

Helena Oliveira

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.

102 papers	1,839 citations	25 h-index	37 g-index
125 ext. papers	2,273 ext. citations	4.8 avg, IF	5.26 L-index

#	Paper	IF	Citations
102	Chromium as an Environmental Pollutant: Insights on Induced Plant Toxicity. <i>Journal of Botany</i> , 2012 , 2012, 1-8	0	220
101	Adverse effects of cadmium exposure on mouse sperm. <i>Reproductive Toxicology</i> , 2009 , 28, 550-5	3.4	77
100	Cadmium-induced cyto- and genotoxicity are organ-dependent in lettuce. <i>Chemical Research in Toxicology</i> , 2012 , 25, 1423-34	4	59
99	The influence of Citrate or PEG coating on silver nanoparticle toxicity to a human keratinocyte cell line. <i>Toxicology Letters</i> , 2016 , 249, 29-41	4.4	50
98	Metabolomics of silver nanoparticles toxicity in HaCaT cells: structure-activity relationships and role of ionic silver and oxidative stress. <i>Nanotoxicology</i> , 2016 , 10, 1105-17	5.3	49
97	Cytotoxicity profiling of deep eutectic solvents to human skin cells. <i>Scientific Reports</i> , 2019 , 9, 3932	4.9	48
96	Poly(N-methacryloyl glycine)/nanocellulose composites as pH-sensitive systems for controlled release of diclofenac. <i>Carbohydrate Polymers</i> , 2017 , 169, 357-365	10.3	46
95	In vitro and in vivo topical delivery studies of tretinoin-loaded ultradeformable vesicles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014 , 88, 48-55	5.7	42
94	Lycopene from tomatoes: vesicular nanocarrier formulations for dermal delivery. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 7284-93	5.7	42
93	Insights into the impact of silver nanoparticles on human keratinocytes metabolism through NMR metabolomics. <i>Archives of Biochemistry and Biophysics</i> , 2016 , 589, 53-61	4.1	38
92	Fucoxanthin and Rosmarinic Acid Combination Has Anti-Inflammatory Effects through Regulation of NLRP3 Inflammasome in UVB-Exposed HaCaT Keratinocytes. <i>Marine Drugs</i> , 2019 , 17,	6	36
91	Sulforaphane induces DNA damage and mitotic abnormalities in human osteosarcoma MG-63 cells: correlation with cell cycle arrest and apoptosis. <i>Nutrition and Cancer</i> , 2014 , 66, 325-34	2.8	36
90	Lead chloride affects sperm motility and acrosome reaction in mice: lead affects mice sperm motility and acrosome reaction. <i>Cell Biology and Toxicology</i> , 2009 , 25, 341-53	7.4	36
89	Critical Considerations on the Clinical Translation of Upconversion Nanoparticles (UCNPs): Recommendations from the European Upconversion Network (COST Action CM1403). <i>Advanced Healthcare Materials</i> , 2019 , 8, e1801233	10.1	34
88	Impairment of mice spermatogenesis by sodium arsenite. <i>Human and Experimental Toxicology</i> , 2012 , 31, 290-302	3.4	33
87	Sulforaphane induces oxidative stress and death by p53-independent mechanism: implication of impaired glutathione recycling. <i>PLoS ONE</i> , 2014 , 9, e92980	3.7	32
86	The Effect of Lycopene Preexposure on UV-B-Irradiated Human Keratinocytes. <i>Oxidative Medicine and Cellular Longevity</i> , 2016 , 2016, 8214631	6.7	32

