

Jos Mara Navas

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95
papers

3,016
citations

30
h-index

51
g-index

104
ext. papers

3,356
ext. citations

5.4
avg, IF

5.06
L-index

#	Paper	IF	Citations
95	Internalization and cytotoxicity of graphene oxide and carboxyl graphene nanoplatelets in the human hepatocellular carcinoma cell line Hep G2. <i>Particle and Fibre Toxicology</i> , 2013 , 10, 27	8.4	272
94	Effects of broodstock dietary lipid on fatty acid compositions of eggs from sea bass (<i>Dicentrarchus labrax</i>). <i>Aquaculture</i> , 1997 , 149, 107-119	4.4	146
93	Antiestrogenicity of beta-naphthoflavone and PAHs in cultured rainbow trout hepatocytes: evidence for a role of the arylhydrocarbon receptor. <i>Aquatic Toxicology</i> , 2000 , 51, 79-92	5.1	127
92	A European perspective on alternatives to animal testing for environmental hazard identification and risk assessment. <i>Regulatory Toxicology and Pharmacology</i> , 2013 , 67, 506-30	3.4	121
91	Estrogen-mediated suppression of cytochrome P4501A (CYP1A) expression in rainbow trout hepatocytes: role of estrogen receptor. <i>Chemico-Biological Interactions</i> , 2001 , 138, 285-98	5	107
90	Potencies of estrogenic compounds in in vitro screening assays and in life cycle tests with zebrafish in vivo. <i>Ecotoxicology and Environmental Safety</i> , 2003 , 54, 315-22	7	106
89	The impact of seasonal alteration in the lipid composition of broodstock diets on egg quality in the European sea bass. <i>Journal of Fish Biology</i> , 1997 , 51, 760-773	1.9	105
88	Regulatory ecotoxicity testing of nanomaterials - proposed modifications of OECD test guidelines based on laboratory experience with silver and titanium dioxide nanoparticles. <i>Nanotoxicology</i> , 2016 , 10, 1442-1447	5.3	80
87	Estrogen receptors are expressed in a subset of tyrosine hydroxylase-positive neurons of the anterior preoptic region in the rainbow trout. <i>Neuroendocrinology</i> , 1996 , 63, 156-65	5.6	79
86	Vitellogenin synthesis in primary cultures of fish liver cells as endpoint for in vitro screening of the (anti)estrogenic activity of chemical substances. <i>Aquatic Toxicology</i> , 2006 , 80, 1-22	5.1	75
85	Species-specific toxicity of copper nanoparticles among mammalian and piscine cell lines. <i>Nanotoxicology</i> , 2014 , 8, 383-93	5.3	73
84	Do gonadotrophin-releasing hormone neurons express estrogen receptors in the rainbow trout? A double immunohistochemical study. <i>Journal of Comparative Neurology</i> , 1995 , 363, 461-74	3.4	70
83	Tissue distribution of zinc and subtle oxidative stress effects after dietary administration of ZnO nanoparticles to rainbow trout. <i>Science of the Total Environment</i> , 2016 , 551-552, 334-43	10.2	66
82	Toxic effects of an oil spill on fish early life stages may not be exclusively associated to PAHs: studies with Prestige oil and medaka (<i>Oryzias latipes</i>). <i>Aquatic Toxicology</i> , 2008 , 87, 280-8	5.1	62
81	Oxidative stress effects of titanium dioxide nanoparticle aggregates in zebrafish embryos. <i>Science of the Total Environment</i> , 2014 , 470-471, 379-89	10.2	59
80	Toward sustainable environmental quality: Identifying priority research questions for Latin America. <i>Integrated Environmental Assessment and Management</i> , 2018 , 14, 344-357	2.5	52
79	Effect of dietary lipid composition on vitellogenin, 17 β -estradiol and gonadotropin plasma levels and spawning performance in captive sea bass (<i>Dicentrarchus labrax</i> L.). <i>Aquaculture</i> , 1998 , 165, 65-79	4.4	52

