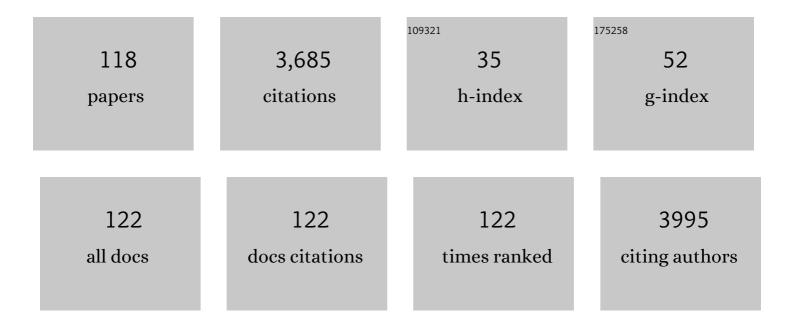
List of Publications by Year in descending order

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SANTOS MM

#	Article	IF	CITATIONS
1	Measuring biomarkers in wastewater as a new source of epidemiological information: Current state and future perspectives. Environment International, 2017, 99, 131-150.	10.0	209
2	Imposex induction is mediated through the Retinoid X Receptor signalling pathway in the neogastropod Nucella lapillus. Aquatic Toxicology, 2007, 85, 57-66.	4.0	152
3	Toxicity screening of Diclofenac, Propranolol, Sertraline and Simvastatin using Danio rerio and Paracentrotus lividus embryo bioassays. Ecotoxicology and Environmental Safety, 2015, 114, 67-74.	6.0	103
4	Disruption of zebrafish (Danio rerio) embryonic development after full life-cycle parental exposure to low levels of ethinylestradiol. Aquatic Toxicology, 2009, 95, 330-338.	4.0	102
5	Rearing zebrafish (Danio rerio) larvae without live food: evaluation of a commercial, a practical and a purified starter diet on larval performance. Aquaculture Research, 2006, 37, 1107-1111.	1.8	97
6	Estimation of caffeine intake from analysis of caffeine metabolites in wastewater. Science of the Total Environment, 2017, 609, 1582-1588.	8.0	87
7	The Mammalian "Obesogen―Tributyltin Targets Hepatic Triglyceride Accumulation and the Transcriptional Regulation of Lipid Metabolism in the Liver and Brain of Zebrafish. PLoS ONE, 2015, 10, e0143911.	2.5	86
8	Tributyltin-induced imposex in marine gastropods involves tissue-specific modulation of the retinoid X receptor. Aquatic Toxicology, 2011, 101, 221-227.	4.0	76
9	Imposex in Nucella lapillus, a bioindicator for TBT contamination: re-survey along the Portuguese coast to monitor the effectiveness of EU regulation. Journal of Sea Research, 2002, 48, 217-223.	1.6	70
10	How mitochondrial dysfunction affects zebrafish development and cardiovascular function: an <i>in vivo</i> model for testing mitochondriaâ€ŧargeted drugs. British Journal of Pharmacology, 2013, 169, 1072-1090.	5.4	70
11	Review on hazardous and noxious substances (HNS) involved in marine spill incidents—An online database. Journal of Hazardous Materials, 2015, 285, 509-516.	12.4	69
12	Pharmacological modulation of HDAC1 and HDAC6 in vivo in a zebrafish model: Therapeutic implications for Parkinson's disease. Pharmacological Research, 2016, 103, 328-339.	7.1	67
13	Hazardous and Noxious Substances (HNS) in the marine environment: Prioritizing HNS that pose major risk in a European context. Marine Pollution Bulletin, 2011, 62, 21-28.	5.0	66
14	Diversity and history of the long-chain acyl-CoA synthetase (Acsl) gene family in vertebrates. BMC Evolutionary Biology, 2013, 13, 271.	3.2	60
15	Evolutionary functional elaboration of the Elovl2/5 gene family in chordates. Scientific Reports, 2016, 6, 20510.	3.3	60
16	Hypocholesterolaemic pharmaceutical simvastatin disrupts reproduction and population growth of the amphipod Gammarus locusta at the ng/L range. Aquatic Toxicology, 2014, 155, 337-347.	4.0	54
17	Statins: An undesirable class of aquatic contaminants?. Aquatic Toxicology, 2016, 174, 1-9.	4.0	53
18	Estrogens counteract the masculinizing effect of tributyltin in zebrafish. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2006, 142, 151-155.	2.6	51

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19	Genotoxic effects of binary mixtures of xenoandrogens (tributyltin, triphenyltin) and a xenoestrogen (ethinylestradiol) in a partial life-cycle test with Zebrafish (Danio rerio). Environment International, 2007, 33, 1035-1039.	10.0	51
