic Potential. Biomolecules, 2019, 9, 68.	4.0	92
77	Can atrazine loaded nanocapsules reduce the toxic effects of this herbicide on the fish Prochilodus lineatus? A multibiomarker approach. Science of the Total Environment, 2019, 663, 548-559.	8.0	56
78	Depression, anxiety-like behavior, and memory impairment in mice exposed to chitosan-coated zein nanoparticles. Environmental Science and Pollution Research, 2019, 26, 10641-10650.	5.3	15
79	A study on the molecular existing interactions in nanoherbicides: A chitooligosaccharide/tripolyphosphate loaded with paraquat case. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 562, 220-228.	4.7	12
80	Association of zein nanoparticles with botanical compounds for effective pest control systems. Pest Management Science, 2019, 75, 1855-1865.	3.4	48
81	Influence of hybrid polymeric nanoparticle/thermosensitive hydrogels systems on formulation tracking and in vitro artificial membrane permeation: A promising system for skin drug-delivery. Colloids and Surfaces B: Biointerfaces, 2019, 174, 56-62.	5.0	43
82	Use of botanical insecticides for sustainable agriculture: Future perspectives. Ecological Indicators, 2019, 105, 483-495.	6.3	225
83	Trends in aquaculture sciences: from now to use of nanotechnology for disease control. Reviews in Aquaculture, 2019, 11, 119-132.	9.0	74
84	<i>Trichoderma harzianum</i>â€based novel formulations: potential applications for management of Nextâ€Gen agricultural challenges. Journal of Chemical Technology and Biotechnology, 2018, 93, 2056-2063.	3.2	61
85	Future trends in nanotechnology aiming environmental applications. Energy, Ecology and Environment, 2018, 3, 69-71.	3.9	10
86	Effects of lidocaine and the inclusion complex with 2-hydroxypropyl-Î²-cyclodextrin on cell viability and proliferation of oral squamous cell carcinoma. Journal of Pharmacy and Pharmacology, 2018, 70, 874-882.	2.4	10
87	State of the art of polymeric nanoparticles as carrier systems with agricultural applications: a minireview. Energy, Ecology and Environment, 2018, 3, 137-148.	3.9	71
88	Chitosan nanoparticles functionalized with Î²-cyclodextrin: a promising carrier for botanical pesticides. Scientific Reports, 2018, 8, 2067.	3.3	75
89	Zein Nanoparticles as Eco-Friendly Carrier Systems for Botanical Repellents Aiming Sustainable Agriculture. Journal of Agricultural and Food Chemistry, 2018, 66, 1330-1340.	5.2	132
90	Use of nanoparticle concentration as a tool to understand the structural properties of colloids. Scientific Reports, 2018, 8, 982.	3.3	75

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91	Layer-by-layer films containing emodin or emodin encapsulated in liposomes for transdermal applications. Colloids and Surfaces B: Biointerfaces, 2018, 162, 69-75.	5.0	18
92	Progress in nano-drug delivery of artemisinin and its derivatives: towards to use in immunomodulatory approaches. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 611-620.	2.8	29
93	EFEITOS DE NANOPARTÃCULAS COMERCIAIS DE Ã“XIDO DE FERRO (Fe2O3): CITOTOXICIDADE, GENOTOXICIDADE E ESTRESSE OXIDATIVO. Quimica Nova, 2018, 2018, .	0.3	3
94	Hybrid Hydrogel Composed of Polymeric Nanocapsules Co-Loading Lidocaine and Prilocaine for Topical Intraoral Anesthesia. Scientific Reports, 2018, 8, 17972.	3.3	38
95	15d-PGJ2-loaded nanocapsules ameliorate experimental gout arthritis by reducing pain and inflammation in a PPAR-gamma-sensitive manner in mice. Scientific Reports, 2018, 8, 13979.	3.3	38
96	Nano based drug delivery systems: recent developments and future prospects. Journal of Nanobiotechnology, 2018, 16, 71.	9.1	3,689
97	Carvacrol and linalool co-loaded in Î²-cyclodextrin-grafted chitosan nanoparticles as sustainable biopesticide aiming pest control. Scientific Reports, 2018, 8, 7623.	3.3	87
