

Helena Oliveira

List of Publications by Year in descending order

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117
papers

2,795
citations

159525

30
h-index

223716

46
g-index

125
all docs

125
docs citations

125
times ranked

4358
citing authors

#	ARTICLE	IF	CITATIONS
1	Chromium as an Environmental Pollutant: Insights on Induced Plant Toxicity. <i>Journal of Botany</i> , 2012, 2012, 1-8.	1.2	315
2	Cytotoxicity profiling of deep eutectic solvents to human skin cells. <i>Scientific Reports</i> , 2019, 9, 3932.	1.6	93
3	Adverse effects of cadmium exposure on mouse sperm. <i>Reproductive Toxicology</i> , 2009, 28, 550-555.	1.3	91
4	Metabolomics of silver nanoparticles toxicity in HaCaT cells: structure-activity relationships and role of ionic silver and oxidative stress. <i>Nanotoxicology</i> , 2016, 10, 1105-1117.	1.6	83
5	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.	0.4	68
6	Cadmium-Induced Cyto- and Genotoxicity are Organ-Dependent in Lettuce. <i>Chemical Research in Toxicology</i> , 2012, 25, 1423-1434.	1.7	66
7	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.	3.9	63
8	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, 451.	2.2	62
9	Poly(N-methacryloyl glycine)/nanocellulose composites as pH-sensitive systems for controlled release of diclofenac. <i>Carbohydrate Polymers</i> , 2017, 169, 357-365.	5.1	58
10	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.	3.8	52
11	Lycopene from Tomatoes: Vesicular Nanocarrier Formulations for Dermal Delivery. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 7284-7293.	2.4	50
12	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.	1.4	49
13	Swellable Gelatin Methacryloyl Microneedles for Extraction of Interstitial Skin Fluid toward Minimally Invasive Monitoring of Urea. <i>Macromolecular Bioscience</i> , 2020, 20, e2000195.	2.1	48
14	Pullulan microneedle patches for the efficient transdermal administration of insulin envisioning diabetes treatment. <i>Carbohydrate Polymers</i> , 2020, 241, 116314.	5.1	48
15	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.	2.0	47
16	Impairment of mice spermatogenesis by sodium arsenite. <i>Human and Experimental Toxicology</i> , 2012, 31, 290-302.	1.1	44
17	UV-B radiation modulates physiology and lipophilic metabolite profile in <i>Olea europaea</i> . <i>Journal of Plant Physiology</i> , 2018, 222, 39-50.	1.6	44
18	The Effect of Lycopene Preexposure on UV-B-Irradiated Human Keratinocytes. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-15.	1.9	42

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19	Lead chloride affects sperm motility and acrosome reaction in mice. <i>Cell Biology and Toxicology</i> , 2009, 25, 341-353.	2.4	41
20	Sulforaphane Induces Oxidative Stress and Death by p53-Independent Mechanism: Implication of Impaired Glutathione Recycling. <i>PLoS ONE</i> , 2014, 9, e92980.	1.1	40
21	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, 325-334.	0.9	39
22	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.	1.1	36
23	Environmental and Health Hazards of Chromated Copper Arsenate-Treated Wood: A Review. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 5518.	1.2	36
24	Cadmium-induced genotoxicity in human osteoblast-like cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2014, 775-776, 38-47.	0.9	35
25	Biocompatible chitosan-based composites with properties suitable for hyperthermia therapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 1256-1265.	2.9	35
26	Nanoplatfoms for Plasmon-Induced Heating and Thermometry. <i>ChemNanoMat</i> , 2016, 2, 520-527.	1.5	33
27	Pb low doses induced genotoxicity in <i>Lactuca sativa</i> plants. <i>Plant Physiology and Biochemistry</i> , 2017, 112, 109-116.	2.8	33
28	Wheat chronic exposure to TiO ₂ -nanoparticles: Cyto- and genotoxic approach. <i>Plant Physiology and Biochemistry</i> , 2017, 121, 89-98.	2.8	33
29	Encapsulation and Enhanced Release of Resveratrol from Mesoporous Silica Nanoparticles for Melanoma Therapy. <i>Materials</i> , 2021, 14, 1382.	1.3	33
30	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.	2.0	32
31	Nanocellulose-based antifungal nanocomposites against the polymorphic fungus <i>Candida albicans</i> . <i>Carbohydrate Polymers</i> , 2019, 217, 207-216.	5.1	31
32	Cadmium-induced genetic instability in mice testis. <i>Human and Experimental Toxicology</i> , 2012, 31, 1228-1236.	1.1	30
33	Improving elms performance under drought stress: The pretreatment with abscisic acid. <i>Environmental and Experimental Botany</i> , 2014, 100, 64-73.	2.0	30
34	Pure anatase and rutil-Âanatase nanoparticles differently affect wheat seedlings. <i>Chemosphere</i> , 2016, 151, 68-75.	4.2	30
35	Macrophage inflammatory and metabolic responses to graphene-based nanomaterials differing in size and functionalization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 186, 110709.	2.5	30
36	Antiproliferative Effects of <i>Cynara cardunculus</i> L. var. <i>altilis</i> (DC) Lipophilic Extracts. <i>International Journal of Molecular Sciences</i> , 2017, 18, 63.	1.8	28