20	The unpredictable effects of mixtures of androgenic and estrogenic chemicals on fish early life. Environment International, 2011, 37, 418-424.	10.0	49
21	Chronic effects of clofibric acid in zebrafish (Danio rerio): A multigenerational study. Aquatic Toxicology, 2015, 160, 76-86.	4.0	49
22	Screening the Toxicity of Selected Personal Care Products Using Embryo Bioassays: 4-MBC, Propylparaben and Triclocarban. International Journal of Molecular Sciences, 2016, 17, 1762.	4.1	48
23	Review of oil and HNS accidental spills in Europe: Identifying major environmental monitoring gaps and drawing priorities. Marine Pollution Bulletin, 2012, 64, 1085-1095.	5.0	44
24	The genomic environment around the Aromatase gene: evolutionary insights. BMC Evolutionary Biology, 2005, 5, 43.	3.2	43
25	The estrogen receptor of the gastropod Nucella lapillus: Modulation following exposure to an estrogenic effluent?. Aquatic Toxicology, 2007, 84, 465-468.	4.0	43
26	Organotin levels in seafood from Portuguese markets and the risk for consumers. Chemosphere, 2009, 75, 661-666.	8.2	43
27	A Mollusk Retinoic Acid Receptor (RAR) Ortholog Sheds Light on the Evolution of Ligand Binding. Endocrinology, 2014, 155, 4275-4286.	2.8	43
28	Methyl-triclosan and triclosan impact embryonic development of Danio rerio and Paracentrotus lividus. Ecotoxicology, 2017, 26, 482-489.	2.4	42
29	Fluoxetine modulates the transcription of genes involved in serotonin, dopamine and adrenergic signalling in zebrafish embryos. Chemosphere, 2018, 191, 954-961.	8.2	41
30	Effects of environmentally relevant levels of polyethylene microplastic on Mytilus galloprovincialis (Mollusca: Bivalvia): filtration rate and oxidative stress. Environmental Science and Pollution Research, 2021, 28, 26643-26652.	5.3	41
31	New insights into the mechanism of imposex induction in the dogwhelk Nucella lapillus. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2005, 141, 101-109.	2.6	40
32	Obesogens in the aquatic environment: an evolutionary and toxicological perspective. Environment International, 2017, 106, 153-169.	10.0	40
33	Retention of fatty acyl desaturase 1 (fads1) in Elopomorpha and Cyclostomata provides novel insights into the evolution of long-chain polyunsaturated fatty acid biosynthesis in vertebrates. BMC Evolutionary Biology, 2018, 18, 157.	3.2	40
34	New psychoactive substances in several European populations assessed by wastewater-based epidemiology. Water Research, 2021, 195, 116983.	11.3	40
35	Organotin contamination in the Atlantic Ocean off the Iberian Peninsula in relation to shipping. Chemosphere, 2006, 64, 1100-1108.	8.2	39
36	The use of biomarkers as integrative tools for transitional water bodies monitoring in the Water Framework Directive context — A holistic approach in Minho river transitional waters. Science of the Total Environment, 2016, 539, 85-96.	8.0	38

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37	<i>To Bind or Not To Bind</i> : The Taxonomic Scope of Nuclear Receptor Mediated Endocrine Disruption in Invertebrate Phyla. Environmental Science & Technology, 2014, 48, 5361-5363.	10.0	37
38	Cytochrome P450 differences in normal and imposex-affected female whelk Buccinum undatum from the open North Sea. Marine Environmental Research, 2002, 54, 661-665.	2.5	36
39	Zebrafish embryo bioassays for a comprehensive evaluation of microalgae efficiency in the removal of diclofenac from water. Science of the Total Environment, 2018, 640-641, 1024-1033.	8.0	36
40	Imposex and butyltin contamination off the Oporto Coast (NW Portugal): a possible effect of the discharge of dredged material. Environment International, 2004, 30, 793-798.	10.0	35
