Miguel Oliveira

List of Publications by Citations

92 papers	3,492 citations	29 h-index	57 g-index
97 ext. papers	4,343 ext. citations	6.9 avg, IF	5.95 L-index

#	Paper	IF	Citations
92	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	10.2	538
91	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	5.8	410
90	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, 163-74	5.1	197
89	Effects of nanoplastics on Mytilus galloprovincialis after individual and combined exposure with carbamazepine. *Science of the Total Environment*, **2018**, 643, 775-784	10.2	173
88	Oxidative stress and genotoxic effects in gill and kidney of Anguilla anguilla L. exposed to chromium with or without pre-exposure to beta-naphthoflavone. *Mutation Research - Genetic Toxicology and Environmental Mutagenesis*, **2006**, 608, 16-28	3	134
87	Contamination assessment of a coastal lagoon (Ria de Aveiro, Portugal) using defence and damage biochemical indicators in gill of Liza aurata--an integrated biomarker approach. *Environmental Pollution*, **2009**, 157, 959-67	9.3	124
86	Nanoplastics and marine organisms: What has been studied?. *Environmental Toxicology and Pharmacology*, **2019**, 67, 1-7	5.8	101
85	Organ specific antioxidant responses in golden grey mullet (Liza aurata) following a short-term exposure to phenanthrene. *Science of the Total Environment*, **2008**, 396, 70-8	10.2	89
84	Anguilla anguilla L. oxidative stress biomarkers responses to copper exposure with or without beta-naphthoflavone pre-exposure. *Chemosphere*, **2005**, 61, 267-75	8.4	81
83	Effects of polymethylmethacrylate nanoplastics on Dicentrarchus labrax. *Genomics*, **2018**, 110, 435-441	4.3	80
82	The why and how of micro(nano)plastic research. *TrAC - Trends in Analytical Chemistry*, **2019**, 114, 196-201	14.6	67
81	Cytochrome P4501A, genotoxic and stress responses in golden grey mullet (Liza aurata) following short-term exposure to phenanthrene. *Chemosphere*, **2007**, 66, 1284-91	8.4	61
80	Oxidative stress, liver biotransformation and genotoxic effects induced by copper in Anguilla anguilla L.--the influence of pre-exposure to beta-naphthoflavone. *Chemosphere*, **2006**, 65, 1821-30	8.4	60
79	Glutathione protects heavy metal-induced inhibition of hepatic microsomal ethoxyresorufin O-deethylase activity in Dicentrarchus labrax L. *Ecotoxicology and Environmental Safety*, **2004**, 58, 379-85	7	60
78	Acute toxic effects of pyrene on Pomatoschistus microps (Teleostei, Gobiidae): Mortality, biomarkers and swimming performance. *Ecological Indicators*, **2012**, 19, 206-214	5.8	54
77	Biotransformation and genotoxic biomarkers in mullet species (Liza sp.) from a contaminated coastal lagoon (Ria de Aveiro, Portugal). *Environmental Monitoring and Assessment*, **2005**, 107, 133-53	3.1	53
76	A micro(nano)plastic boomerang tale: A never ending story?. *TrAC - Trends in Analytical Chemistry*, **2019**, 112, 196-200	14.6	52

75	European eel (Anguilla anguilla L.) metallothionein, endocrine, metabolic and genotoxic responses to copper exposure. *Ecotoxicology and Environmental Safety*, **2008**, 70, 20-6	7	49
74	Polystyrene nanoplastics alter the cytotoxicity of human pharmaceuticals on marine fish cell lines. *Environmental Toxicology and Pharmacology*, **2019**, 69, 57-65	5.8	41
73	The effects of nanoplastics on marine plankton: A case study with polymethylmethacrylate. *Ecotoxicology and Environmental Safety*, **2019**, 184, 109632	7	40
72	Behavior of colloidal gold nanoparticles in different ionic strength media. *Journal of Nanoparticle Research*, **2015**, 17, 1	2.3	40
71	Assessment of gold nanoparticle effects in a marine teleost (Sparus aurata) using molecular and biochemical biomarkers. *Aquatic Toxicology*, **2016**, 177, 125-35	5.1	40
70	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	10.2	38
69	Effect of nanoplastics on fish health and performance: A review. *Marine Pollution Bulletin*, **2020**, 151, 110791	6.7	38
68	Wild juvenile Dicentrarchus labrax L. liver antioxidant and damage responses at Aveiro Lagoon, Portugal. *Ecotoxicology and Environmental Safety*, **2009**, 72, 1861-70	7	37
67	Oxidative stress and genotoxic responses to resin acids in Mediterranean mussels. *Ecotoxicology and Environmental Safety*, **2005**, 61, 221-9	7	31
66	Hepatic metallothionein concentrations in the golden grey mullet (Liza aurata) - Relationship with environmental metal concentrations in a metal-contaminated coastal system in Portugal. *Marine Environmental Research*, **2010**, 69, 227-33	3.3	30
65	Behavior and biochemical responses of the polychaeta Hediste diversicolor to polystyrene nanoplastics. *Science of the Total Environment*, **2020**, 707, 134434	10.2	30
64	Public views on plastic pollution: Knowledge, perceived impacts, and pro-environmental behaviours. *Journal of Hazardous Materials*, **2021**, 412, 125227	12.8	30
63	Effects of the lipid regulator drug gemfibrozil: A toxicological and behavioral perspective. *Aquatic Toxicology*, **2016**, 170, 355-364	5.1	29
62	Endocrine and metabolic changes in Anguilla anguilla L. following exposure to beta-naphthoflavone--a microsomal enzyme inducer. *Environment International*, **2005**, 31, 99-104	12.9	29
61	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, 83-9	3	28
60	Fish thyroidal and stress responses in contamination monitoring--an integrated biomarker approach. *Ecotoxicology and Environmental Safety*, **2011**, 74, 1265-70	7	26
59	Are ecosystem services provided by insects bugged by micro (nano)plastics?. *TrAC - Trends in Analytical Chemistry*, **2019**, 113, 317-320	14.6	25
58	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	8.4	25