78	Effects of nanoparticles of TiO ₂ on food depletion and life-history responses of <i>Daphnia magna</i> . <i>Aquatic Toxicology</i> , 2013 , 130-131, 174-83	5.1	50
77	Comparative Cytotoxicity Study of Silver Nanoparticles (AgNPs) in a Variety of Rainbow Trout Cell Lines (RTL-W1, RTH-149, RTG-2) and Primary Hepatocytes. <i>International Journal of Environmental Research and Public Health</i> , 2015 , 12, 5386-405	4.6	48
76	Antiestrogenic activity of anthropogenic and natural chemicals. <i>Environmental Science and Pollution Research</i> , 1998 , 5, 75-82	5.1	47
75	Identification of water soluble and particle bound compounds causing sublethal toxic effects. A field study on sediments affected by a chlor-alkali industry. <i>Aquatic Toxicology</i> , 2009 , 94, 16-27	5.1	46
74	Comparative cytotoxicity induced by bulk and nanoparticulated ZnO in the fish and human hepatoma cell lines PLHC-1 and Hep G2. <i>Nanotoxicology</i> , 2013 , 7, 935-52	5.3	44
73	Analysis of synthetic endocrine-disrupting chemicals in food: a review. <i>Talanta</i> , 2012 , 100, 90-106	6.2	43
72	Modulation of trout 7-ethoxyresorufin-O-deethylase (EROD) activity by estradiol and octylphenol. <i>Marine Environmental Research</i> , 2000 , 50, 157-62	3.3	43
71	The potentiation effect makes the difference: non-toxic concentrations of ZnO nanoparticles enhance Cu nanoparticle toxicity in vitro. <i>Science of the Total Environment</i> , 2015 , 505, 253-60	10.2	42
70	Beta-naphthoflavone alters normal plasma levels of vitellogenin, 17 beta-estradiol and luteinizing hormone in sea bass broodstock. <i>Aquatic Toxicology</i> , 2004 , 67, 337-45	5.1	39
69	Graphene nanoplatelets spontaneously translocate into the cytosol and physically interact with cellular organelles in the fish cell line PLHC-1. <i>Aquatic Toxicology</i> , 2014 , 150, 55-65	5.1	37
68	Cytochrome P4501A induction caused by the imidazole derivative Prochloraz in a rainbow trout cell line. <i>Toxicology in Vitro</i> , 2005 , 19, 899-902	3.6	34
67	Effects of aflatoxin B ₁ and fumonisin B ₁ and their mixture on the aryl hydrocarbon receptor and cytochrome P450 1A induction. <i>Food and Chemical Toxicology</i> , 2015 , 75, 104-11	4.7	33
66	Nanomaterial grouping: Existing approaches and future recommendations. <i>NanoImpact</i> , 2019 , 16, 1001826	3.6	32
65	Environmental Impacts by Fragments Released from Nanoenabled Products: A Multiassay, Multimaterial Exploration by the SUN Approach. <i>Environmental Science & Technology</i> , 2018 , 52, 1514-1524	19.3	30
64	Effects of cerium oxide nanoparticles to fish and mammalian cell lines: An assessment of cytotoxicity and methodology. <i>Toxicology in Vitro</i> , 2012 , 26, 888-96	3.6	30
63	Induction of cytochrome P4501A (CYP1A) by clotrimazole, a non-planar aromatic compound. Computational studies on structural features of clotrimazole and related imidazole derivatives. <i>Life Sciences</i> , 2004 , 76, 699-714	6.8	30
62	Determining the presence of chemicals with suspected endocrine activity in drinking water from the Madrid region (Spain) and assessment of their estrogenic, androgenic and thyroidal activities. <i>Chemosphere</i> , 2018 , 201, 388-398	8.4	29
61	Quality evaluation of human and environmental toxicity studies performed with nanomaterials using the GUIDEnano approach. <i>Environmental Science: Nano</i> , 2018 , 5, 381-397	7.1	29

