Miguel Oliveira

List of Publications by Year
in descending order

95 papers	5,285 citations	109137 35 h-index	88477 70 g-index
97 all docs	97 docs citations	97 times ranked	5150 citing authors

#	Article	IF	Citations
1	Studies of the effects of microplastics on aquatic organisms: What do we know and where should we focus our efforts in the future?. Science of the Total Environment, 2018, 645, 1029-1039.	3.9	881
2	Single and combined effects of microplastics and pyrene on juveniles (0+ group) of the common goby Pomatoschistus microps (Teleostei, Gobiidae). Ecological Indicators, 2013, 34, 641-647.	2.6	539
3	Effects of nanoplastics on Mytilus galloprovincialis after individual and combined exposure with carbamazepine. Science of the Total Environment, 2018, 643, 775-784.	3.9	280
4	Does the presence of microplastics influence the acute toxicity of chromium(VI) to early juveniles of the common goby (Pomatoschistus microps)? A study with juveniles from two wild estuarine populations. Aquatic Toxicology, 2015, 164, 163-174.	1.9	263
5	Nanoplastics and marine organisms: What has been studied?. Environmental Toxicology and Pharmacology, 2019, 67, 1-7.	2.0	185
6	Oxidative stress and genotoxic effects in gill and kidney of Anguilla anguilla L. exposed to chromium with or without pre-exposure to Î²-naphthoflavone. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2006, 608, 16-28.	0.9	151
7	Contamination assessment of a coastal lagoon (Ria de Aveiro, Portugal) using defence and damage biochemical indicators in gill of Liza aurata â€“ An integrated biomarker approach. Environmental Pollution, 2009, 157, 959-967.	3.7	135
8	Effects of polymethylmethacrylate nanoplastics on Dicentrarchus labrax. Genomics, 2018, 110, 435-441.	1.3	129
9	The why and how of micro(nano)plastic research. TrAC - Trends in Analytical Chemistry, 2019, 114, 196-201.	5.8	119
10	Organ specific antioxidant responses in golden grey mullet (Liza aurata) following a short-term exposure to phenanthrene. Science of the Total Environment, 2008, 396, 70-78.	3.9	100
11	Public views on plastic pollution: Knowledge, perceived impacts, and pro-environmental behaviours. Journal of Hazardous Materials, 2021, 412, 125227.	6.5	98
12	Effect of nanoplastics on fish health and performance: A review. Marine Pollution Bulletin, 2020, 151, 110791.	2.3	94
13	Anguilla anguilla L. oxidative stress biomarkers responses to copper exposure with or without Î²-naphthoflavone pre-exposure. Chemosphere, 2005, 61, 267-275.	4.2	90
14	A micro(nano)plastic boomerang tale: A never ending story?. TrAC - Trends in Analytical Chemistry, 2019, 112, 196-200.	5.8	89
15	Polystyrene nanoplastics alter the cytotoxicity of human pharmaceuticals on marine fish cell lines. Environmental Toxicology and Pharmacology, 2019, 69, 57-65.	2.0	76
16	Oxidative stress, liver biotransformation and genotoxic effects induced by copper in Anguilla anguilla L. â€“ the influence of pre-exposure to Î²-naphthoflavone. Chemosphere, 2006, 65, 1821-1830.	4.2	70
17	Cytochrome P4501A, genotoxic and stress responses in golden grey mullet (Liza aurata) following short-term exposure to phenanthrene. Chemosphere, 2007, 66, 1284-1291.	4.2	70
18	The effects of nanoplastics on marine plankton: A case study with polymethylmethacrylate. Ecotoxicology and Environmental Safety, 2019, 184, 109632.	2.9	68

