Renata Lima

List of Publications by Citations

83 papers	4,184 citations	34 h-index	63 g-index
90 ext. papers	4,921 ext. citations	4.4 avg, IF	5.93 L-index

#	Paper	IF	Citations
83	Nanotoxicity of graphene and graphene oxide. *Chemical Research in Toxicology*, **2014**, 27, 159-68	4	570
82	Silver nanoparticles: a brief review of cytotoxicity and genotoxicity of chemically and biogenically synthesized nanoparticles. *Journal of Applied Toxicology*, **2012**, 32, 867-79	4.1	357
81	Chitosan/tripolyphosphate nanoparticles loaded with paraquat herbicide: an environmentally safer alternative for weed control. *Journal of Hazardous Materials*, **2014**, 278, 163-71	12.8	243
80	Synthesis of Silver Nanoparticles Mediated by Fungi: A Review. *Frontiers in Bioengineering and Biotechnology*, **2019**, 7, 287	5.8	221
79	Preparation and characterization of ceria nanospheres by microwave-hydrothermal method. *Materials Letters*, **2008**, 62, 4509-4511	3.3	172
78	Poly(Ecaprolactone)nanocapsules as carrier systems for herbicides: physico-chemical characterization and genotoxicity evaluation. *Journal of Hazardous Materials*, **2012**, 231-232, 1-9	12.8	151
77	Biogenic silver nanoparticles based on trichoderma harzianum: synthesis, characterization, toxicity evaluation and biological activity. *Scientific Reports*, **2017**, 7, 44421	4.9	107
76	Toxicity assessment of TiO□nanoparticles in zebrafish embryos under different exposure conditions. *Aquatic Toxicology*, **2014**, 147, 129-39	5.1	106
75	Polymeric and Solid Lipid Nanoparticles for Sustained Release of Carbendazim and Tebuconazole in Agricultural Applications. *Scientific Reports*, **2015**, 5, 13809	4.9	106
74	Nanoparticles Based on Chitosan as Carriers for the Combined Herbicides Imazapic and Imazapyr. *Scientific Reports*, **2016**, 6, 19768	4.9	101
73	Solid lipid nanoparticles co-loaded with simazine and atrazine: preparation, characterization, and evaluation of herbicidal activity. *Journal of Agricultural and Food Chemistry*, **2015**, 63, 422-32	5.7	96
72	Controlled release system for ametryn using polymer microspheres: preparation, characterization and release kinetics in water. *Journal of Hazardous Materials*, **2011**, 186, 1645-51	12.8	95
71	How can nanotechnology help to combat COVID-19? Opportunities and urgent need. *Journal of Nanobiotechnology*, **2020**, 18, 125	9.4	91
70	Zein Nanoparticles as Eco-Friendly Carrier Systems for Botanical Repellents Aiming Sustainable Agriculture. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 1330-1340	5.7	90
69	Zein Nanoparticles and Strategies to Improve Colloidal Stability: A Mini-Review. *Frontiers in Chemistry*, **2018**, 6, 6	5	69
68	Neem Oil and Crop Protection: From Now to the Future. *Frontiers in Plant Science*, **2016**, 7, 1494	6.2	69
67	Ecotoxicological evaluation of poly(epsilon-caprolactone) nanocapsules containing triazine herbicides. *Journal of Nanoscience and Nanotechnology*, **2014**, 14, 4911-7	1.3	57

66	Characterization of Atrazine-Loaded Biodegradable Poly(Hydroxybutyrate-Co-Hydroxyvalerate) Microspheres. *Journal of Polymers and the Environment*, **2010**, 18, 26-32	4.5	57
65	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	5.7	56
64	Evaluation of the genotoxicity of cellulose nanofibers. *International Journal of Nanomedicine*, **2012**, 7, 3555-65	7.3	56
63	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	10.2	55
62	Preparation, characterization, cytotoxicity, and genotoxicity evaluations of thiolated- and s-nitrosated superparamagnetic iron oxide nanoparticles: implications for cancer treatment. *Chemical Research in Toxicology*, **2014**, 27, 1207-18	4	55
61	Carvacrol and linalool co-loaded in Ecyclodextrin-grafted chitosan nanoparticles as sustainable biopesticide aiming pest control. *Scientific Reports*, **2018**, 8, 7623	4.9	54
60	Evaluation of the genotoxicity of chitosan nanoparticles for use in food packaging films. *Journal of Food Science*, **2010**, 75, N89-96	3.4	52
59	Re-addressing the biosafety issues of plant growth promoting rhizobacteria. *Science of the Total Environment*, **2019**, 690, 841-852	10.2	51
58	Fish exposure to nano-TiO2 under different experimental conditions: methodological aspects for nanoecotoxicology investigations. *Science of the Total Environment*, **2013**, 463-464, 647-56	10.2	51
57	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, 562-72	12.8	50
56	Biosynthesis of silver nanoparticles employing Trichoderma harzianum with enzymatic stimulation for the control of Sclerotinia sclerotiorum. *Scientific Reports*, **2019**, 9, 14351	4.9	47
55	Nitric oxide releasing nanomaterials for cancer treatment: current status and perspectives. *Current Topics in Medicinal Chemistry*, **2015**, 15, 298-308	3	43
54	Twenty years of acanthamoeba keratitis. *Cornea*, **2009**, 28, 516-9	3.1	41
53	Trichoderma harzianum-based novel formulations: potential applications for management of Next-Gen agricultural challenges. *Journal of Chemical Technology and Biotechnology*, **2018**, 93, 2056-2063	3.5	37
52	Oil palm monoculture induces drastic erosion of an Amazonian forest mammal fauna. *PLoS ONE*, **2017**, 12, e0187650	3.7	36
51	Prospects for the Use of New Technologies to Combat Multidrug-Resistant Bacteria. *Frontiers in Pharmacology*, **2019**, 10, 692	5.6	34
50	Sericin from Bombyx mori cocoons. Part I: Extraction and physicochemical-biological characterization for biopharmaceutical applications. *Process Biochemistry*, **2017**, 61, 163-177	4.8	34
49	Study of the interaction between hydroxymethylnitrofurazone and 2-hydroxypropyl-beta-cyclodextrin. *Journal of Pharmaceutical and Biomedical Analysis*, **2008**, 47, 295-302	3.5	34