60	Thyroid signaling in immune organs and cells of the teleost fish rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Fish and Shellfish Immunology</i> , 2014 , 38, 166-74	4.3	25
59	Endocrine disruption caused by oral administration of atrazine in European quail (<i>Coturnix coturnix</i>). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2012 , 156, 159-65	3.2	25
58	Usefulness of fish cell lines for the initial characterization of toxicity and cellular fate of graphene-related materials (carbon nanofibers and graphene oxide). <i>Chemosphere</i> , 2019 , 218, 347-358	8.4	24
57	The Prestige oil spill: a laboratory study about the toxicity of the water-soluble fraction of the fuel oil. <i>Marine Environmental Research</i> , 2006 , 62 Suppl, S352-5	3.3	23
56	Towards FAIR nanosafety data. <i>Nature Nanotechnology</i> , 2021 , 16, 644-654	28.7	23
55	Differences in the induction of <i>cyp1A</i> and related genes in cultured rainbow trout <i>Oncorhynchus mykiss</i> . Additional considerations for the use of EROD activity as a biomarker. <i>Journal of Fish Biology</i> , 2012 , 81, 270-87	1.9	22
54	Studies on aromatic compounds: inhibition of calpain I by biphenyl derivatives and peptide-biphenyl hybrids. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004 , 14, 2753-7	2.9	21
53	Potentiating effect of graphene nanomaterials on aromatic environmental pollutant-induced cytochrome P450 1A expression in the topminnow fish hepatoma cell line PLHC-1. <i>Environmental Toxicology</i> , 2015 , 30, 1192-204	4.2	20
52	Induction of CYP1A by the N-imidazole derivative, 1-benzylimidazole. <i>Environmental Toxicology and Chemistry</i> , 2003 , 22, 830-836	3.8	20
51	Transcriptomic response of zebrafish embryos to polyaminoamine (PAMAM) dendrimers. <i>Nanotoxicology</i> , 2014 , 8 Suppl 1, 92-9	5.3	19
50	Negligible cytotoxicity induced by different titanium dioxide nanoparticles in fish cell lines. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 138, 309-319	7	18
49	Use of fish farms to assess river contamination: combining biomarker responses, active biomonitoring, and chemical analysis. <i>Aquatic Toxicology</i> , 2013 , 140-141, 439-48	5.1	18
48	Ecotoxicological assessment of soils polluted with chemical waste from lindane production: Use of bacterial communities and earthworms as bioremediation tools. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 145, 539-548	7	18
47	Use of a novel battery of bioassays for the biological characterisation of hazardous wastes. <i>Ecotoxicology and Environmental Safety</i> , 2009 , 72, 1594-600	7	18
46	Proposal for a tiered dietary bioaccumulation testing strategy for engineered nanomaterials using fish. <i>Environmental Science: Nano</i> , 2018 , 5, 2030-2046	7.1	17
45	Nanomaterials to microplastics: Swings and roundabouts. <i>Nano Today</i> , 2017 , 17, 7-10	17.9	17
44	Assessment of estrogenic and thyrogenic activities in fish feeds. <i>Aquaculture</i> , 2012 , 338-341, 172-180	4.4	17
43	Modulation of aryl hydrocarbon receptor transactivation by carbaryl, a nonconventional ligand. <i>FEBS Journal</i> , 2007 , 274, 3327-39	5.7	17