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19	Glutathione protects heavy metal-induced inhibition of hepatic microsomal ethoxyresorufin O-deethylase activity in Dicentrarchus labrax L.. Ecotoxicology and Environmental Safety, 2004, 58, 379-385.	2.9	65
20	Acute toxic effects of pyrene on Pomatoschistus microps (Teleostei, Gobiidae): Mortality, biomarkers and swimming performance. Ecological Indicators, 2012, 19, 206-214.	2.6	61
21	Biotransformation and Genotoxic Biomarkers in Mullet Species (LIZA SP.) From a Contaminated Coastal Lagoon (Ria De Aveiro, Portugal). Environmental Monitoring and Assessment, 2005, 107, 133-153.	1.3	60
22	European eel (Anguilla anguilla L.) metallothionein, endocrine, metabolic and genotoxic responses to copper exposure. Ecotoxicology and Environmental Safety, 2008, 70, 20-26.	2.9	60
23	Behavior and biochemical responses of the polychaeta Hediste diversicolor to polystyrene nanoplastics. Science of the Total Environment, 2020, 707, 134434.	3.9	60
24	Gene expression patterns and related enzymatic activities of detoxification and oxidative stress systems in zebrafish larvae exposed to the 2,4-dichlorophenoxyacetic acid herbicide. Chemosphere, 2019, 224, 289-297.	4.2	57
25	Waterborne exposure of gilthead seabream (Sparus aurata) to polymethylmethacrylate nanoplastics causes effects at cellular and molecular levels. Journal of Hazardous Materials, 2021, 403, 123590.	6.5	56
26	Behavior of colloidal gold nanoparticles in different ionic strength media. Journal of Nanoparticle Research, 2015, 17, 1.	0.8	55
27	Chronic effects of carbamazepine on zebrafish: Behavioral, reproductive and biochemical endpoints. Ecotoxicology and Environmental Safety, 2018, 164, 297-304.	2.9	49
28	Wild juvenile Dicentrarchus labrax L. liver antioxidant and damage responses at Aveiro Lagoon, Portugal. Ecotoxicology and Environmental Safety, 2009, 72, 1861-1870.	2.9	44
29	Assessment of gold nanoparticle effects in a marine teleost (Sparus aurata) using molecular and biochemical biomarkers. Aquatic Toxicology, 2016, 177, 125-135.	1.9	44
30	DNA damage and lipid peroxidation vs. protection responses in the gill of Dicentrarchus labrax L. from a contaminated coastal lagoon (Ria de Aveiro, Portugal). Science of the Total Environment, 2008, 406, 298-307.	3.9	42
31	Are ecosystem services provided by insects â€œbuggedâ€•by micro (nano)plastics?. TrAC - Trends in Analytical Chemistry, 2019, 113, 317-320.	5.8	40
32	Do microplastics affect the zoanthid Zoanthus sociatus?. Science of the Total Environment, 2020, 713, 136659.	3.9	40
33	Effects of the lipid regulator drug gemfibrozil: A toxicological and behavioral perspective. Aquatic Toxicology, 2016, 170, 355-364.	1.9	39
34	Beta-Blockers and Cancer: Where Are We?. Pharmaceuticals, 2020, 13, 105.	1.7	38
35	Endocrine and metabolic changes in Anguilla anguilla L. following exposure to Î²-naphthoflavoneâ€”a microsomal enzyme inducer. Environment International, 2005, 31, 99-104.	4.8	36
36	Evaluation of oxidative DNA lesions in plasma and nuclear abnormalities in erythrocytes of wild fish (Liza aurata) as an integrated approach to genotoxicity assessment. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2010, 703, 83-89.	0.9	36