98	Nanoparticle mucoadhesive system as a new tool for fish immune system modulation. Fish and Shellfish Immunology, 2018, 80, 651-654.	3.6	11
99	Recent Developments and Challenges for Nanoscale Formulation of Botanical Pesticides for Use in Sustainable Agriculture. Journal of Agricultural and Food Chemistry, 2018, 66, 8898-8913.	5.2	97
100	Post-Emergence Herbicidal Activity of Nanoatrazine Against Susceptible Weeds. Frontiers in Environmental Science, 2018, 6, .	3.3	53
101	Editorial: Environmental Impact of Nanotechnology: Analyzing the Present for Building the Future. Frontiers in Environmental Science, 2018, 6, .	3.3	14
102	Characterization of Articaine-Loaded Poly(<i>Îµ</i>-caprolactone) Nanocapsules and Solid Lipid Nanoparticles in Hydrogels for Topical Formulations. Journal of Nanoscience and Nanotechnology, 2018, 18, 4428-4438.	0.9	26
103	Zein Nanoparticles and Strategies to Improve Colloidal Stability: A Mini-Review. Frontiers in Chemistry, 2018, 6, 6.	3.6	115
104	Geraniol Encapsulated in Chitosan/Gum Arabic Nanoparticles: A Promising System for Pest Management in Sustainable Agriculture. Journal of Agricultural and Food Chemistry, 2018, 66, 5325-5334.	5.2	84
105	Bupivacaine in alginate and chitosan nanoparticles: an in vivo evaluation of efficacy, pharmacokinetics, and local toxicity. Journal of Pain Research, 2018, Volume 11, 683-691.	2.0	11
106	Synthesis of biogenic silver nanoparticles using Althaea officinalis as reducing agent: evaluation of toxicity and ecotoxicity. Scientific Reports, 2018, 8, 12397.	3.3	39
107	Biosorption of macronutrients by Brazilian tropical peats. Communications in Soil Science and Plant Analysis, 2018, 49, 1530-1539.	1.4	0
108	Current advances in nanocarriers for biomedical research and their applications. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 1053-1062.	2.8	33

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109	Safety assessment of nanopesticides using the roundworm Caenorhabditis elegans. Ecotoxicology and Environmental Safety, 2017, 139, 245-253.	6.0	70
110	Evaluation of the effects of polymeric chitosan/tripolyphosphate and solid lipid nanoparticles on germination of Zea mays, Brassica rapa and Pisum sativum. Ecotoxicology and Environmental Safety, 2017, 142, 369-374.	6.0	46
111	Î³-Polyglutamic acid/chitosan nanoparticles for the plant growth regulator gibberellic acid: Characterization and evaluation of biological activity. Carbohydrate Polymers, 2017, 157, 1862-1873.	10.2	83
112	Biogenic silver nanoparticles based on trichoderma harzianum: synthesis, characterization, toxicity evaluation and biological activity. Scientific Reports, 2017, 7, 44421.	3.3	135
113	Heightening Awareness for Graduate Students of the Potential Impacts of Nanomaterials on Human Health and the Environment Using a Theoreticalâ€"Practical Approach. Journal of Chemical Education, 2017, 94, 1471-1479.	2.3	21
114	Nanocapsules Containing Neem (Azadirachta Indica) Oil: Development, Characterization, And Toxicity Evaluation. Scientific Reports, 2017, 7, 5929.	3.3	46
115	Chitosan nanoparticles as carrier systems for the plant growth hormone gibberellic acid. Colloids and Surfaces B: Biointerfaces, 2017, 150, 141-152.	5.0	128
116	Ivermectin-Loaded Polymeric Nanoparticles: Screening the Effects of Polymers, Methods, and the Usefulness of Mathematical Models. Journal of Nanoscience and Nanotechnology, 2017, 17, 4218-4234.	0.9	4
117	Integrated Approach of Agri-nanotechnology: Challenges and Future Trends. Frontiers in Plant Science, 2017, 8, 471.	3.6	164
118	Development of HA/Ag-NPs Composite Coating from Green Process for Hip Applications. Molecules, 2017, 22, 1291.	3.8	10
119	Poly(ethylene glycol) and Cyclodextrin-Grafted Chitosan: From Methodologies to Preparation and Potential Biotechnological Applications. Frontiers in Chemistry, 2017, 5, 93.	3.6	24
