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	Nano based drug delivery systems: recent developments and future prospects. Journal of Nanobiotechnology, 2018, 16, 71.	9.1	3,689
2	Nanotechnology in Agriculture: Which Innovation Potential Does It Have?. Frontiers in Environmental Science, 2016, 4, .	3.3	365
3	Application of nanotechnology for the encapsulation of botanical insecticides for sustainable agriculture: Prospects and promises. Biotechnology Advances, 2014, 32, 1550-1561.	11.7	364
4	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
5	Engineered nanoparticles and organic matter: A review of the state-of-the-art. Chemosphere, 2015, 119, 608-619.	8.2	271
6	Polysaccharides as safer release systems for agrochemicals. Agronomy for Sustainable Development, 2015, 35, 47-66.	5.3	238
7	Paraquat-loaded alginate/chitosan nanoparticles: Preparation, characterization and soil sorption studies. Journal of Hazardous Materials, 2011, 190, 366-374.	12.4	229
8	Use of botanical insecticides for sustainable agriculture: Future perspectives. Ecological Indicators, 2019, 105, 483-495.	6.3	225
9	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
10	Poly(É›-caprolactone)nanocapsules as carrier systems for herbicides: Physico-chemical characterization and genotoxicity evaluation. Journal of Hazardous Materials, 2012, 231-232, 1-9.	12.4	194
11	Development of stimuli-responsive nano-based pesticides: emerging opportunities for agriculture. Journal of Nanobiotechnology, 2019, 17, 100.	9.1	177
12	Integrated Approach of Agri-nanotechnology: Challenges and Future Trends. Frontiers in Plant Science, 2017, 8, 471.	3.6	164
13	How can nanotechnology help to combat COVID-19? Opportunities and urgent need. Journal of Nanobiotechnology, 2020, 18, 125.	9.1	163
14	Nanotechnology Potential in Seed Priming for Sustainable Agriculture. Nanomaterials, 2021, 11, 267.	4.1	162
15	Polymeric and Solid Lipid Nanoparticles for Sustained Release of Carbendazim and Tebuconazole in Agricultural Applications. Scientific Reports, 2015, 5, 13809.	3.3	141
16	Nanoparticles Based on Chitosan as Carriers for the Combined Herbicides Imazapic and Imazapyr. Scientific Reports, 2016, 6, 19768.	3.3	140
17	Biogenic silver nanoparticles based on trichoderma harzianum: synthesis, characterization, toxicity evaluation and biological activity. Scientific Reports, 2017, 7, 44421.	3.3	135
18	Nanoencapsulation Enhances the Post-Emergence Herbicidal Activity of Atrazine against Mustard Plants. PLoS ONE, 2015, 10, e0132971.	2.5	132

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19	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
20	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
21	Nanotechnology Applied to Bio-Encapsulation of Pesticides. Journal of Nanoscience and Nanotechnology, 2016, 16, 1231-1234.	0.9	131
22	Toxicity assessment of TiO2 nanoparticles in zebrafish embryos under different exposure conditions. Aquatic Toxicology, 2014, 147, 129-139.	4.0	128
23	Chitosan nanoparticles as carrier systems for the plant growth hormone gibberellic acid. Colloids and Surfaces B: Biointerfaces, 2017, 150, 141-152.	5.0	128
24	Development and pharmacological evaluation of ropivacaine-2-hydroxypropyl-Î²-cyclodextrin inclusion complex. European Journal of Pharmaceutical Sciences, 2008, 33, 60-71.	4.0	127
25	Controlled release system for ametryn using polymer microspheres: Preparation, characterization and release kinetics in water. Journal of Hazardous Materials, 2011, 186, 1645-1651.	12.4	116
26	Zein Nanoparticles and Strategies to Improve Colloidal Stability: A Mini-Review. Frontiers in Chemistry, 2018, 6, 6.	3.6	115
27	Neem Oil and Crop Protection: From Now to the Future. Frontiers in Plant Science, 2016, 7, 1494.	3.6	112
28	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
29	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
30	Removal of glyphosate herbicide from water using biopolymer membranes. Journal of Environmental Management, 2015, 151, 353-360.	7.8	104
31	Physico-chemical characterization of benzocaine-Î²-cyclodextrin inclusion complexes. Journal of Pharmaceutical and Biomedical Analysis, 2005, 39, 956-963.	2.8	101
32	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