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37	Polymethylmethacrylate nanoplastics effects on the freshwater cnidarian Hydra viridissima. Journal of Hazardous Materials, 2021, 402, 123773.	6.5	36
38	Establishment of a brain cell line (FuB-1) from mummichog (Fundulus heteroclitus) and its application to fish virology, immunity and nanoplastics toxicology. Science of the Total Environment, 2020, 708, 134821.	3.9	35
39	Oxidative stress and genotoxic responses to resin acids in Mediterranean mussels. Ecotoxicology and Environmental Safety, 2005, 61, 221-229.	2.9	33
40	Hepatic metallothionein concentrations in the golden grey mullet (Liza aurata) â€“ Relationship with environmental metal concentrations in a metal-contaminated coastal system in Portugal. Marine Environmental Research, 2010, 69, 227-233.	1.1	32
41	Monitoring pollution of coastal lagoon using Liza aurata kidney oxidative stress and genetic endpoints: an integrated biomarker approach. Ecotoxicology, 2010, 19, 643-653.	1.1	30
42	2,4-Dichlorophenoxyacetic acid herbicide effects on zebrafish larvae: development, neurotransmission and behavior as sensitive endpoints. Environmental Science and Pollution Research, 2020, 27, 3686-3696.	2.7	30
43	A multibiomarker approach highlights effects induced by the human pharmaceutical gemfibrozil to gilthead seabream Sparus aurata. Aquatic Toxicology, 2018, 200, 266-274.	1.9	29
44	Do nanoplastics impact the ability of the polychaeta Hediste diversicolor to regenerate?. Ecological Indicators, 2020, 110, 105921.	2.6	29
45	Fish thyroidal and stress responses in contamination monitoringâ€”An integrated biomarker approach. Ecotoxicology and Environmental Safety, 2011, 74, 1265-1270.	2.9	28
46	Effects of emerging contaminants on neurotransmission and biotransformation in marine organisms â€” An in vitro approach. Marine Pollution Bulletin, 2016, 106, 236-244.	2.3	28
47	Linking cortisol response with gene expression in fish exposed to gold nanoparticles. Science of the Total Environment, 2017, 584-585, 1004-1011.	3.9	28
48	Transport and Recovery of Gilthead Sea Bream (Sparus aurata L.) Sedated With Clove Oil and MS222: Effects on Oxidative Stress Status. Frontiers in Physiology, 2019, 10, 523.	1.3	28
49	Effects of short-term exposure to fluoxetine and carbamazepine to the collembolan Folsomia candida. Chemosphere, 2015, 120, 86-91.	4.2	26
50	Synergy effects of fluoxetine and variability in temperature lead to proportionally greater fitness costs in Daphnia: A multigenerational test. Aquatic Toxicology, 2017, 193, 268-275.	1.9	24
51	Immuno-modulatory effects of nanoplastics and humic acids in the European seabass (Dicentrarchus) Tj ETQq1 1 0.784314 rgBT /Ove	6.5	24
52	Antioxidant Responses Versus DNA Damage and Lipid Peroxidation in Golden Grey Mullet Liver: A Field Study at Ria de Aveiro (Portugal). Archives of Environmental Contamination and Toxicology, 2010, 59, 454-463.	2.1	23
53	Toxic effects of human pharmaceuticals to Folsomia candida â€“ A multigeneration approach. Science of the Total Environment, 2018, 625, 1225-1233.	3.9	23
54	Effects of acute handling stress on short-term central expression of orexigenic/anorexigenic genes in zebrafish. Fish Physiology and Biochemistry, 2018, 44, 257-272.	0.9	23

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55	Microbiome: A forgotten target of environmental micro(nano)plastics?. Science of the Total Environment, 2022, 822, 153628.	3.9	23
56	Environmental Fate of Zinc Oxide Nanoparticles: Risks and Benefits. , 0, , .		22
57	Evaluation of gemfibrozil effects on a marine fish (Sparus aurata) combining gene expression with conventional endocrine and biochemical endpoints. Journal of Hazardous Materials, 2016, 318, 600-607.	6.5	22
58	Perspectives on Micro(Nano)Plastics in the Marine Environment: Biological and Societal Considerations. Water (Switzerland), 2020, 12, 3208.	1.2	22
59	Effects of nanoplastics on zebrafish embryo-larval stages: A case study with polystyrene (PS) and polymethylmethacrylate (PMMA) particles. Environmental Research, 2022, 213, 113584.	3.7	22
60	Genotoxicity of gemfibrozil in the gilthead seabream (Sparus aurata). Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2017, 821, 36-42.	0.9	21
61	Genotoxicity of gold nanoparticles in the gilthead seabream (Sparus aurata) after single exposure and combined with the pharmaceutical gemfibrozil. Chemosphere, 2019, 220, 11-19.	4.2	20
62	Multiorgan histopathological changes in the juvenile seabream Sparus aurata as a biomarker for zinc oxide particles toxicity. Environmental Science and Pollution Research, 2020, 27, 30907-30917.	2.7	20
63	Effects and bioaccumulation of gold nanoparticles in the gilthead seabream (Sparus aurata) â€“ Single and combined exposures with gemfibrozil. Chemosphere, 2019, 215, 248-260.	4.2	19
64	Insights into nanoplastics effects on human health. Science Bulletin, 2020, 65, 1966-1969.	4.3	19
65	Can non-invasive methods be used to assess effects of nanoparticles in fish?. Ecological Indicators, 2018, 95, 1118-1127.	2.6	18
66	Behavioral effects in adult zebrafish after developmental exposure to carbaryl. Chemosphere, 2019, 235, 1022-1029.	4.2	15
67	Polymethylmethacrylate nanoplastics can cause developmental malformations in early life stages of Xenopus laevis. Science of the Total Environment, 2022, 806, 150491.	3.9	15
68	Golden grey mullet and sea bass oxidative DNA damage and clastogenic/aneugenic responses in a contaminated coastal lagoon. Ecotoxicology and Environmental Safety, 2010, 73, 1907-1913.	2.9	14
69	The role of humic acids on gemfibrozil toxicity to zebrafish embryos. Chemosphere, 2019, 220, 556-564.	4.2	13
70	On the path to minimize plastic pollution: The perceived importance of education and knowledge dissemination strategies. Marine Pollution Bulletin, 2021, 171, 112890.	2.3	13
71	Toxicogenomics of Gold Nanoparticles in a Marine Fish: Linkage to Classical Biomarkers. Frontiers in Marine Science, 2019, 6, .	1.2	12
72	Short-term exposure to polymethylmethacrylate nanoplastics alters muscle antioxidant response, development and growth in Sparus aurata. Marine Pollution Bulletin, 2021, 172, 112918.	2.3	12