85	Nutrient responses and glutamate and proline metabolism in sunflower plants and calli under Na ₂ SO ₄ stress. <i>Journal of Plant Nutrition and Soil Science</i> , 2002 , 165, 366-372	2.3	30
84	UV-B radiation modulates physiology and lipophilic metabolite profile in <i>Olea europaea</i> . <i>Journal of Plant Physiology</i> , 2018 , 222, 39-50	3.6	27
83	Cadmium-induced genotoxicity in human osteoblast-like cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2014 , 775-776, 38-47	3	27
82	Effects of fungus inoculation and salt stress on physiology and biochemistry of in vitro grapevines: Emphasis on sugar composition changes by FT-IR analyses. <i>Environmental and Experimental Botany</i> , 2009 , 65, 1-10	5.9	27
81	Wheat chronic exposure to TiO ₂ -nanoparticles: Cyto- and genotoxic approach. <i>Plant Physiology and Biochemistry</i> , 2017 , 121, 89-98	5.4	26
80	Nanoplatforms for Plasmon-Induced Heating and Thermometry. <i>ChemNanoMat</i> , 2016 , 2, 520-527	3.5	26
79	Pb low doses induced genotoxicity in <i>Lactuca sativa</i> plants. <i>Plant Physiology and Biochemistry</i> , 2017 , 112, 109-116	5.4	25
78	Improving elms performance under drought stress: The pretreatment with abscisic acid. <i>Environmental and Experimental Botany</i> , 2014 , 100, 64-73	5.9	25
77	Bacterial nanocellulose-hyaluronic acid microneedle patches for skin applications: In vitro and in vivo evaluation. <i>Materials Science and Engineering C</i> , 2021 , 118, 111350	8.3	25
76	Pullulan microneedle patches for the efficient transdermal administration of insulin envisioning diabetes treatment. <i>Carbohydrate Polymers</i> , 2020 , 241, 116314	10.3	24
75	Antiproliferative Effects of <i>Cynara cardunculus</i> L. var. <i>altis</i> (DC) Lipophilic Extracts. <i>International Journal of Molecular Sciences</i> , 2016 , 18,	6.3	24
74	Cadmium-induced genetic instability in mice testis. <i>Human and Experimental Toxicology</i> , 2012 , 31, 1228-364	3.4	24
73	Death and cell cycle progression are differently conditioned by the AgNP size in osteoblast-like cells. <i>Toxicology</i> , 2016 , 368-369, 103-115	4.4	24
72	Nanocellulose-based antifungal nanocomposites against the polymorphic fungus <i>Candida albicans</i> . <i>Carbohydrate Polymers</i> , 2019 , 217, 207-216	10.3	23
71	Genotoxicity of citrate-coated silver nanoparticles to human keratinocytes assessed by the comet assay and cytokinesis blocked micronucleus assay. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 5039-5048	5.1	21
70	Pure anatase and rutile TiO ₂ nanoparticles differently affect wheat seedlings. <i>Chemosphere</i> , 2016 , 151, 68-75	8.4	21
69	Chemoprevention of photocarcinogenesis by lycopene. <i>Experimental Dermatology</i> , 2014 , 23, 874-8	4	20
68	Flow cytometry evaluation of lead and cadmium effects on mouse spermatogenesis. <i>Reproductive Toxicology</i> , 2006 , 22, 529-35	3.4	19

