

# Renata Lima

## List of Publications by Year in descending order

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88  
papers

5,846  
citations

87888

38  
h-index

74163

75  
g-index

91  
all docs

91  
docs citations

91  
times ranked

8513  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanotoxicity of Graphene and Graphene Oxide. <i>Chemical Research in Toxicology</i> , 2014, 27, 159-168.	3.3	729
2	Silver nanoparticles: a brief review of cytotoxicity and genotoxicity of chemically and biogenically synthesized nanoparticles. <i>Journal of Applied Toxicology</i> , 2012, 32, 867-879.	2.8	435
3	Synthesis of Silver Nanoparticles Mediated by Fungi: A Review. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 287.	4.1	413
4	Chitosan/tripolyphosphate nanoparticles loaded with paraquat herbicide: An environmentally safer alternative for weed control. <i>Journal of Hazardous Materials</i> , 2014, 278, 163-171.	12.4	305
5	Preparation and characterization of ceria nanospheres by microwave-hydrothermal method. <i>Materials Letters</i> , 2008, 62, 4509-4511.	2.6	206
6	Poly( $\epsilon$ -caprolactone)nanocapsules as carrier systems for herbicides: Physico-chemical characterization and genotoxicity evaluation. <i>Journal of Hazardous Materials</i> , 2012, 231-232, 1-9.	12.4	194
7	How can nanotechnology help to combat COVID-19? Opportunities and urgent need. <i>Journal of Nanobiotechnology</i> , 2020, 18, 125.	9.1	163
8	Polymeric and Solid Lipid Nanoparticles for Sustained Release of Carbendazim and Tebuconazole in Agricultural Applications. <i>Scientific Reports</i> , 2015, 5, 13809.	3.3	141
9	Nanoparticles Based on Chitosan as Carriers for the Combined Herbicides Imazapic and Imazapyr. <i>Scientific Reports</i> , 2016, 6, 19768.	3.3	140
10	Biogenic silver nanoparticles based on trichoderma harzianum: synthesis, characterization, toxicity evaluation and biological activity. <i>Scientific Reports</i> , 2017, 7, 44421.	3.3	135
11	Zein Nanoparticles as Eco-Friendly Carrier Systems for Botanical Repellents Aiming Sustainable Agriculture. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 1330-1340.	5.2	132
12	Solid Lipid Nanoparticles Co-loaded with Simazine and Atrazine: Preparation, Characterization, and Evaluation of Herbicidal Activity. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 422-432.	5.2	131
13	Toxicity assessment of TiO <sub>2</sub> nanoparticles in zebrafish embryos under different exposure conditions. <i>Aquatic Toxicology</i> , 2014, 147, 129-139.	4.0	128
14	Controlled release system for ametryn using polymer microspheres: Preparation, characterization and release kinetics in water. <i>Journal of Hazardous Materials</i> , 2011, 186, 1645-1651.	12.4	116
15	Zein Nanoparticles and Strategies to Improve Colloidal Stability: A Mini-Review. <i>Frontiers in Chemistry</i> , 2018, 6, 6.	3.6	115
16	Neem Oil and Crop Protection: From Now to the Future. <i>Frontiers in Plant Science</i> , 2016, 7, 1494.	3.6	112
17	Re-addressing the biosafety issues of plant growth promoting rhizobacteria. <i>Science of the Total Environment</i> , 2019, 690, 841-852.	8.0	94
18	Neem oil based nanopesticide as an environmentally-friendly formulation for applications in sustainable agriculture: An ecotoxicological perspective. <i>Science of the Total Environment</i> , 2019, 677, 57-67.	8.0	92