33	Re-addressing the biosafety issues of plant growth promoting rhizobacteria. Science of the Total Environment, 2019, 690, 841-852.	8.0	94
34	Ecotoxicological and regulatory aspects of environmental sustainability of nanopesticides. Journal of Hazardous Materials, 2021, 404, 124148.	12.4	94
35	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
36	Chrysophanol: A Natural Anthraquinone with Multifaceted Biotherapeutic Potential. Biomolecules, 2019, 9, 68.	4.0	92

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37	Polymeric nanoparticles as an alternative for application of gibberellic acid in sustainable agriculture: a field study. Scientific Reports, 2019, 9, 7135.	3.3	90
38	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
39	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
40	Ecotoxicological Evaluation of Poly(<I>Îµ</I>-Caprolactone) Nanocapsules Containing Triazine Herbicides. Journal of Nanoscience and Nanotechnology, 2014, 14, 4911-4917.	0.9	85
41	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
42	Biosynthesis of silver nanoparticles employing Trichoderma harzianum with enzymatic stimulation for the control of Sclerotinia sclerotiorum. Scientific Reports, 2019, 9, 14351.	3.3	84
43	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
44	Polymeric alginate nanoparticles containing the local anesthetic bupivacaine. Journal of Drug Targeting, 2010, 18, 688-699.	4.4	77
45	Chitosan nanoparticles functionalized with Î²-cyclodextrin: a promising carrier for botanical pesticides. Scientific Reports, 2018, 8, 2067.	3.3	75
46	Use of nanoparticle concentration as a tool to understand the structural properties of colloids. Scientific Reports, 2018, 8, 982.	3.3	75
47	A Mechanistic View of Interactions of a Nanoherbicide with Target Organism. Journal of Agricultural and Food Chemistry, 2019, 67, 4453-4462.	5.2	75
48	Trends in aquaculture sciences: from now to use of nanotechnology for disease control. Reviews in Aquaculture, 2019, 11, 119-132.	9.0	74
49	Micro and nanosystems for delivering local anesthetics. Expert Opinion on Drug Delivery, 2012, 9, 1505-1524.	5.0	72
50	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
51	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
52	Safety assessment of nanopesticides using the roundworm Caenorhabditis elegans. Ecotoxicology and Environmental Safety, 2017, 139, 245-253.	6.0	70
53	Evaluation of the genotoxicity of cellulose nanofibers. International Journal of Nanomedicine, 2012, 7, 3555.	6.7	67
54	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

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55	Characterization of Atrazine-Loaded Biodegradable Poly(Hydroxybutyrate-Co-Hydroxyvalerate) Microspheres. Journal of Polymers and the Environment, 2010, 18, 26-32.	5.0	65
56	Evaluation of the Genotoxicity of Chitosan Nanoparticles for Use in Food Packaging Films. Journal of Food Science, 2010, 75, N89-96.	3.1	64
57	Chitosan and alginate biopolymer membranes for remediation of contaminated water with herbicides. Journal of Environmental Management, 2013, 131, 222-227.	7.8	64
58	Green nanomaterials fostering agrifood sustainability. TrAC - Trends in Analytical Chemistry, 2020, 125, 115840.	11.4	62
59	Trichoderma harzianumâ€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
60	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
61	Spectroscopic evidence for a preferential location of lidocaine inside phospholipid bilayers. Biophysical Chemistry, 2002, 99, 229-243.	2.8	56
62	Drug Delivery Systems for Local Anesthetics. Recent Patents on Drug Delivery and Formulation, 2010, 4, 23-34.	2.1	56
63	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
64	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
65	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
66	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
67	Post-Emergence Herbicidal Activity of Nanoatrazine Against Susceptible Weeds. Frontiers in Environmental Science, 2018, 6, .	3.3	53
68	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
69	Study of the interaction between S(â˜) bupivacaine and 2-hydroxypropyl-Î²-cyclodextrin. International Journal of Pharmaceutics, 2007, 331, 99-106.	5.2	49