57	Waterborne exposure of gilthead seabream (Sparus aurata) to polymethylmethacrylate nanoplastics causes effects at cellular and molecular levels. *Journal of Hazardous Materials*, **2021**, 403, 123590	12.8	25
56	Chronic effects of carbamazepine on zebrafish: Behavioral, reproductive and biochemical endpoints. *Ecotoxicology and Environmental Safety*, **2018**, 164, 297-304	7	23
55	Monitoring pollution of coastal lagoon using Liza aurata kidney oxidative stress and genetic endpoints: an integrated biomarker approach. *Ecotoxicology*, **2010**, 19, 643-53	2.9	23
54	Effects of emerging contaminants on neurotransmission and biotransformation in marine organisms - An in vitro approach. *Marine Pollution Bulletin*, **2016**, 106, 236-44	6.7	23
53	Linking cortisol response with gene expression in fish exposed to gold nanoparticles. *Science of the Total Environment*, **2017**, 584-585, 1004-1011	10.2	21
52	Genotoxicity of gemfibrozil in the gilthead seabream (Sparus aurata). *Mutation Research - Genetic Toxicology and Environmental Mutagenesis*, **2017**, 821, 36-42	3	20
51	Effects of short-term exposure to fluoxetine and carbamazepine to the collembolan Folsomia candida. *Chemosphere*, **2015**, 120, 86-91	8.4	20
50	Do microplastics affect the zoanthid Zoanthus sociatus?. *Science of the Total Environment*, **2020**, 713, 136659	10.2	20
49	A multibiomarker approach highlights effects induced by the human pharmaceutical gemfibrozil to gilthead seabream Sparus aurata. *Aquatic Toxicology*, **2018**, 200, 266-274	5.1	20
48	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	10.2	18
47	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, 454-63	3.2	17
46	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	12.8	17
45	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	5.1	16
44	Transport and Recovery of Gilthead Sea Bream (L.) Sedated With Clove Oil and MS222: Effects on Oxidative Stress Status. *Frontiers in Physiology*, **2019**, 10, 523	4.6	15
43	Do nanoplastics impact the ability of the polychaeta Hediste diversicolor to regenerate?. *Ecological Indicators*, **2020**, 110, 105921	5.8	15
42	Toxic effects of human pharmaceuticals to Folsomia candida - A multigeneration approach. *Science of the Total Environment*, **2018**, 625, 1225-1233	10.2	14
41	Genotoxicity of gold nanoparticles in the gilthead seabream (Sparus aurata) after single exposure and combined with the pharmaceutical gemfibrozil. *Chemosphere*, **2019**, 220, 11-19	8.4	14
40	Effects and bioaccumulation of gold nanoparticles in the gilthead seabream (Sparus aurata) - Single and combined exposures with gemfibrozil. *Chemosphere*, **2019**, 215, 248-260	8.4	14