42	Decabromobiphenyl (PBB-209) activates the aryl hydrocarbon receptor while decachlorobiphenyl (PCB-209) is inactive: experimental evidence and computational rationalization of the different behavior of some halogenated biphenyls. <i>Chemical Research in Toxicology</i> , 2008 , 21, 643-58	4	16
41	Linear Alkylbenzene Sulfonates and Intermediate Products from their Degradation are not Estrogenic. <i>Marine Pollution Bulletin</i> , 1999 , 38, 880-884	6.7	16
40	Safe(r) by design implementation in the nanotechnology industry. <i>NanoImpact</i> , 2020 , 20, 100267	5.6	16
39	Fish cell lines as a tool for the ecotoxicity assessment and ranking of engineered nanomaterials. <i>Regulatory Toxicology and Pharmacology</i> , 2017 , 90, 297-307	3.4	15
38	Effects of a silver nanomaterial on cellular organelles and time course of oxidative stress in a fish cell line (PLHC-1). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2016 , 190, 54-65	3.2	15
37	Activation of the aryl hydrocarbon receptor by carbaryl: Computational evidence of the ability of carbaryl to assume a planar conformation. <i>Environmental Toxicology and Chemistry</i> , 2006 , 25, 3141-7	3.8	15
36	Cytological, immunocytochemical, ultrastructural and growth characterization of the rainbow trout liver cell line RTL-W1. <i>Tissue and Cell</i> , 2013 , 45, 159-74	2.7	14
35	Cytotoxicity against fish and mammalian cell lines and endocrine activity of the mycotoxins beauvericin, deoxynivalenol and ochratoxin-A. <i>Food and Chemical Toxicology</i> , 2019 , 127, 288-297	4.7	13
34	Thyroid active agents T3 and PTU differentially affect immune gene transcripts in the head kidney of rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Aquatic Toxicology</i> , 2016 , 174, 159-68	5.1	13
33	In vitro assessment of thyroidal and estrogenic activities in poultry and broiler manure. <i>Science of the Total Environment</i> , 2014 , 472, 630-41	10.2	13
32	Total lipid in the broodstock diet did not affect fatty acid composition and quality of eggs of sea bass (<i>Dicentrarchus labrax</i> L.). <i>Scientia Marina</i> , 2001 , 65, 11-19	1.8	13
31	In vitro dose-response effects of poly(amidoamine) dendrimers [amino-terminated and surface-modified with N-(2-hydroxydodecyl) groups] and quantitative determination by a liquid chromatography-hybrid quadrupole/time-of-flight mass spectrometry based method. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 304, 2749-58	4.4	12
30	Biological and chemical studies on aryl hydrocarbon receptor induction by the p53 inhibitor pifithrin- α and its condensation product pifithrin- β . <i>Life Sciences</i> , 2011 , 88, 774-83	6.8	12
29	The impact of seasonal alteration in the lipid composition of broodstock diets on egg quality in the European sea bass 1997 , 51, 760		11
28	In vitro toxicity of reuterin, a potential food biopreservative. <i>Food and Chemical Toxicology</i> , 2016 , 96, 155-9	4.7	9
27	. <i>Scientia Marina</i> , 1998 , 62,	1.8	9
26	Dissolution and aggregation of Cu nanoparticles in culture media: effects of incubation temperature and particles size. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	8
25	Mechanisms underlying the enhancement of toxicity caused by the coincubation of zinc oxide and copper nanoparticles in a fish hepatoma cell line. <i>Environmental Toxicology and Chemistry</i> , 2016 , 35, 2562-2570	2.8	8