70	Association of zein nanoparticles with botanical compounds for effective pest control systems. Pest Management Science, 2019, 75, 1855-1865.	3.4	48
71	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
72	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

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73	Nanocapsules Containing Neem (Azadirachta Indica) Oil: Development, Characterization, And Toxicity Evaluation. Scientific Reports, 2017, 7, 5929.	3.3	46
74	A new look at the hemolytic effect of local anesthetics, considering their real membrane/water partitioning at pH 7.4. Biophysical Chemistry, 2004, 110, 213-221.	2.8	45
75	An eco-designed paper-based algal biosensor for nanoformulated herbicide optical detection. Journal of Hazardous Materials, 2019, 373, 483-492.	12.4	45
76	Differential effects of uncharged aminoamide local anesthetics on phospholipid bilayers, as monitored by 1H-NMR measurements. Biophysical Chemistry, 2005, 115, 11-18.	2.8	44
77	Atrazine nanoencapsulation improves preâ€emergence herbicidal activity against Bidens pilosa without enhancing longâ€term residual effect on Glycine max. Pest Management Science, 2020, 76, 141-149.	3.4	44
78	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
79	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
80	Interaction of benzocaine with model membranes. Biophysical Chemistry, 2000, 87, 213-223.	2.8	43
81	Poly(hydroxybutyrate-co-hydroxyvalerate) microspheres loaded with atrazine herbicide: screening of conditions for preparation, physico-chemical characterization, and in vitro release studies. Polymer Bulletin, 2011, 67, 479-495.	3.3	43
82	Exogenous Administration of 15d-PGJ2â€“Loaded Nanocapsules Inhibits Bone Resorption in a Mouse Periodontitis Model. Journal of Immunology, 2012, 189, 1043-1052.	0.8	43
83	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
84	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
85	Poly(Lactide-co-Glycolide) Nanocapsules Containing Benzocaine: Influence of the Composition of the Oily Nucleus on Physico-Chemical Properties and Anesthetic Activity. Pharmaceutical Research, 2011, 28, 1984-1994.	3.5	41
86	Evaluation of the side effects of poly(epsilon-caprolactone) nanocapsules containing atrazine toward maize plants. Frontiers in Chemistry, 2015, 3, 61.	3.6	41
87	Lignin nanoparticles: New insights for a sustainable agriculture. Journal of Cleaner Production, 2022, 345, 131145.	9.3	41
88	Benzocaine-Loaded Polymeric Nanocapsules: Study of the Anesthetic Activities. Journal of Pharmaceutical Sciences, 2012, 101, 1157-1165.	3.3	40
89	Preparation and Characterization of Poly(Îµ-Caprolactone) Nanospheres Containing the Local Anesthetic Lidocaine. Journal of Pharmaceutical Sciences, 2013, 102, 215-226.	3.3	40
90	Synthesis of biogenic silver nanoparticles using Althaea officinalis as reducing agent: evaluation of toxicity and ecotoxicity. Scientific Reports, 2018, 8, 12397.	3.3	39

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91	Effects of 15dâ€PGJ₂â€loaded poly(D,Lâ€lactideâ€coâ€glycolide) nanocapsules on inflammation. British Journal of Pharmacology, 2011, 162, 623-632.	5.4	38
92	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
93	Hybrid Hydrogel Composed of Polymeric Nanocapsules Co-Loading Lidocaine and Prilocaine for Topical Intraoral Anesthesia. Scientific Reports, 2018, 8, 17972.	3.3	38
94	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
95	Nanopesticide based on botanical insecticide pyrethrum and its potential effects on honeybees. Chemosphere, 2019, 236, 124282.	8.2	38
96	Biogenic Î±-Fe₂O₃ Nanoparticles Enhance the Biological Activity of Trichoderma against the Plant Pathogen Sclerotinia sclerotiorum. ACS Sustainable Chemistry and Engineering, 2021, 9, 1669-1683.	6.7	38
97	Theoretical and experimental study of a praziquantel and -cyclodextrin inclusion complex using molecular mechanic calculations and -nuclear magnetic resonance. Journal of Pharmaceutical and Biomedical Analysis, 2006, 41, 1428-1432.	2.8	37
98	Study of the interaction between hydroxymethylnitrofurazone and 2-hydroxypropyl-Î²-cyclodextrin. Journal of Pharmaceutical and Biomedical Analysis, 2008, 47, 295-302.	2.8	37