41	Chronic environmentally relevant levels of simvastatin disrupt embryonic development, biochemical and molecular responses in zebrafish (Danio rerio). Aquatic Toxicology, 2018, 201, 47-57.	4.0	32
42	Danio rerio embryos on Prozac â;į Effects on the detoxification mechanism and embryo development. Aquatic Toxicology, 2016, 178, 182-189.	4.0	31
43	Hazard and mode of action of disinfection by-products (DBPs) in water for human consumption: Evidences and research priorities. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2019, 223, 53-61.	2.6	31
44	Measuring lysosomal stability as an effective tool for marine coastal environmental monitoring. Marine Environmental Research, 2004, 58, 741-745.	2.5	30
45	Urogenital papilla feminization in male Pomatoschistus minutus from two estuaries in northwestern Iberian Peninsula. Marine Environmental Research, 2006, 62, S258-S262.	2.5	30
46	The use of the shanny Lipophrys pholis for pollution monitoring: A new sentinel species for the northwestern European marine ecosystems. Environment International, 2008, 34, 94-101.	10.0	30
47	Chronic effects of triclocarban in the amphipod Gammarus locusta : Behavioural and biochemical impairment. Ecotoxicology and Environmental Safety, 2017, 135, 276-283.	6.0	30
48	Effects of Tributyltin and Other Retinoid Receptor Agonists in Reproductive-Related Endpoints in the Zebrafish (<i>Danio rerio</i>). Journal of Toxicology and Environmental Health - Part A: Current Issues, 2015, 78, 747-760.	2.3	29
49	Effects of pharmaceuticals and personal care products (PPCPs) on multixenobiotic resistance (MXR) related efflux transporter activity in zebrafish (Danio rerio) embryos. Ecotoxicology and Environmental Safety, 2017, 136, 14-23.	6.0	29
50	Rapid-behaviour responses as a reliable indicator of estrogenic chemical toxicity in zebrafish juveniles. Chemosphere, 2011, 85, 1543-1547.	8.2	26
51	Zebrafish (Danio rerio) life-cycle exposure to chronic low doses of ethinylestradiol modulates p53 gene transcription within the gonads, but not NER pathways. Ecotoxicology, 2012, 21, 1513-1522.	2.4	26
52	Retinoid metabolism in invertebrates: When evolution meets endocrine disruption. General and Comparative Endocrinology, 2014, 208, 134-145.	1.8	26
53	Simulation of a Hazardous and Noxious Substances (HNS) spill in the marine environment: Lethal and sublethal effects of acrylonitrile to the European seabass. Chemosphere, 2013, 93, 978-985.	8.2	25
54	The last frontier: Coupling technological developments with scientific challenges to improve hazard assessment of deep-sea mining. Science of the Total Environment, 2018, 627, 1505-1514.	8.0	25

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55	An innovative photoreactor, FluHelik, to promote UVC/H2O2 photochemical reactions: Tertiary treatment of an urban wastewater. Science of the Total Environment, 2019, 667, 197-207.	8.0	25
56	Imposex in the Dogwhelk Nucella lapillus (L.) along the Portuguese Coast. Marine Pollution Bulletin, 2000, 40, 643-646.	5.0	24
57	Identifying the gaps: Resources and perspectives on the use of nuclear receptor based-assays to improve hazard assessment of emerging contaminants. Journal of Hazardous Materials, 2018, 358, 508-511.	12.4	24
58	Toxicological assessment of seven unregulated drinking water Disinfection By-products (DBPs) using the zebrafish embryo bioassay. Science of the Total Environment, 2020, 742, 140522.	8.0	24
59	Tissue-specific distribution patterns of retinoids and didehydroretinoids in rainbow trout Oncorhynchus mykiss. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2012, 161, 69-78.	1.6	22
60	Acetaminophen Removal from Water by Microalgae and Effluent Toxicity Assessment by the Zebrafish Embryo Bioassay. Water (Switzerland), 2019, 11, 1929.	2.7	22