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37	Death and cell cycle progression are differently conditioned by the AgNP size in osteoblast-like cells. <i>Toxicology</i> , 2016, 368-369, 103-115.	2.0	27
38	The cytotoxic targets of anatase or rutile + anatase nanoparticles depend on the plant species. <i>Biologia Plantarum</i> , 2017, 61, 717-725.	1.9	25
39	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.	2.7	25
40	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.	2.6	25
41	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.	1.1	24
42	Nanocellulose-Based Patches Loaded with Hyaluronic Acid and Diclofenac towards Aphthous Stomatitis Treatment. <i>Nanomaterials</i> , 2020, 10, 628.	1.9	24
43	Flow cytometry evaluation of lead and cadmium effects on mouse spermatogenesis. <i>Reproductive Toxicology</i> , 2006, 22, 529-535.	1.3	23
44	Chemoprevention of photocarcinogenesis by lycopene. <i>Experimental Dermatology</i> , 2014, 23, 874-878.	1.4	23
45	Study of the effects of foliar application of ABA during acclimatization. <i>Plant Cell, Tissue and Organ Culture</i> , 2014, 117, 213-224.	1.2	23
46	Impact of the Pd ²⁺ Spermine Chelate on Osteosarcoma Metabolism: An NMR Metabolomics Study. <i>Journal of Proteome Research</i> , 2017, 16, 1773-1783.	1.8	23
47	Combination of etoposide and fisetin results in anti-cancer efficiency against osteosarcoma cell models. <i>Archives of Toxicology</i> , 2018, 92, 1205-1214.	1.9	23
48	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.	1.7	22
49	Histopathological Effects of Hexavalent Chromium in Mouse Kidney. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2006, 76, 977-983.	1.3	21
50	Evaluation of in vivo reproductive toxicity of potassium chromate in male mice. <i>Experimental and Toxicologic Pathology</i> , 2010, 62, 391-404.	2.1	21
51	Biocompatible hybrids based on nanographene oxide covalently linked to glycolporphyrins: Synthesis, characterization and biological evaluation. <i>Carbon</i> , 2018, 135, 202-214.	5.4	21
52	Cytogenetic characterization and genome size of the medicinal plant <i>Catharanthus roseus</i> (L.) G. Don. <i>AoB PLANTS</i> , 2012, 2012, pls002.	1.2	20
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.	1.8	20
54	Is Tretinoin Still a Key Agent for Photoaging Management?. <i>Mini-Reviews in Medicinal Chemistry</i> , 2014, 14, 629-641.	1.1	20