67	Study of the effects of foliar application of ABA during acclimatization. <i>Plant Cell, Tissue and Organ Culture</i> , 2014 , 117, 213-224	2.7	18
66	Biocompatible chitosan-based composites with properties suitable for hyperthermia therapy. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 1256-1265	7.3	18
65	Flow cytometry analysis of low/high DNA content (LNA/HNA) bacteria as bioindicator of water quality evaluation. <i>Ecological Indicators</i> , 2019 , 103, 774-781	5.8	17
64	Evaluation of in vivo reproductive toxicity of potassium chromate in male mice. <i>Experimental and Toxicologic Pathology</i> , 2010 , 62, 391-404		17
63	The cytotoxic targets of anatase or rutile + anatase nanoparticles depend on the plant species. <i>Biologia Plantarum</i> , 2017 , 61, 717-725	2.1	16
62	Biochemical and transcriptional analyses of cadmium-induced mitochondrial dysfunction and oxidative stress in human osteoblasts. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2018 , 81, 705-717	3.2	16
61	Response of <i>Vitis vinifera</i> L. plants inoculated with <i>Phaeoacremonium angustius</i> and <i>Phaeomoniella chlamydospora</i> to thiabendazole, resveratrol and sodium arsenite. <i>Scientia Horticulturae</i> , 2006 , 107, 131-136	4.1	16
60	Histopathological effects of hexavalent chromium in mouse kidney. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2006 , 76, 977-83	2.7	16
59	Impact of the PdSpermine Chelate on Osteosarcoma Metabolism: An NMR Metabolomics Study. <i>Journal of Proteome Research</i> , 2017 , 16, 1773-1783	5.6	15
58	Hesperetin-etoposide combinations induce cytotoxicity in U2OS cells: Implications on therapeutic developments for osteosarcoma. <i>DNA Repair</i> , 2017 , 50, 36-42	4.3	15
57	Combination of etoposide and fisetin results in anti-cancer efficiency against osteosarcoma cell models. <i>Archives of Toxicology</i> , 2018 , 92, 1205-1214	5.8	15
56	Biocompatible hybrids based on nanographene oxide covalently linked to glycolporphyrins: Synthesis, characterization and biological evaluation. <i>Carbon</i> , 2018 , 135, 202-214	10.4	15
55	Macrophage inflammatory and metabolic responses to graphene-based nanomaterials differing in size and functionalization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 186, 110709	6	15
54	Cytogenetic characterization and genome size of the medicinal plant <i>Catharanthus roseus</i> (L.) G. Don. <i>AoB PLANTS</i> , 2012 , 2012, pls002	2.9	14
53	NMR Metabolomics Reveals Metabolism-Mediated Protective Effects in Liver (HepG2) Cells Exposed to Subtoxic Levels of Silver Nanoparticles. <i>Journal of Proteome Research</i> , 2018 , 17, 1636-1646	5.6	13
52	Inoculation with <i>Ophiostoma novo-ulmi</i> subsp. <i>americana</i> affects photosynthesis, nutrition and oxidative stress in in vitro <i>Ulmus minor</i> plants. <i>Environmental and Experimental Botany</i> , 2012 , 77, 146-155	5.9	13
51	Flow cytometric and karyological analyses of <i>Calendula</i> species from Iberian Peninsula. <i>Plant Systematics and Evolution</i> , 2013 , 299, 853-864	1.3	13
50	Coating independent cytotoxicity of citrate- and PEG-coated silver nanoparticles on a human hepatoma cell line. <i>Journal of Environmental Sciences</i> , 2017 , 51, 191-201	6.4	13