99	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
100	Preconcentration and determination of metal ions from fuel ethanol with a new 2,2â€²-dipyridylamine bonded silica. Journal of Colloid and Interface Science, 2013, 391, 116-124.	9.4	36
101	Non-inclusion complexes between riboflavin and cyclodextrins. Journal of Pharmacy and Pharmacology, 2012, 64, 832-842.	2.4	35
102	Zein Nanoparticles Impregnated with Eugenol and Garlic Essential Oils for Treating Fish Pathogens. ACS Omega, 2020, 5, 15557-15566.	3.5	35
103	Initial Development and Characterization of PLGA Nanospheres Containing Ropivacaine. Journal of Biological Physics, 2007, 33, 455-461.	1.5	34
104	Improvement of tetracaine antinociceptive effect by inclusion in cyclodextrins. Journal of Drug Targeting, 2012, 20, 85-96.	4.4	34
105	Encapsulation Strategies for Bacillus thuringiensis: From Now to the Future. Journal of Agricultural and Food Chemistry, 2021, 69, 4564-4577.	5.2	34
106	Preferential location of lidocaine and etidocaine in lecithin bilayers as determined by EPR, fluorescence and 2H NMR. Biophysical Chemistry, 2008, 132, 47-54.	2.8	33
107	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
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	Characterization of lidocaine:hydroxypropyl-Î²-cyclodextrin inclusion complex. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2007, 57, 313-316.	1.6	32
110	Use of Biopolymeric Membranes for Adsorption of Paraquat Herbicide from Water. Water, Air, and Soil Pollution, 2012, 223, 3093-3104.	2.4	32
111	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
112	Pharmacological and local toxicity studies of a liposomal formulation for the novel local anaesthetic ropivacaine. Journal of Pharmacy and Pharmacology, 2008, 60, 1449-1457.	2.4	32
113	Isolation and Biochemical Characterization of a Galactoside Binding Lectin from Bauhinia variegata Candida (BvcL) Seeds. Protein Journal, 2007, 26, 193-201.	1.6	31
114	Physicochemical stability of poly(lactide-co-glycolide) nanocapsules containing the local anesthetic Bupivacaine. Journal of the Brazilian Chemical Society, 2010, 21, 995-1000.	0.6	31
115	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
116	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
117	Comparison of the univariate and multivariate methods in the optimization of experimental conditions for determining Cu, Pb, Ni and Cd in biodiesel by GFAAS. Fuel, 2009, 88, 1907-1914.	6.4	30
118	Computational analysis and physico-chemical characterization of an inclusion compound between praziquantel and methyl-Î²-cyclodextrin for use as an alternative in the treatment of schistosomiasis. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2011, 70, 19-28.	1.6	30
119	NanopartÃculas de alginato como sistema de liberaÃ§Ã£o para o herbicida clomazone. Quimica Nova, 2010, 33, 1868-1873.	0.3	29
120	15d-PGJ2-loaded in nanocapsules enhance the antinociceptive properties into rat temporomandibular hypernociception. Life Sciences, 2012, 90, 944-949.	4.3	29
121	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
122	Mapping soil pollution by spatial analysis and fuzzy classification. Environmental Earth Sciences, 2010, 60, 495-504.	2.7	28
123	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
124	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
125	Recent Developments in Nanotechnology for Detection and Control of Aedes aegypti-Borne Diseases. Frontiers in Bioengineering and Biotechnology, 2020, 8, 102.	4.1	28
126	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

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127	Interaction between nitroheterocyclic compounds with Î²-cyclodextrins: Phase solubility and HPLC studies. Journal of Pharmaceutical and Biomedical Analysis, 2008, 47, 865-869.	2.8	27
128	Benzocaine loaded biodegradable poly-(d,l-lactide-co-glycolide) nanocapsules: factorial design and characterization. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 165, 243-246.	3.5	27
129	Trends in polymers networks applied to the removal of aqueous pollutants: A review. Journal of Cleaner Production, 2021, 295, 126451.	9.3	27
130	Foliar absorption and field herbicidal studies of atrazine-loaded polymeric nanoparticles. Journal of Hazardous Materials, 2021, 418, 126350.	12.4	27