120	Nanotechnology in Agriculture: Which Innovation Potential Does It Have?. Frontiers in Environmental Science, 2016, 4, .	3.3	365
121	Neem Oil and Crop Protection: From Now to the Future. Frontiers in Plant Science, 2016, 7, 1494.	3.6	112
122	Sub-Micrometer Magnetic Nanocomposites: Insights into the Effect of Magnetic Nanoparticles Interactions on the Optimization of SAR and MRI Performance. ACS Applied Materials & Interfaces, 2016, 8, 25777-25787.	8.0	38
123	Development of stained polymeric nanocapsules loaded with model drugs: Use of a fluorescent poly(phenyleneethynylene). Colloids and Surfaces B: Biointerfaces, 2016, 147, 442-449.	5.0	8
124	Nanoparticles Based on Chitosan as Carriers for the Combined Herbicides Imazapic and Imazapyr. Scientific Reports, 2016, 6, 19768.	3.3	140
125	Interaction of arsenic species with tropical river aquatic humic substances enriched with aluminum and iron. Environmental Science and Pollution Research, 2016, 23, 6205-6216.	5.3	9
126	Nanotechnology Applied to Bio-Encapsulation of Pesticides. Journal of Nanoscience and Nanotechnology, 2016, 16, 1231-1234.	0.9	131

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127	Hepatic effects of the clomazone herbicide in both its free form and associated with chitosan-alginate nanoparticles in bullfrog tadpoles. Chemosphere, 2016, 149, 304-313.	8.2	50
128	Budesonide-hydroxypropyl-Î²-cyclodextrin inclusion complex in binary poloxamer 407/403 system for ulcerative colitis treatment: A physico-chemical study from micelles to hydrogels. Colloids and Surfaces B: Biointerfaces, 2016, 138, 138-147.	5.0	32
129	Development of egg PC/cholesterol/Î±-tocopherol liposomes with ionic gradients to deliver ropivacaine. Journal of Liposome Research, 2016, 26, 1-10.	3.3	25
130	15d-PGJ2-Loaded Solid Lipid Nanoparticles: Physicochemical Characterization and Evaluation of Pharmacological Effects on Inflammation. PLoS ONE, 2016, 11, e0161796.	2.5	15
131	Polymeric and Solid Lipid Nanoparticles for Sustained Release of Carbendazim and Tebuconazole in Agricultural Applications. Scientific Reports, 2015, 5, 13809.	3.3	141
132	Evaluation of the side effects of poly(epsilon-caprolactone) nanocapsules containing atrazine toward maize plants. Frontiers in Chemistry, 2015, 3, 61.	3.6	41
133	Nanoencapsulation Enhances the Post-Emergence Herbicidal Activity of Atrazine against Mustard Plants. PLoS ONE, 2015, 10, e0132971.	2.5	132
134	Poloxamer-based binary hydrogels for delivering tramadol hydrochloride: sol-gel transition studies, dissolution-release kinetics, in vitro toxicity, and pharmacological evaluation. International Journal of Nanomedicine, 2015, 10, 2391.	6.7	33
135	Editorial (Thematic Issue: Nanoparticle Carriers in Medicinal Chemistry and Pharmaceutical Sciences). Current Topics in Medicinal Chemistry, 2015, 15, 280-281.	2.1	0
136	Sustainable clean-up technologies for soils contaminated with multiple pollutants: Plant-microbe-pollutant and climate nexus. Ecological Engineering, 2015, 82, 330-335.	3.6	72
137	Evaluation of the effects of nitric oxide-releasing nanoparticles on plants. Journal of Physics: Conference Series, 2015, 617, 012025.	0.4	8
138	Solid Lipid Nanoparticles Co-loaded with Simazine and Atrazine: Preparation, Characterization, and Evaluation of Herbicidal Activity. Journal of Agricultural and Food Chemistry, 2015, 63, 422-432.	5.2	131
139	Chitosan nanoparticles loaded the herbicide paraquat: The influence of the aquatic humic substances on the colloidal stability and toxicity. Journal of Hazardous Materials, 2015, 286, 562-572.	12.4	66
140	Removal of glyphosate herbicide from water using biopolymer membranes. Journal of Environmental Management, 2015, 151, 353-360.	7.8	104
141	Biomarker Evaluation in Fish After Prolonged Exposure to Nano-TiO₂: Influence of Illumination Conditions and Crystal Phase. Journal of Nanoscience and Nanotechnology, 2015, 15, 5424-5433.	0.9	22