49	Is tretinoin still a key agent for photoaging management?. <i>Mini-Reviews in Medicinal Chemistry</i> , 2014 , 14, 629-41	3.2	13
48	Swellable Gelatin Methacryloyl Microneedles for Extraction of Interstitial Skin Fluid toward Minimally Invasive Monitoring of Urea. <i>Macromolecular Bioscience</i> , 2020 , 20, e2000195	5.5	12
47	Cryopreservation of somatic embryos of <i>Alnus glutinosa</i> (L.) Gaertn. and confirmation of ploidy stability by flow cytometry. <i>Plant Cell, Tissue and Organ Culture</i> , 2015 , 123, 489-499	2.7	11
46	Prevention of Photocarcinogenesis by Agonists of 5-HT1A and Antagonists of 5-HT2A Receptors. <i>Molecular Neurobiology</i> , 2016 , 53, 1145-1164	6.2	9
45	Mechanisms of kidney toxicity for chromium- and arsenic-based preservatives: potential involvement of a pro-oxidative pathway. <i>Environmental Toxicology and Pharmacology</i> , 2013 , 36, 929-36	5.8	9
44	Encapsulation and Enhanced Release of Resveratrol from Mesoporous Silica Nanoparticles for Melanoma Therapy. <i>Materials</i> , 2021 , 14,	3.5	9
43	Nanocellulose-Based Patches Loaded with Hyaluronic Acid and Diclofenac towards Aphthous Stomatitis Treatment. <i>Nanomaterials</i> , 2020 , 10,	5.4	9
42	Differential pulmonary in vitro toxicity of two small-sized polyvinylpyrrolidone-coated silver nanoparticles. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2018 , 81, 675-690	3.2	9
41	A study of the effects of citrate-coated silver nanoparticles on RAW 264.7 cells using a toolbox of cytotoxic endpoints. <i>Journal of Nanoparticle Research</i> , 2017 , 19, 1	2.3	7
40	Antibacterial Multi-Layered Nanocellulose-Based Patches Loaded with Dexpanthenol for Wound Healing Applications. <i>Nanomaterials</i> , 2020 , 10,	5.4	7
39	Environmental and Health Hazards of Chromated Copper Arsenate-Treated Wood: A Review. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	7
38	Cytotoxic effect of the serotonergic drug 1-(1-Naphthyl)piperazine against melanoma cells. <i>Toxicology in Vitro</i> , 2018 , 47, 72-78	3.6	7
37	Metabolomic response of osteosarcoma cells to nanographene oxide-mediated hyperthermia. <i>Materials Science and Engineering C</i> , 2018 , 91, 340-348	8.3	7
36	Cr(VI)-induced genotoxicity and cell cycle arrest in human osteoblast cell line MG-63. <i>Journal of Applied Toxicology</i> , 2019 , 39, 1057-1065	4.1	6
35	Colloidal (Gd _{0.98} Nd _{0.02}) ₂ O ₃ nanothermometers operating in a cell culture medium within the first and second biological windows. <i>Journal of Rare Earths</i> , 2020 , 38, 483-491	3.7	6
34	Comparative Cr, As and CCA induced Cytostaticity in mice kidney: A contribution to assess CCA toxicity. <i>Environmental Toxicology and Pharmacology</i> , 2020 , 73, 103297	5.8	6
33	Inflammatory responses of a human keratinocyte cell line to 10 nm citrate- and PEG-coated silver nanoparticles. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	6
32	Effect of different silica coatings on the toxicity of upconversion nanoparticles on RAW 264.7 macrophage cells. <i>Beilstein Journal of Nanotechnology</i> , 2021 , 12, 35-48	3	6

31	Cellulose Nanocrystals/Chitosan-Based Nanosystems: Synthesis, Characterization, and Cellular Uptake on Breast Cancer Cells. <i>Nanomaterials</i> , 2021 , 11,	5.4	6
30	Physiological characterization and true-to-typeness evaluation of in vitro and ex vitro seedlings of <i>Pinus elliottii</i> : A contribution to breeding programs. <i>Plant Physiology and Biochemistry</i> , 2016 , 107, 222-227	5.4	5
29	Antimicrobial Properties and Therapeutic Applications of Silver Nanoparticles and Nanocomposites 2017 , 223-259		5
28	In vitro toxicity of indoor and outdoor PM from residential wood combustion. <i>Science of the Total Environment</i> , 2021 , 782, 146820	10.2	5
27	One-Minute Synthesis of Size-Controlled Fucoidan-Gold Nanosystems: Antitumoral Activity and Dark Field Imaging. <i>Materials</i> , 2020 , 13,	3.5	4
26	Effect of Cr(V) on reproductive organ morphology and sperm parameters: an experimental study in mice. <i>Environmental Health</i> , 2005 , 4, 9	6	4
25	Biodistribution and pulmonary metabolic effects of silver nanoparticles in mice following acute intratracheal instillations. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 2301-2314	5.1	4
24	Stability, dissolution, and cytotoxicity of NaYF-upconversion nanoparticles with different coatings.. <i>Scientific Reports</i> , 2022 , 12, 3770	4.9	4
23	Segmentation and Morphometry of Histological Sections Using Deformable Models: A New Tool for Evaluating Testicular Histopathology. <i>Lecture Notes in Computer Science</i> , 2003 , 282-290	0.9	3
22	Antitumoral and antioxidant activities of lipophilic and phenolic extracts from <i>Cynara cardunculus</i> L. var. <i>altis</i> (DC). <i>Planta Medica</i> , 2014 , 80,	3.1	3
21	Using flow cytometry for bacterioplankton community analysis as a complementary tool to Water Framework Directive to signal putatively impacted sites. <i>Science of the Total Environment</i> , 2019 , 695, 133754	10.2	2
20	Legacy and Emerging Contaminants in Plants: From the Gene to the Field. <i>Journal of Botany</i> , 2012 , 2012, 1-2	0	2
19	Boosting Antibiotics Performance by New Formulations with Deep Eutectic Solvents.. <i>International Journal of Pharmaceutics</i> , 2022 , 616, 121566	6.5	2
18	Triple Negative Breast Cancer and Breast Epithelial Cells Differentially Reprogram Glucose and Lipid Metabolism upon Treatment with Triterpenic Acids. <i>Biomolecules</i> , 2020 , 10,	5.9	2
17	MoS flakes stabilized with DNA/RNA nucleotides: In vitro cell response. <i>Materials Science and Engineering C</i> , 2019 , 100, 11-22	8.3	2
16	Errors in protein synthesis increase the level of saturated fatty acids and affect the overall lipid profiles of yeast. <i>PLoS ONE</i> , 2018 , 13, e0202402	3.7	2
15	Cytotoxic effects of wildfire ashes: In-vitro responses of skin cells. <i>Environmental Pollution</i> , 2021 , 285, 117279	9.3	2
14	Macrophage Metabolomics Reveals Differential Metabolic Responses to Subtoxic Levels of Silver Nanoparticles and Ionic Silver. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 1867-1876	2.3	1