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73	Levels and effects of antidepressant drugs to aquatic organisms. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2022, 256, 109322.	1.3	12
74	Effects of short-term exposure to microplastics and pyrene on Pomatoschistus microps (Teleostei,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2012, 163, S20.	0.8	10
75	Effects of exposure to microplastics and PAHs on microalgae Rhodomonas baltica and Tetraselmis chuii. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2012, 163, S19-S20.	0.8	10
76	A baseline study on the impact of nanoplastics on the portals of entry of xenobiotics in fish. Marine Pollution Bulletin, 2021, 173, 113018.	2.3	10
77	Modulation of immune genes mRNA levels in mucosal tissues and DNA damage in red blood cells of Sparus aurata by gold nanoparticles. Marine Pollution Bulletin, 2018, 133, 428-435.	2.3	9
78	Effects of gold nanoparticles in gilthead seabreamâ€"A proteomic approach. Aquatic Toxicology, 2020, 221, 105445.	1.9	9
79	Is the toxicity of nanosized polymethylmethacrylate particles dependent on the exposure route and food items?. Journal of Hazardous Materials, 2021, 413, 125443.	6.5	9
80	The use of Hediste diversicolor in the study of emerging contaminants. Marine Environmental Research, 2020, 159, 105013.	1.1	9
81	Seasonal Liza aurata tissue-specific DNA integrity in a multi-contaminated coastal lagoon (Ria de) Tj ETQq1 1 0.784314 rgBT /Overloc	2.3	8
82	Chronic Effects of Fluoxetine on Danio rerio: A Biochemical and Behavioral Perspective. Applied Sciences (Switzerland), 2022, 12, 2256.	1.3	8
83	Gold nanoparticles exposure modulates antioxidant and innate immune gene expression in the gills of Sparus aurata. Genomics, 2018, 110, 430-434.	1.3	7
84	Modulatory role of copper on Î²-naphthoflavone-induced DNA damage in European eel (Anguilla) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	2.9	5
85	Tools to assess effects of human pharmaceuticals in fish: A case study with gemfibrozil. Ecological Indicators, 2018, 95, 1100-1107.	2.6	5
86	Susceptibility of Folsomia candida to Agrochemicals after Multigenerational Exposure to Human Pharmaceuticals. Environmental Toxicology and Chemistry, 2021, , .	2.2	5
87	Effects of single and combined exposures of gold (nano versus ionic form) and gemfibrozil in a liver organ culture of Sparus aurata. Marine Pollution Bulletin, 2020, 160, 111665.	2.3	4
88	Feeding exposure and feeding behaviour as relevant approaches in the assessment of the effects of micro(nano)plastics to early life stages of amphibians. Environmental Research, 2022, 212, 113476.	3.7	4
89	Biological effects and bioaccumulation of gold in gilthead seabream (Sparus aurata) â€“ Nano versus ionic form. Science of the Total Environment, 2020, 716, 137026.	3.9	3
90	Does parental exposure to nanoplastics modulate the response of Hediste diversicolor to other contaminants: A case study with arsenic. Environmental Research, 2022, 214, 113764.	3.7	3

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91	Effects of Benzo[a]pyrene, Cortisol, and 17ÃŸ-Estradiol on Liver Microsomal EROD Activity of Anguilla anguilla: An In Vitro Approach. Applied Sciences (Switzerland), 2021, 11, 2533.	1.3	2
92	Evaluation of C-reactive-like protein in Mytilus galloprovincialis. Ecological Indicators, 2019, 106, 105537.	2.6	1
93	The Role of Humic Acids on the Effects of Nanoplastics in Fish. Springer Water, 2020, , 164-169.	0.2	1
94	Acute effects of pyrene on the common goby pomatoschistus microps (Teleostei, Gobiidae). Toxicology Letters, 2010, 196, S127-S128.	0.4	0
95	Steroid Hormones Protect against Fluoranthene Ethoxyresorufin-O-Deethylase (EROD) Activity Inhibition. Applied Sciences (Switzerland), 2022, 12, 3098.	1.3	0