142	Polysaccharides as safer release systems for agrochemicals. Agronomy for Sustainable Development, 2015, 35, 47-66.	5.3	238
143	Adsorption/desorption of arsenic by tropical peat: influence of organic matter, iron and aluminium. Environmental Technology (United Kingdom), 2015, 36, 149-159.	2.2	26
144	Engineered nanoparticles and organic matter: A review of the state-of-the-art. Chemosphere, 2015, 119, 608-619.	8.2	271

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145	The Role of Nanotechnology in Veterinary Medicine. Advanced Science, Engineering and Medicine, 2015, 7, 836-843.	0.3	1
146	Ecotoxicological Evaluation of Poly(<I>Îµ</I>-Caprolactone) Nanocapsules Containing Triazine Herbicides. Journal of Nanoscience and Nanotechnology, 2014, 14, 4911-4917.	0.9	85
147	Application of poly(epsilon-caprolactone) nanoparticles containing atrazine herbicide as an alternative technique to control weeds and reduce damage to the environment. Journal of Hazardous Materials, 2014, 268, 207-215.	12.4	218
148	Analysing the fate of nanopesticides in soil and the applicability of regulatory protocols using a polymer-based nanoformulation of atrazine. Environmental Science and Pollution Research, 2014, 21, 11699-11707.	5.3	53
149	Toxicity assessment of TiO2 nanoparticles in zebrafish embryos under different exposure conditions. Aquatic Toxicology, 2014, 147, 129-139.	4.0	128
150	Pluronics F-127/L-81 Binary Hydrogels as Drug-Delivery Systems: Influence of Physicochemical Aspects on Release Kinetics and Cytotoxicity. Langmuir, 2014, 30, 13689-13698.	3.5	55
151	Application of nanotechnology for the encapsulation of botanical insecticides for sustainable agriculture: Prospects and promises. Biotechnology Advances, 2014, 32, 1550-1561.	11.7	364
152	Effect of the presence of aquatic humic substances on the toxicity of chitosan/tripolyphosphate nanoparticles containing paraquat. Toxicology Letters, 2014, 229, S191.	0.8	0
153	Minimal levels of ultraviolet light enhance the toxicity of TiO2 nanoparticles to two representative organisms of aquatic systems. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	31
154	Chitosan/tripolyphosphate nanoparticles loaded with paraquat herbicide: An environmentally safer alternative for weed control. Journal of Hazardous Materials, 2014, 278, 163-171.	12.4	305
155	Poly(Îµ-caprolactone) nanocapsules carrying the herbicide atrazine: effect of chitosan-coating agent on physico-chemical stability and herbicide release profile. International Journal of Environmental Science and Technology, 2014, 11, 1691-1700.	3.5	47
156	Development of hydrophilic nanocarriers for the charged form of the local anesthetic articaine. Colloids and Surfaces B: Biointerfaces, 2014, 121, 66-73.	5.0	28
157	Genetic Studies on the Effects of Nanomaterials. Nanomedicine and Nanotoxicology, 2014, , 177-199.	0.2	2
158	Applications of Controlled Release Systems for Fungicides, Herbicides, Acaricides, Nutrients, and Plant Growth Hormones: A Review. Advanced Science, Engineering and Medicine, 2014, 6, 373-387.	0.3	112
159	Cyclodextrin Inclusion Complexes Loaded in Particles as Drug Carrier Systems. Current Topics in Medicinal Chemistry, 2014, 14, 518-525.	2.1	19
160	Chitosan and alginate biopolymer membranes for remediation of contaminated water with herbicides. Journal of Environmental Management, 2013, 131, 222-227.	7.8	64
161	Fish exposure to nano-TiO2 under different experimental conditions: Methodological aspects for nanoecotoxicology investigations. Science of the Total Environment, 2013, 463-464, 647-656.	8.0	56
162	Study of adsorption and preconcentration by using a new silica organomodified with [3â€(2,2â€²â€dipyridylamine)propyl] groups. Journal of Separation Science, 2013, 36, 817-825.	2.5	13

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