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19	Carvacrol and linalool co-loaded in $\beta$ -cyclodextrin-grafted chitosan nanoparticles as sustainable biopesticide aiming pest control. <i>Scientific Reports</i> , 2018, 8, 7623.	3.3	87
20	Ecotoxicological Evaluation of Poly( $\epsilon$ -Caprolactone) Nanocapsules Containing Triazine Herbicides. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 4911-4917.	0.9	85
21	Geraniol Encapsulated in Chitosan/Gum Arabic Nanoparticles: A Promising System for Pest Management in Sustainable Agriculture. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 5325-5334.	5.2	84
22	Biosynthesis of silver nanoparticles employing <i>Trichoderma harzianum</i> with enzymatic stimulation for the control of <i>Sclerotinia sclerotiorum</i> . <i>Scientific Reports</i> , 2019, 9, 14351.	3.3	84
23	Preparation, Characterization, Cytotoxicity, and Genotoxicity Evaluations of Thiolated- and S-Nitrosated Superparamagnetic Iron Oxide Nanoparticles: Implications for Cancer Treatment. <i>Chemical Research in Toxicology</i> , 2014, 27, 1207-1218.	3.3	71
24	Evaluation of the genotoxicity of cellulose nanofibers. <i>International Journal of Nanomedicine</i> , 2012, 7, 3555.	6.7	67
25	Chitosan nanoparticles loaded the herbicide paraquat: The influence of the aquatic humic substances on the colloidal stability and toxicity. <i>Journal of Hazardous Materials</i> , 2015, 286, 562-572.	12.4	66
26	Characterization of Atrazine-Loaded Biodegradable Poly(Hydroxybutyrate-Co-Hydroxyvalerate) Microspheres. <i>Journal of Polymers and the Environment</i> , 2010, 18, 26-32.	5.0	65
27	Evaluation of the Genotoxicity of Chitosan Nanoparticles for Use in Food Packaging Films. <i>Journal of Food Science</i> , 2010, 75, N89-96.	3.1	64
28	Prospects for the Use of New Technologies to Combat Multidrug-Resistant Bacteria. <i>Frontiers in Pharmacology</i> , 2019, 10, 692.	3.5	63
29	<i>Trichoderma harzianum</i> -based novel formulations: potential applications for management of Next-Gen agricultural challenges. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 2056-2063.	3.2	61
30	Fish exposure to nano-TiO <sub>2</sub> under different experimental conditions: Methodological aspects for nanoecotoxicology investigations. <i>Science of the Total Environment</i> , 2013, 463-464, 647-656.	8.0	56
31	Nitric Oxide Releasing Nanomaterials for Cancer Treatment: Current Status and Perspectives. <i>Current Topics in Medicinal Chemistry</i> , 2015, 15, 298-308.	2.1	56
32	Sericin from <i>Bombyx mori</i> cocoons. Part I: Extraction and physicochemical-biological characterization for biopharmaceutical applications. <i>Process Biochemistry</i> , 2017, 61, 163-177.	3.7	56
33	Twenty Years of <i>Acanthamoeba Keratitis</i> . <i>Cornea</i> , 2009, 28, 516-519.	1.7	54
34	Oil palm monoculture induces drastic erosion of an Amazonian forest mammal fauna. <i>PLoS ONE</i> , 2017, 12, e0187650.	2.5	54
35	Association of zein nanoparticles with botanical compounds for effective pest control systems. <i>Pest Management Science</i> , 2019, 75, 1855-1865.	3.4	48
36	Nanoparticles cyto and genotoxicity in plants: Mechanisms and abnormalities. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2016, 6, 184-193.	2.9	47