24	Acute toxic effects caused by the co-exposure of nanoparticles of ZnO and Cu in rainbow trout. <i>Science of the Total Environment</i> , 2019 , 687, 24-33	10.2	7
23	Development of a new tool for the long term in vitro ecotoxicity testing of nanomaterials using a rainbow-trout cell line (RTL-W1). <i>Toxicology in Vitro</i> , 2018 , 50, 305-317	3.6	7
22	Detection of effects caused by very low levels of contaminants in riverine sediments through a combination of chemical analysis, in vitro bioassays, and farmed fish as sentinel. <i>Archives of Environmental Contamination and Toxicology</i> , 2015 , 68, 663-77	3.2	7
21	Organochlorine compounds in liver and concentrations of vitellogenin and 17beta-estradiol in plasma of sea bass fed with a commercial or with a natural diet. <i>Aquatic Toxicology</i> , 2005 , 75, 306-15	5.1	6
20	Remediation efficiency of three treatments on water polluted with endocrine disruptors: Assessment by means of in vitro techniques. <i>Chemosphere</i> , 2017 , 173, 267-274	8.4	5
19	Recovery of redox homeostasis altered by CuNPs in H4IIE liver cells does not reduce the cytotoxic effects of these NPs: an investigation using aryl hydrocarbon receptor (AhR) dependent antioxidant activity. <i>Chemico-Biological Interactions</i> , 2015 , 228, 57-68	5	5
18	Chlorotriazines do not activate the aryl hydrocarbon receptor, the oestrogen receptor or the thyroid receptor in in vitro assays. <i>ATLA Alternatives To Laboratory Animals</i> , 2014 , 42, 25-30	2.1	5
17	Induction of EROD activity by 1-phenylimidazole and beta-naphthoflavone in rainbow trout cultured hepatocytes: a comparative study. <i>Toxicology in Vitro</i> , 2007 , 21, 1307-10	3.6	5
16	. <i>Environmental Toxicology and Chemistry</i> , 2003 , 22, 830	3.8	5
15	Androgens and androgenic activity in broiler manure assessed by means of chemical analyses and in vitro bioassays. <i>Environmental Toxicology and Chemistry</i> , 2017 , 36, 1746-1754	3.8	4
14	Induction of EROD and BFCOD activities in tissues of barbel (<i>Barbus callensis</i>) from a water reservoir in Algeria. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 142, 129-138	7	4
13	Toxicity characterization of surface sediments from a Mediterranean coastal lagoon. <i>Chemosphere</i> , 2020 , 253, 126710	8.4	3
12	Investigating the Impact of Manufacturing Processes on the Ecotoxicity of Carbon Nanofibers: A Multi-Aquatic Species Comparison. <i>Environmental Toxicology and Chemistry</i> , 2019 , 38, 2314-2325	3.8	3
11	Non-destructive multibiomarker approach in European quail (<i>Coturnix coturnix coturnix</i>) exposed to the herbicide atrazine. <i>Archives of Environmental Contamination and Toxicology</i> , 2013 , 65, 567-74	3.2	3
10	Experimental and theoretical studies in the EU FP7 Marie Curie Initial Training Network Project, Environmental ChemOinformatics (ECO). <i>ATLA Alternatives To Laboratory Animals</i> , 2014 , 42, 7-11	2.1	3
9	In-vitro screening of the antiestrogenic activity of chemicals. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2008 , 4, 605-17	5.5	3
8	Luteinizing hormone plasma levels in male European sea bass (<i>Dicentrarchus labrax</i> L.) feeding diets with different fatty acid composition. <i>Ciencias Marinas</i> , 2004 , 30, 527-536	1.7	3
7	Evaluation of xenoestrogenic effects in fish on different organization levels. <i>Advances in Experimental Medicine and Biology</i> , 1998 , 444, 207-14	3.6	3

6	Peptide-biphenyl hybrid-capped AuNPs: stability and biocompatibility under cell culture conditions. <i>Nanoscale Research Letters</i> , 2013 , 8, 315	5	2
5	Cytotoxicity of three graphene-related materials in rainbow trout primary hepatocytes is not associated to cellular internalization.. <i>Ecotoxicology and Environmental Safety</i> , 2022 , 231, 113227	7	2
4	Exocrine pancreatic response to intraduodenal fatty acids and fats in rabbits. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1993 , 105, 141-5		1
3	Fish cell lines as screening tools to predict acute toxicity to fish of biocidal active substances and their relevant environmental metabolites. <i>Aquatic Toxicology</i> , 2021 , 242, 106020	5.1	1
2	Liver biomarkers response of the neotropical fish to environmental stressors associated with the oil industry. <i>Heliyon</i> , 2021 , 7, e07458	3.6	0
1	Steps Toward a Regulatory Framework for Transformation Products in Water 2014 , 877-902		