13	3D sub-cellular localization of upconverting nanoparticles through hyperspectral microscopy. <i>Physica B: Condensed Matter</i> , 2022 , 626, 413470	2.8	1
12	3',4'-Dihydroxyflavonol Modulates the Cell Cycle in Cancer Cells: Implication as a Potential Combination Drug in Osteosarcoma. <i>Pharmaceuticals</i> , 2021 , 14,	5.2	1
11	The Role of Cytometry for Male Fertility Assessment in Toxicology 2016 ,		1
10	Bridging a Gap between Cr(VI)-Induced Oxidative Stress and Genotoxicity in Lettuce Organs after a Long-Term Exposure. <i>International Journal of Agronomy</i> , 2018 , 2018, 1-8	1.9	1
9	Venom of Viperidae: A Perspective of its Antibacterial and Antitumor Potential.. <i>Current Drug Targets</i> , 2022 , 23, 126-144	3	1
8	Hyperthermia Enhances Doxorubicin Therapeutic Efficacy against A375 and MNT-1 Melanoma Cells.. <i>International Journal of Molecular Sciences</i> , 2021 , 23,	6.3	1
7	Genotoxicity and Cytotoxicity Induced in <i>Zygophyllum fabago</i> by Low Pb Doses Depends on the Population's Redox Plasticity. <i>Horticulturae</i> , 2021 , 7, 455	2.5	0
6	In vitro toxicity of particulate matter emissions from residential pellet combustion.. <i>Journal of Environmental Sciences</i> , 2022 , 115, 215-226	6.4	0
5	Ex vivo exposure to titanium dioxide and silver nanoparticles mildly affect sperm of gilthead seabream (<i>Sparus aurata</i>) - A multiparameter spermotoxicity approach.. <i>Marine Pollution Bulletin</i> , 2022 , 177, 113487	6.7	0
4	Impact of Particle Size on Toxicity, Tissue Distribution and Excretion Kinetics of Subchronic Intratracheal Instilled Silver Nanoparticles in Mice. <i>Toxics</i> , 2022 , 10, 260	4.7	0
3	AN INTEGRATIVE VIEW OF SODIUM CHLORIDE STRESS AND PHAEOMONIELLA SP. INOCULATION ON GROWTH AND NUTRIENT ACCUMULATION AND PATTERNING IN IN VITRO GRAPEVINE PLANTS. <i>Journal of Plant Nutrition</i> , 2011 , 34, 557-572	2.3	
2	Cytotoxicity and mutagenicity of particulate matter from the open burning of pruning wastes. <i>Air Quality, Atmosphere and Health</i> , 2022 , 15, 299	5.6	
1	Cytotoxicity of Nucleotide-Stabilized Graphene Dispersions on Osteosarcoma and Healthy Cells: On the Way to Safe Theranostics Agents.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 4384-4393	4.1	