48	Nanocapsules Containing Neem (Azadirachta Indica) Oil: Development, Characterization, And Toxicity Evaluation. *Scientific Reports*, **2017**, 7, 5929	4.9	33
47	Synthesis of biogenic silver nanoparticles using Althaea officinalis as reducing agent: evaluation of toxicity and ecotoxicity. *Scientific Reports*, **2018**, 8, 12397	4.9	31
46	Association of zein nanoparticles with botanical compounds for effective pest control systems. *Pest Management Science*, **2019**, 75, 1855-1865	4.6	31
45	Nanoparticles cyto and genotoxicity in plants: Mechanisms and abnormalities. *Environmental Nanotechnology, Monitoring and Management*, **2016**, 6, 184-193	3.3	30
44	Initial development and characterization of PLGA nanospheres containing ropivacaine. *Journal of Biological Physics*, **2007**, 33, 455-61	1.6	29
43	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	9.5	27
42	Development of hydrophilic nanocarriers for the charged form of the local anesthetic articaine. *Colloids and Surfaces B: Biointerfaces*, **2014**, 121, 66-73	6	26
41	Blood cell responses and metallothionein in the liver, kidney and muscles of bullfrog tadpoles, Lithobates catesbeianus, following exposure to different metals. *Environmental Pollution*, **2017**, 221, 445-452	9.3	25
40	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, 2391-401	7.3	25
39	Biomarker Evaluation in Fish After Prolonged Exposure to Nano-TiO2: Influence of Illumination Conditions and Crystal Phase. *Journal of Nanoscience and Nanotechnology*, **2015**, 15, 5424-33	1.3	21
38	Complications associated with anterior basement membrane dystrophy after laser in situ keratomileusis. *Journal of Cataract and Refractive Surgery*, **2004**, 30, 2328-31	2.3	21
37	Bean Seedling Growth Enhancement Using Magnetite Nanoparticles. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 5746-5755	5.7	21
36	Characterization of Articaine-Loaded Poly(-caprolactone) Nanocapsules and Solid Lipid Nanoparticles in Hydrogels for Topical Formulations. *Journal of Nanoscience and Nanotechnology*, **2018**, 18, 4428-4438	1.3	20
35	Structural and functional stabilization of bacteriophage particles within the aqueous core of a W/O/W multiple emulsion: A potential biotherapeutic system for the inhalational treatment of bacterial pneumonia. *Process Biochemistry*, **2018**, 64, 177-192	4.8	18
34	Cytotoxicity and genotoxicity of biogenic silver nanoparticles. *Journal of Physics: Conference Series*, **2013**, 429, 012020	0.3	16
33	Joint Theoretical and Experimental Study on the La Doping Process in InO: Phase Transition and Electrocatalytic Activity. *Inorganic Chemistry*, **2019**, 58, 11738-11750	5.1	15
32	Design, Reactivity, and Biological Activity of Ruthenium Nitrosyl Complexes. *Advances in Inorganic Chemistry*, **2015**, 67, 265-294	2.1	15
31	Evaluation of Cyto- and Genotoxicity of Poly(lactide-co-glycolide) Nanoparticles. *Journal of Polymers and the Environment*, **2011**, 19, 196-202	4.5	15