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55	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.	1.2	19
56	Hesperetin-etoposide combinations induce cytotoxicity in U2OS cells: Implications on therapeutic developments for osteosarcoma. <i>DNA Repair</i> , 2017, 50, 36-42.	1.3	18
57	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.	3.2	18
58	Cellulose Nanocrystals/Chitosan-Based Nanosystems: Synthesis, Characterization, and Cellular Uptake on Breast Cancer Cells. <i>Nanomaterials</i> , 2021, 11, 2057.	1.9	18
59	Stability, dissolution, and cytotoxicity of NaYF ₄ -upconversion nanoparticles with different coatings. <i>Scientific Reports</i> , 2022, 12, 3770.	1.6	18
60	Antibacterial Multi-Layered Nanocellulose-Based Patches Loaded with Dexpanthenol for Wound Healing Applications. <i>Nanomaterials</i> , 2020, 10, 2469.	1.9	17
61	In vitro toxicity of indoor and outdoor PM10 from residential wood combustion. <i>Science of the Total Environment</i> , 2021, 782, 146820.	3.9	17
62	Flow cytometric and karyological analyses of <i>Calendula</i> species from Iberian Peninsula. <i>Plant Systematics and Evolution</i> , 2013, 299, 853-864.	0.3	15
63	Differential pulmonary <i>in vitro</i> 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.	1.1	14
64	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.	2.5	14
65	Inoculation with <i>Ophiostoma novo-ulmi</i> subsp. <i>americana</i> affects photosynthesis, nutrition and oxidative stress in <i>in vitro</i> <i>Ulmus minor</i> plants. <i>Environmental and Experimental Botany</i> , 2012, 77, 146-155.	2.0	13
66	Prevention of Photocarcinogenesis by Agonists of 5-HT _{1A} and Antagonists of 5-HT _{2A} Receptors. <i>Molecular Neurobiology</i> , 2016, 53, 1145-1164.	1.9	12
67	One-Minute Synthesis of Size-Controlled Fucoidan-Gold Nanosystems: Antitumoral Activity and Dark Field Imaging. <i>Materials</i> , 2020, 13, 1076.	1.3	12
68	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.	2.7	12
69	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.	1.5	12
70	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.	1.4	11
71	Coating of Magnetite Nanoparticles with Fucoidan to Enhance Magnetic Hyperthermia Efficiency. <i>Nanomaterials</i> , 2021, 11, 2939.	1.9	11
72	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.	0.8	10

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73	Metabolomic response of osteosarcoma cells to nanographene oxide-mediated hyperthermia. <i>Materials Science and Engineering C</i> , 2018, 91, 340-348.	3.8	10
74	Cytotoxic effects of wildfire ashes: In-vitro responses of skin cells. <i>Environmental Pollution</i> , 2021, 285, 117279.	3.7	10
75	Boosting antibiotics performance by new formulations with deep eutectic solvents. <i>International Journal of Pharmaceutics</i> , 2022, 616, 121566.	2.6	10
76	Hyperthermia Enhances Doxorubicin Therapeutic Efficacy against A375 and MNT-1 Melanoma Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 35.	1.8	10
77	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, 929-936.	2.0	9
78	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.	2.0	9
79	Triple Negative Breast Cancer and Breast Epithelial Cells Differentially Reprogram Glucose and Lipid Metabolism upon Treatment with Triterpenic Acids. <i>Biomolecules</i> , 2020, 10, 1163.	1.8	9
80	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.	1.6	9
81	Effect of Cr(V) on reproductive organ morphology and sperm parameters: An experimental study in mice. <i>Environmental Health</i> , 2005, 4, 9.	1.7	8
82	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.	0.8	8
83	Cytotoxic effect of the serotonergic drug 1-(1-Naphthyl)piperazine against melanoma cells. <i>Toxicology in Vitro</i> , 2018, 47, 72-78.	1.1	8
84	3D Printing of Macro Porous Sol-Gel Derived Bioactive Glass Scaffolds and Assessment of Biological Response. <i>Materials</i> , 2021, 14, 5946.	1.3	8
85	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.	2.8	7
86	Antimicrobial Properties and Therapeutic Applications of Silver Nanoparticles and Nanocomposites. , 2017, , 223-259.		6
87	Venom of Viperidae: A Perspective of its Antibacterial and Antitumor Potential. <i>Current Drug Targets</i> , 2022, 23, 126-144.	1.0	6
88	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.	1.1	5
89	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.	1.0	5
90	In vitro toxicity of particulate matter emissions from residential pellet combustion. <i>Journal of Environmental Sciences</i> , 2022, 115, 215-226.	3.2	5