39	Effects of acute handling stress on short-term central expression of orexigenic/anorexigenic genes in zebrafish. *Fish Physiology and Biochemistry*, **2018**, 44, 257-272	2.7	13
38	Polymethylmethacrylate nanoplastics effects on the freshwater cnidarian Hydra viridissima. *Journal of Hazardous Materials*, **2021**, 402, 123773	12.8	13
37	Beta-Blockers and Cancer: Where Are We?. *Pharmaceuticals*, **2020**, 13,	5.2	12
36	Golden grey mullet and sea bass oxidative DNA damage and clastogenic/aneugenic responses in a contaminated coastal lagoon. *Ecotoxicology and Environmental Safety*, **2010**, 73, 1907-13	7	12
35	Environmental Fate of Zinc Oxide Nanoparticles: Risks and Benefits **2016**,		12
34	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	5.1	12
33	Can non-invasive methods be used to assess effects of nanoparticles in fish?. *Ecological Indicators*, **2018**, 95, 1118-1127	5.8	10
32	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	2.6	10
31	Effects of short-term exposure to microplastics and pyrene on Pomatoschistus microps (Teleostei, Gobiidae). *Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology*, **2012**, 163, S20	2.6	9
30	Perspectives on Micro(Nano)Plastics in the Marine Environment: Biological and Societal Considerations. *Water (Switzerland)*, **2020**, 12, 3208	3	9
29	The role of humic acids on gemfibrozil toxicity to zebrafish embryos. *Chemosphere*, **2019**, 220, 556-564	8.4	9
28	Seasonal Liza aurata tissue-specific DNA integrity in a multi-contaminated coastal lagoon (Ria de Aveiro, Portugal). *Marine Pollution Bulletin*, **2010**, 60, 1755-61	6.7	8
27	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	5.1	8
26	Toxicogenomics of Gold Nanoparticles in a Marine Fish: Linkage to Classical Biomarkers. *Frontiers in Marine Science*, **2019**, 6,	4.5	7
25	Behavioral effects in adult zebrafish after developmental exposure to carbaryl. *Chemosphere*, **2019**, 235, 1022-1029	8.4	7
24	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	6.7	7
23	Immuno-modulatory effects of nanoplastics and humic acids in the European seabass (Dicentrarchus labrax). *Journal of Hazardous Materials*, **2021**, 414, 125562	12.8	7
22	Insights into nanoplastics effects on human health. *Science Bulletin*, **2020**, 65, 1966-1969	10.6	6

21	Gold nanoparticles exposure modulates antioxidant and innate immune gene expression in the gills of Sparus aurata. *Genomics*, **2018**, 110, 430-434	4.3	5
20	Effects of gold nanoparticles in gilthead seabream-A proteomic approach. *Aquatic Toxicology*, **2020**, 221, 105445	5.1	4
19	Modulatory role of copper on β-naphthoflavone-induced DNA damage in European eel (Anguilla anguilla L.). *Ecotoxicology and Environmental Safety*, **2008**, 71, 806-12	7	4
18	Biological effects and bioaccumulation of gold in gilthead seabream (Sparus aurata) - Nano versus ionic form. *Science of the Total Environment*, **2020**, 716, 137026	10.2	3
17	Tools to assess effects of human pharmaceuticals in fish: A case study with gemfibrozil. *Ecological Indicators*, **2018**, 95, 1100-1107	5.8	3
16	The use of Hediste diversicolor in the study of emerging contaminants. *Marine Environmental Research*, **2020**, 159, 105013	3.3	3
15	Is the toxicity of nanosized polymethylmethacrylate particles dependent on the exposure route and food items?. *Journal of Hazardous Materials*, **2021**, 413, 125443	12.8	3
14	Short-term exposure to polymethylmethacrylate nanoplastics alters muscle antioxidant response, development and growth in Sparus aurata. *Marine Pollution Bulletin*, **2021**, 172, 112918	6.7	3
13	Polymethylmethacrylate nanoplastics can cause developmental malformations in early life stages of Xenopus laevis. *Science of the Total Environment*, **2022**, 806, 150491	10.2	3
12	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	6.7	2
11	Effects of Benzo[a]pyrene, Cortisol, and 17β-Estradiol on Liver Microsomal EROD Activity of Anguilla anguilla: An In Vitro Approach. *Applied Sciences (Switzerland)*, **2021**, 11, 2533	2.6	2
10	Susceptibility of Folsomia candida to Agrochemicals after Multigenerational Exposure to Human Pharmaceuticals. *Environmental Toxicology and Chemistry*, **2021**,	3.8	2
9	Evaluation of C-reactive-like protein in Mytilus galloprovincialis. *Ecological Indicators*, **2019**, 106, 105537	5.8	1
8	Microbiome: A forgotten target of environmental micro(nano)plastics?. *Science of the Total Environment*, **2022**, 153628	10.2	1
7	The Role of Humic Acids on the Effects of Nanoplastics in Fish. *Springer Water*, **2020**, 164-169	0.3	1
6	A baseline study on the impact of nanoplastics on the portals of entry of xenobiotics in fish. *Marine Pollution Bulletin*, **2021**, 173, 113018	6.7	1
5	On the path to minimize plastic pollution: The perceived importance of education and knowledge dissemination strategies. *Marine Pollution Bulletin*, **2021**, 171, 112890	6.7	1
4	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	7.9	1

3	Chronic Effects of Fluoxetine on Danio rerio: A Biochemical and Behavioral Perspective. *Applied Sciences (Switzerland)*, **2022**, 12, 2256	2.6	0
2	Levels and effects of antidepressant drugs to aquatic organisms.. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2022**, 109322	3.2	0
1	Steroid Hormones Protect against Fluoranthene Ethoxyresorufin-O-Deethylase (EROD) Activity Inhibition. *Applied Sciences (Switzerland)*, **2022**, 12, 3098	2.6	