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37	Nanocapsules Containing Neem ( <i>Azadirachta Indica</i> ) Oil: Development, Characterization, And Toxicity Evaluation. <i>Scientific Reports</i> , 2017, 7, 5929.	3.3	46
38	Influence of the capping of biogenic silver nanoparticles on their toxicity and mechanism of action towards <i>Sclerotinia sclerotiorum</i> . <i>Journal of Nanobiotechnology</i> , 2021, 19, 53.	9.1	44
39	Synthesis of biogenic silver nanoparticles using <i>Althaea officinalis</i> as reducing agent: evaluation of toxicity and ecotoxicity. <i>Scientific Reports</i> , 2018, 8, 12397.	3.3	39
40	Sub-Micrometer Magnetic Nanocomposites: Insights into the Effect of Magnetic Nanoparticles Interactions on the Optimization of SAR and MRI Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 25777-25787.	8.0	38
41	Biogenic $\text{Fe}_2\text{O}_3$ Nanoparticles Enhance the Biological Activity of <i>Trichoderma</i> against the Plant Pathogen <i>Sclerotinia sclerotiorum</i> . <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 1669-1683.	6.7	38
42	Study of the interaction between hydroxymethylnitrofurazone and 2-hydroxypropyl- $\beta$ -cyclodextrin. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 47, 295-302.	2.8	37
43	Zein Nanoparticles Impregnated with Eugenol and Garlic Essential Oils for Treating Fish Pathogens. <i>ACS Omega</i> , 2020, 5, 15557-15566.	3.5	35
44	Initial Development and Characterization of PLGA Nanospheres Containing Ropivacaine. <i>Journal of Biological Physics</i> , 2007, 33, 455-461.	1.5	34
45	Ploxamer-based binary hydrogels for delivering tramadol hydrochloride: sol-gel transition studies, dissolution-release kinetics, in vitro toxicity, and pharmacological evaluation. <i>International Journal of Nanomedicine</i> , 2015, 10, 2391.	6.7	33
46	Blood cell responses and metallothionein in the liver, kidney and muscles of bullfrog tadpoles, <i>Lithobates catesbeianus</i> , following exposure to different metals. <i>Environmental Pollution</i> , 2017, 221, 445-452.	7.5	33
47	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. <i>Process Biochemistry</i> , 2018, 64, 177-192.	3.7	29
48	Development of hydrophilic nanocarriers for the charged form of the local anesthetic articaine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 121, 66-73.	5.0	28
49	Bean Seedling Growth Enhancement Using Magnetite Nanoparticles. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 5746-5755.	5.2	28
50	Design, Reactivity, and Biological Activity of Ruthenium Nitrosyl Complexes. <i>Advances in Inorganic Chemistry</i> , 2015, 67, 265-294.	1.0	26
51	Characterization of Articaine-Loaded Poly( $\epsilon$ -caprolactone) Nanocapsules and Solid Lipid Nanoparticles in Hydrogels for Topical Formulations. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 4428-4438.	0.9	26
52	Complications associated with anterior basement membrane dystrophy after laser in situ keratomileusis. <i>Journal of Cataract and Refractive Surgery</i> , 2004, 30, 2328-2331.	1.5	25
53	Effect of $\text{Gd}^{3+}$ doping on structural and photocatalytic properties of ZnO obtained by facile microwave-hydrothermal method. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	23
54	Biomarker Evaluation in Fish After Prolonged Exposure to Nano-TiO <sub>2</sub> : Influence of Illumination Conditions and Crystal Phase. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 5424-5433.	0.9	22

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55	Joint Theoretical and Experimental Study on the La Doping Process in In <sub>2</sub> O <sub>3</sub> : Phase Transition and Electrocatalytic Activity. <i>Inorganic Chemistry</i> , 2019, 58, 11738-11750.	4.0	22
56	Cytotoxicity and genotoxicity of biogenic silver nanoparticles. <i>Journal of Physics: Conference Series</i> , 2013, 429, 012020.	0.4	18
57	Evaluation of Cyto- and Genotoxicity of Poly(lactide-co-glycolide) Nanoparticles. <i>Journal of Polymers and the Environment</i> , 2011, 19, 196-202.	5.0	16
58	Biomimetic dense lamellar scaffold based on a colloidal complex of the polyaniline (PANI) and biopolymers for electroactive and physiomechanical stimulation of the myocardial. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 579, 123650.	4.7	16
59	Iron oxide nanoparticles show no toxicity in the comet assay in lymphocytes: A promising vehicle as a nitric oxide releasing nanocarrier in biomedical applications. <i>Journal of Physics: Conference Series</i> , 2013, 429, 012021.	0.4	15
60	Characterization of PNIPAAm-co-AAm hydrogels for modified release of bromelain. <i>European Polymer Journal</i> , 2018, 105, 48-54.	5.4	15
61	15d-PGJ2-Loaded Solid Lipid Nanoparticles: Physicochemical Characterization and Evaluation of Pharmacological Effects on Inflammation. <i>PLoS ONE</i> , 2016, 11, e0161796.	2.5	15
62	Nitric oxide releasing iron oxide magnetic nanoparticles for biomedical applications: cell viability, apoptosis and cell death evaluations. <i>Journal of Physics: Conference Series</i> , 2013, 429, 012034.	0.4	14
63	Influence of chitosan-tripolyphosphate nanoparticles on thermosensitive polymeric hydrogels: structural organization, drug release mechanisms and cytotoxicity. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2020, 69, 592-603.	3.4	14
64	Study of adsorption and preconcentration by using a new silica organomodified with [3-(2,2-dipyridylamine)propyl] groups. <i>Journal of Separation Science</i> , 2013, 36, 817-825.	2.5	13
65	Encapsulation of Local Anesthetic Bupivacaine in Biodegradable Poly(DL-lactide-co-glycolide) Nanospheres: Factorial Design, Characterization and Cytotoxicity Studies. <i>Macromolecular Symposia</i> , 2009, 281, 106-112.	0.7	12
66	Cytotoxicity and Genotoxicity of Biogenically Synthesized Silver Nanoparticles. <i>Nanomedicine and Nanotoxicology</i> , 2014, , 245-263.	0.2	12
67	Evaluation of the in vitro and in vivo dimorphism of <i>Sporothrix schenckii</i> , <i>Blastomyces dermatitidis</i> , and <i>Paracoccidioides brasiliensis</i> isolates after preservation in mineral oil. <i>Canadian Journal of Microbiology</i> , 2004, 50, 445-449.	1.7	11
68	Development of HA/Ag-NPs Composite Coating from Green Process for Hip Applications. <i>Molecules</i> , 2017, 22, 1291.	3.8	10
69	Future trends in nanotechnology aiming environmental applications. <i>Energy, Ecology and Environment</i> , 2018, 3, 69-71.	3.9	10
70	Formulation and evaluation of thermoresponsive polymeric blend as a vaginal controlled delivery system. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 86, 536-552.	2.4	10
71	Scaffolds and tissue regeneration: An overview of the functional properties of selected organic tissues. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016, 104, 1483-1494.	3.4	9
72	Hydrogels Containing Budesonide-Loaded Nanoparticles to Facilitate Percutaneous Absorption for Atopic Dermatitis Treatment Applications. <i>ACS Applied Polymer Materials</i> , 2021, 3, 4436-4449.	4.4	9