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91	3D sub-cellular localization of upconverting nanoparticles through hyperspectral microscopy. <i>Physica B: Condensed Matter</i> , 2022, 626, 413470.	1.3	5
92	MoS ₂ flakes stabilized with DNA/RNA nucleotides: In vitro cell response. <i>Materials Science and Engineering C</i> , 2019, 100, 11-22.	3.8	4
93	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.	1.0	4
94	Antitumoral and antioxidant activities of lipophilic and phenolic extracts from <i>Cynara cardunculus</i> L. var. <i>altilis</i> (DC). <i>Planta Medica</i> , 2014, 80, .	0.7	4
95	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.	3.9	3
96	3,4-Dihydroxyflavonol Modulates the Cell Cycle in Cancer Cells: Implication as a Potential Combination Drug in Osteosarcoma. <i>Pharmaceuticals</i> , 2021, 14, 640.	1.7	3
97	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.	1.2	3
98	Blue is not enough: biological activities of C-phycocyanin extracts from <i>Anabaena cylindrica</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 0, , .	1.6	3
99	PLATOX: Integrated In Vitro/In Vivo Approach for Screening of Adverse Lung Effects of Graphene-Related 2D Nanomaterials. <i>Nanomaterials</i> , 2022, 12, 1254.	1.9	3
100	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.	0.9	2
101	Legacy and Emerging Contaminants in Plants: From the Gene to the Field. <i>Journal of Botany</i> , 2012, 2012, 1-2.	1.2	2
102	The Role of Cytometry for Male Fertility Assessment in Toxicology. , 0, , .		2
103	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.	0.5	2
104	Anti-tumoral activity of lipophilic Eucalyptus bark extracts, enriched on triterpenic acids, against breast cancer cells. <i>Planta Medica</i> , 2014, 80, .	0.7	2
105	Combined Therapy with Dacarbazine and Hyperthermia Induces Cytotoxicity in A375 and MNT-1 Melanoma Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3586.	1.8	2
106	Ex vivo exposure to titanium dioxide and silver nanoparticles mildly affect sperm of gilthead seabream (<i>Sparus aurata</i>) - A multiparameter spermiotoxicity approach. <i>Marine Pollution Bulletin</i> , 2022, 177, 113487.	2.3	2
107	Antitumoral potential of Chartergellus-CP1 peptide from <i>Chartergellus communis</i> wasp venom in two different breast cancer cell lines (HR+ and triple-negative). <i>Toxicon</i> , 2022, 216, 148-156.	0.8	2
108	NaCl and <i>Phaeomoniella chlamydospora</i> affect differently starch and sucrose metabolism in grapevines. <i>Acta Scientiarum - Agronomy</i> , 2013, 35, .	0.6	1

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109	Comparative in vitro cytotoxicity of citrate-coated silver nanoparticles on skin, liver and blood cell lines. <i>Toxicology Letters</i> , 2016, 258, S262.	0.4	1
110	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.	2.3	1
111	Cytotoxicity and mutagenicity of particulate matter from the open burning of pruning wastes. <i>Air Quality, Atmosphere and Health</i> , 2022, 15, 299.	1.5	1
112	Metabolic response of human keratinocytes to silver nanoparticles: A metabolomics study. <i>Toxicology Letters</i> , 2013, 221, S242-S243.	0.4	0
113	Cytotoxic and genotoxic activity of hesperetin in an osteosarcoma in vitro model. <i>Toxicology Letters</i> , 2014, 229, S157.	0.4	0
114	Cyto and genotoxic effects of silver nanoparticles on A549 cell line. <i>Toxicology Letters</i> , 2014, 229, S133.	0.4	0
115	Cytotoxicity of citrate and PEG coated AgNPs in human liver cells. <i>Toxicology Letters</i> , 2015, 238, S216-S217.	0.4	0
116	Cytotoxic activity of the synthetic flavonoid 3,4-dihydroxyflavonol in an osteosarcoma in vitro model. <i>Toxicology Letters</i> , 2016, 258, S125-S126.	0.4	0
117	In vitro and in vivo investigations to obtain validated toxicity data of graphene nanoplatelets. <i>Toxicology Letters</i> , 2016, 258, S261.	0.4	0