30	Zein Nanoparticles Impregnated with Eugenol and Garlic Essential Oils for Treating Fish Pathogens. *ACS Omega*, **2020**, 5, 15557-15566	3.9	14
29	Influence of the capping of biogenic silver nanoparticles on their toxicity and mechanism of action towards Sclerotinia sclerotiorum. *Journal of Nanobiotechnology*, **2021**, 19, 53	9.4	14
28	Study of adsorption and preconcentration by using a new silica organomodified with [3-(2,2′dipyridylamine)propyl] groups. *Journal of Separation Science*, **2013**, 36, 817-25	3.4	13
27	15d-PGJ2-Loaded Solid Lipid Nanoparticles: Physicochemical Characterization and Evaluation of Pharmacological Effects on Inflammation. *PLoS ONE*, **2016**, 11, e0161796	3.7	13
26	Effect of Gd3+ doping on structural and photocatalytic properties of ZnO obtained by facile microwave-hydrothermal method. *SN Applied Sciences*, **2019**, 1, 1	1.8	12
25	Iron oxide nanoparticles show no toxicity in the comet assay in lymphocytes: A promising vehicle as a nitric oxide releasing nanocarrier in biomedical applications. *Journal of Physics: Conference Series*, **2013**, 429, 012021	0.3	11
24	Biomimetic dense lamellar scaffold based on a colloidal complex of the polyaniline (PANi) and biopolymers for electroactive and physiomechanical stimulation of the myocardial. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2019**, 579, 123650	5.1	10
23	Nitric oxide releasing iron oxide magnetic nanoparticles for biomedical applications: cell viability, apoptosis and cell death evaluations. *Journal of Physics: Conference Series*, **2013**, 429, 012034	0.3	10
22	Biogenic Fe2O3 Nanoparticles Enhance the Biological Activity of Trichoderma against the Plant Pathogen Sclerotinia sclerotiorum. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 1669-1683	8.3	10
21	Characterization of PNIPAAm-co-AAm hydrogels for modified release of bromelain. *European Polymer Journal*, **2018**, 105, 48-54	5.2	10
20	Cytotoxicity and Genotoxicity of Biogenically Synthesized Silver Nanoparticles. *Nanomedicine and Nanotoxicology*, **2014**, 245-263	0.3	9
19	Encapsulation of Local Anesthetic Bupivacaine in Biodegradable Poly(DL-lactide-co-glycolide) Nanospheres: Factorial Design, Characterization and Cytotoxicity Studies. *Macromolecular Symposia* , **2009**, 281, 106-112	0.8	9
18	Evaluation of the in vitro and in vivo dimorphism of Sporothrix schenckii, Blastomyces dermatitidis, and Paracoccidioides brasiliensis isolates after preservation in mineral oil. *Canadian Journal of Microbiology*, **2004**, 50, 445-9	3.2	9
17	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	9
16	Scaffolds and tissue regeneration: An overview of the functional properties of selected organic tissues. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2016**, 104, 1483-94	3.5	8
15	Formulation and evaluation of thermoresponsive polymeric blend as a vaginal controlled delivery system. *Journal of Sol-Gel Science and Technology*, **2018**, 86, 536-552	2.3	7
14	Development of HA/Ag-NPs Composite Coating from Green Process for Hip Applications. *Molecules* , **2017**, 22,	4.8	6
13	Interlab study on nanotoxicology of representative graphene oxide. *Journal of Physics: Conference Series*, **2015**, 617, 012019	0.3	5

12	A novel dosage form for buccal administration of bupropion. *Brazilian Journal of Pharmaceutical Sciences*, **2015**, 51, 91-100	1.8	4
11	Analysis of the effects of pesticides and nanopesticides on the environment. *BMC Proceedings*, **2014**, 8,	2.3	4
10	Sistemas carreadores lipídicos nanoestruturados para ivermectina e metopreno visando controle de parasitas. *Quimica Nova*,	1.6	3
9	Use of Ceramic Membrane for Indigo Separation in Effluent from Textile Industry. *Materials Science Forum*, **2014**, 798-799, 537-541	0.4	2
8	Can a one-sampling campaign produce robust results for water quality monitoring? A case of study in Itupararanga reservoir, SP, Brazil. *Acta Limnologica Brasiliensia*, **2016**, 28,	0.9	2
7	Size Controllable Metal Nanoparticles Anchored on Nitrogen Doped Carbon for Electrocatalytic Energy Conversion. *ChemElectroChem*, **2019**, 6, 1508-1513	4.3	2
6	Hydrogels Containing Budesonide-Loaded Nanoparticles to Facilitate Percutaneous Absorption for Atopic Dermatitis Treatment Applications. *ACS Applied Polymer Materials*, **2021**, 3, 4436-4449	4.3	2
5	Genetic Studies on the Effects of Nanomaterials. *Nanomedicine and Nanotoxicology*, **2014**, 177-199	0.3	2
4	An illustrative case of Léri-Weill dyschondrosteosis. *Genetics and Molecular Biology*, **2008**, 31, 839-842	2	1
3	Cellulose Hydrogels Containing Geraniol and Icaridin Encapsulated in Zein Nanoparticles for Arbovirus Control.. *ACS Applied Bio Materials*, **2022**,	4.1	1
2	Using Chitosan-Coated Polymeric Nanoparticles-Thermosensitive Hydrogels in association with Limonene as Skin Drug Delivery Strategy.. *BioMed Research International*, **2022**, 2022, 9165443	3	1
1	Dense lamellar scaffold, biomimetically inspired, for reverse cardiac remodeling: Effect of proanthocyanidins and glutaraldehyde. *Journal of Dispersion Science and Technology*, **2021**, 42, 248-261	1.5	0