

Silvia Pedroso Melegari

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

27
papers

814
citations

14
h-index

28
g-index

28
ext. papers

938
ext. citations

6.2
avg, IF

3.96
L-index

#	Paper	IF	Citations
27	Evaluation of toxicity and oxidative stress induced by copper oxide nanoparticles in the green alga <i>Chlamydomonas reinhardtii</i> . <i>Aquatic Toxicology</i> , 2013 , 142-143, 431-40	5.1	176
26	Polymer coating of copper oxide nanoparticles increases nanoparticles uptake and toxicity in the green alga <i>Chlamydomonas reinhardtii</i> . <i>Chemosphere</i> , 2012 , 87, 1388-94	8.4	132
25	Genotoxic effects of copper oxide nanoparticles in Neuro 2A cell cultures. <i>Science of the Total Environment</i> , 2012 , 441, 117-24	10.2	72
24	Comparative evaluation of acute and chronic toxicities of CuO nanoparticles and bulk using <i>Daphnia magna</i> and <i>Vibrio fischeri</i> . <i>Science of the Total Environment</i> , 2014 , 490, 807-14	10.2	61
23	Effect of chromium oxide (III) nanoparticles on the production of reactive oxygen species and photosystem II activity in the green alga <i>Chlamydomonas reinhardtii</i> . <i>Science of the Total Environment</i> , 2016 , 565, 951-960	10.2	52
22	Induction to oxidative stress by saxitoxin investigated through lipid peroxidation in Neuro 2A cells and <i>Chlamydomonas reinhardtii</i> alga. <i>Chemosphere</i> , 2012 , 89, 38-43	8.4	45
21	Investigation of animal and algal bioassays for reliable saxitoxin ecotoxicity and cytotoxicity risk evaluation. <i>Ecotoxicology and Environmental Safety</i> , 2011 , 74, 1021-6	7	33
20	Resolution of β -methylene- β -hydroxy esters catalyzed by free and immobilized <i>Pseudomonas</i> sp. lipase. <i>Tetrahedron: Asymmetry</i> , 2003 , 14, 3111-3115		33
19	Synthesis, characterization and toxicological evaluation of Cr ^{VI} nanoparticles using <i>Daphnia magna</i> and <i>Aliivibrio fischeri</i> . <i>Ecotoxicology and Environmental Safety</i> , 2016 , 128, 36-43	7	22
18	Effects of exposure to soluble fraction of industrial solid waste on lipid peroxidation and DNA methylation in erythrocytes of <i>Oreochromis niloticus</i> , as assessed by quantification of MDA and β -C rates. <i>Ecotoxicology and Environmental Safety</i> , 2012 , 76, 63-70	7	21
17	Toxicological impact of morphology and surface functionalization of amorphous SiO ₂ nanomaterials. <i>NanoImpact</i> , 2017 , 5, 6-12	5.6	19
16	Synthesis, characterization and toxicological evaluation of a core-shell copper oxide/polyaniline nanocomposite. <i>Chemosphere</i> , 2014 , 108, 107-14	8.4	16
15	Toxicological Evaluation and Quantification of Ingested Metal-Core Nanoplastics by <i>Daphnia magna</i> Through Fluorescence and Inductively Coupled Plasma-Mass Spectrometric Methods. <i>Environmental Toxicology and Chemistry</i> , 2019 , 38, 2101-2110	3.8	15
14	Can the surface modification and/or morphology affect the ecotoxicity of zinc oxide nanomaterials?. <i>Chemosphere</i> , 2019 , 224, 237-246	8.4	14
13	Induction of micronucleus of <i>Oreochromis niloticus</i> exposed to waters from the Cubatão do Sul River, southern Brazil. <i>Ecotoxicology and Environmental Safety</i> , 2013 , 98, 103-9	7	14
12	Toxicity of PAMAM-coated gold nanoparticles in different unicellular models. <i>Environmental Toxicology</i> , 2014 , 29, 328-36	4.2	14
11	Synthetic wastewaters treatment by electrocoagulation to remove silver nanoparticles produced by different routes. <i>Journal of Environmental Management</i> , 2015 , 159, 147-157	7.9	12

10	Acute toxicity of copper and chromium oxide nanoparticles to <i>Daphnia similis</i> . <i>Ecotoxicology and Environmental Contamination</i> , 2014 , 9, 43-50	2	12
9	Comparative assessment of acute and chronic ecotoxicity of water soluble fractions of diesel and biodiesel on <i>Daphnia magna</i> and <i>Aliivibrio fischeri</i> . <i>Chemosphere</i> , 2019 , 221, 640-646	8.4	11
8	Preliminary assessment of the performance of oyster shells and chitin materials as adsorbents in the removal of saxitoxin in aqueous solutions. <i>Chemistry Central Journal</i> , 2012 , 6, 86		9
7	Evaluation of Cytotoxicity and Cell Death Induced In Vitro by Saxitoxin in Mammalian Cells. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2015 , 78, 1189-200	3.2	8
6	Electrochemical impedance biosensor for detection of saxitoxin in aqueous solution. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 6393-6399	4.4	7
5	Correlation between acute toxicity for <i>Daphnia magna</i> , <i>Aliivibrio fischeri</i> and physicochemical variables of the leachate produced in landfill simulator reactors. <i>Environmental Technology (United Kingdom)</i> , 2017 , 38, 2898-2906	2.6	6
4	Oxidative stress and hypermethylation induced by exposure of <i>Oreochromis niloticus</i> to complex environmental mixtures of river water from Cubatão do Sul, Brazil. <i>Ecotoxicology and Environmental Safety</i> , 2015 , 114, 190-7	7	5
3	Estudos de proteção da célula de <i>Saccharomyces cerevisiae</i> para utilização em reações de redução em meio orgânico. <i>Química Nova</i> , 2002 , 25, 567-571	1.6	3
2	Evaluation of toxicity of zinc oxide nanorods on green microalgae of freshwater and marine ecosystems. <i>Environmental Chemistry and Ecotoxicology</i> , 2021 , 3, 85-90	3.9	1
1	Emerging investigator series: a multispecies analysis of the relationship between oxygen content and toxicity in graphene oxide. <i>Environmental Science: Nano</i> , 2021 , 8, 1543-1559	7.1	