131	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
132	Characterization of Articaine-Loaded Poly(Îµ-caprolactone) Nanocapsules and Solid Lipid Nanoparticles in Hydrogels for Topical Formulations. Journal of Nanoscience and Nanotechnology, 2018, 18, 4428-4438.	0.9	26
133	Development of a method to determine Ni and Cd in biodiesel by graphite furnace atomic absorption spectrometry. Fuel, 2011, 90, 142-146.	6.4	25
134	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
135	Poly(ethylene glycol) and Cyclodextrin-Grafted Chitosan: From Methodologies to Preparation and Potential Biotechnological Applications. Frontiers in Chemistry, 2017, 5, 93.	3.6	24
136	Trends in nanoformulations for atopic dermatitis treatment. Expert Opinion on Drug Delivery, 2020, 17, 1615-1630.	5.0	24
137	What makes nanotechnologies applied to agriculture green?. Nano Today, 2022, 43, 101389.	11.9	23
138	Stability and Local Toxicity Evaluation of a Liposomal Prilocaine Formulation. Journal of Liposome Research, 2008, 18, 329-339.	3.3	22
139	Study on soluble heavy metals with preconcentration by using a new modified oligosilsesquioxane sorbent. Journal of Hazardous Materials, 2012, 237-238, 215-222.	12.4	22
140	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
141	Fecal Sterols in Estuarine Sediments as Markers of Sewage Contamination in the CubatÃ£o Area, SÃ£o Paulo, Brazil. Aquatic Geochemistry, 2012, 18, 433-443.	1.3	21
142	Desenvolvimento de nanocÃ¡psulas de poli-Îµ-caprolactona contendo o herbicida atrazina. Quimica Nova, 2012, 35, 132-137.	0.3	21
143	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
144	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

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145	Pharmacological and local toxicity studies of a liposomal formulation for the novel local anaesthetic ropivacaine. Journal of Pharmacy and Pharmacology, 2010, 60, 1449-1457.	2.4	20
146	Desenvolvimento e caracterizaÃ§Ã£o de nanocÃ¡psulas de poli (L-lactÃdeo) contendo benzocaÃ¬na. Quimica Nova, 2010, 33, 65-69.	0.3	20
147	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
148	Hostâ€“guest system of 4-nerolidylcatechol in 2-hydroxypropyl-Î²-cyclodextrin: preparation, characterization and molecular modeling. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2009, 64, 23-35.	1.6	19
149	Cyclodextrin Inclusion Complexes Loaded in Particles as Drug Carrier Systems. Current Topics in Medicinal Chemistry, 2014, 14, 518-525.	2.1	19
150	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
151	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
152	Screening of Conditions for the Preparation of Poly(-Caprolactone) Nanocapsules Containing the Local Anesthetic Articaine. Journal of Colloid Science and Biotechnology, 2013, 2, 106-111.	0.2	18
153	CaracterizaÃ§Ã£o fÃsico-quÃmica de complexo de inclusÃ£o entre hidroximetilnitrofurazona e hidroxipropil-beta-ciclodextrina. Quimica Nova, 2008, 31, 290-295.	0.3	17
154	Bio-Based Nanoemulsion Formulations Applicable in Agriculture, Medicine, and Food Industry. Nanotechnology in the Life Sciences, 2019, , 33-84.	0.6	17
155	Hydroxymethylnitrofurazone:Dimethyl-Î²-cyclodextrin Inclusion Complex: A Physicalâ€“Chemistry Characterization. Journal of Biological Physics, 2007, 33, 445-453.	1.5	16
156	Effect of a nanostructured dendrimer-naloxonazine complex on endogenous opioid peptides Î¼1 receptor-mediated post-ictal antinociception. Nanomedicine: Nanotechnology, Biology, and Medicine, 2011, 7, 871-880.	3.3	16
157	Evaluation of Cyto- and Genotoxicity of Poly(lactide-co-glycolide) Nanoparticles. Journal of Polymers and the Environment, 2011, 19, 196-202.	5.0	16
158	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
159	Physico-Chemical Characterization and Biopharmaceutical Evaluation of Lipid-Poloxamer-Based Organogels for Curcumin Skin Delivery. Frontiers in Pharmacology, 2019, 10, 1006.	3.5	15
160	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
161	Hydrogels Containing Botanical Repellents Encapsulated in Zein Nanoparticles for Crop Protection. ACS Applied Nano Materials, 2020, 3, 207-217.	5.0	15
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