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73	Using Chitosan-Coated Polymeric Nanoparticles-Thermosensitive Hydrogels in association with Limonene as Skin Drug Delivery Strategy. <i>BioMed Research International</i> , 2022, 2022, 1-18.	1.9	9
74	Interlab study on nanotoxicology of representative graphene oxide. <i>Journal of Physics: Conference Series</i> , 2015, 617, 012019.	0.4	7
75	Analysis of the effects of pesticides and nanopesticides on the environment. <i>BMC Proceedings</i> , 2014, 8, .	1.6	6
76	A novel dosage form for buccal administration of bupropion. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 2015, 51, 91-100.	1.2	6
77	Cellulose Hydrogels Containing Geraniol and Icaridin Encapsulated in Zein Nanoparticles for Arbovirus Control. <i>ACS Applied Bio Materials</i> , 2022, 5, 1273-1283.	4.6	5
78	Size Controllable Metal Nanoparticles Anchored on Nitrogen Doped Carbon for Electrocatalytic Energy Conversion. <i>ChemElectroChem</i> , 2019, 6, 1508-1513.	3.4	4
79	Can a one-sampling campaign produce robust results for water quality monitoring? A case of study in Itupararanga reservoir, SP, Brazil. <i>Acta Limnologica Brasiliensia</i> , 2016, 28, .	0.4	3
80	EFEITOS DE NANOPARTÍCULAS COMERCIAIS DE ÓXIDO DE FERRO (Fe <sub>2</sub> O <sub>3</sub> ): CITOTOXICIDADE, GENOTOXICIDADE E ESTRESSE OXIDATIVO. <i>Química Nova</i> , 2018, 2018, .	0.3	3
81	Dense lamellar scaffold, biomimetically inspired, for reverse cardiac remodeling: Effect of proanthocyanidins and glutaraldehyde. <i>Journal of Dispersion Science and Technology</i> , 2021, 42, 248-261.	2.4	3
82	Sistemas carreadores lipídicos nanoestruturados para ivermectina e metopreno visando controle de parasitas. <i>Química Nova</i> , 0, , .	0.3	3
83	Use of Ceramic Membrane for Indigo Separation in Effluent from Textile Industry. <i>Materials Science Forum</i> , 0, 798-799, 537-541.	0.3	2
84	Genetic Studies on the Effects of Nanomaterials. <i>Nanomedicine and Nanotoxicology</i> , 2014, , 177-199.	0.2	2
85	Bioreactivity of a novel poly(epsilon-caprolactone) nanocapsule containing atrazine with human lung alveolar epithelial cells. <i>Environmental Science: Nano</i> , 0, , .	4.3	2
86	An illustrative case of LÃ©ri-Weill dyschondrosteosis. <i>Genetics and Molecular Biology</i> , 2008, 31, 839-842.	1.3	1
87	Effect of the presence of aquatic humic substances on the toxicity of chitosan/tripolyphosphate nanoparticles containing paraquat. <i>Toxicology Letters</i> , 2014, 229, S191.	0.8	0
88	S33â€¦The effects of a novel poly(epsilon-caprolactone) nanocapsule containing the pesticide atrazine on human alveolar epithelium. , 2018, , .		0