61	Cartilaginous fishes offer unique insights into the evolution of the nuclear receptor gene repertoire in gnathostomes. General and Comparative Endocrinology, 2020, 295, 113527.	1.8	22
62	Use of illicit drugs, alcohol and tobacco in Spain and Portugal during the COVID-19 crisis in 2020 as measured by wastewater-based epidemiology. Science of the Total Environment, 2022, 836, 155697.	8.0	22
63	Simvastatin modulates gene expression of key receptors in zebrafish embryos. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2017, 80, 465-476.	2.3	21
64	Evolutionary Exploitation of Vertebrate Peroxisome Proliferator-Activated Receptor γ by Organotins. Environmental Science & Technology, 2018, 52, 13951-13959.	10.0	21
65	Linking chemical exposure to lipid homeostasis: A municipal waste water treatment plant influent is obesogenic for zebrafish larvae. Ecotoxicology and Environmental Safety, 2019, 182, 109406.	6.0	21
66	Retinol Metabolism in the Mollusk Osilinus lineatus Indicates an Ancient Origin for Retinyl Ester Storage Capacity. PLoS ONE, 2012, 7, e35138.	2.5	20
67	Behavioral response of juvenile rainbow trout exposed to an herbicide mixture. Ecotoxicology and Environmental Safety, 2015, 112, 15-21.	6.0	20
68	The retinoic acid receptor (RAR) in molluscs: Function, evolution and endocrine disruption insights. Aquatic Toxicology, 2019, 208, 80-89.	4.0	20
69	Cloning and expression analysis of the 17β hydroxysteroid dehydrogenase type 12 (HSD17B12) in the neogastropod Nucella lapillus. Journal of Steroid Biochemistry and Molecular Biology, 2013, 134, 8-14.	2.5	19
70	Interaction of short-term copper pollution and ocean acidification in seagrass ecosystems: Toxicity, bioconcentration and dietary transfer. Marine Pollution Bulletin, 2019, 142, 155-163.	5.0	18
71	Development of physical modelling tools in support of risk scenarios: A new framework focused on deep-sea mining. Science of the Total Environment, 2019, 650, 2294-2306.	8.0	18
72	Wastewater-based epidemiology as a novel tool to evaluate human exposure to pesticides: Triazines and organophosphates as case studies. Science of the Total Environment, 2021, 793, 148618.	8.0	18

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73	Adaptive evolution of the Retinoid X receptor in vertebrates. Genomics, 2012, 99, 81-89.	2.9	17
74	Does the antidepressant sertraline show chronic effects on aquatic invertebrates at environmentally relevant concentrations? A case study with the keystone amphipod, Gammarus locusta. Ecotoxicology and Environmental Safety, 2019, 183, 109486.	6.0	17
75	Fate, behaviour and weathering of priority HNS in the marine environment: An online tool. Marine Pollution Bulletin, 2016, 111, 330-338.	5.0	16
76	A mollusk VDR/PXR/CAR-like (NR1J) nuclear receptor provides insight into ancient detoxification mechanisms. Aquatic Toxicology, 2016, 174, 61-69.	4.0	16
77	A Novel ceramic tubular membrane coated with a continuous graphene-TiO2 nanocomposite thin-film for CECs mitigation. Chemical Engineering Journal, 2022, 430, 132639.	12.7	16
78	The Origin and Diversity of Cpt1 Genes in Vertebrate Species. PLoS ONE, 2015, 10, e0138447.	2.5	16
79	Estrogenic chemical effects are independent from the degree of sex role reversal in pipefish. Journal of Hazardous Materials, 2013, 263, 746-753.	12.4	15
80	Cloning and functional characterization of a retinoid X receptor orthologue in Platynereis dumerilii: An evolutionary and toxicological perspective. Chemosphere, 2017, 182, 753-761.	8.2	15
81	Chronic exposure to environmentally relevant levels of simvastatin disrupts zebrafish brain gene signaling involved in energy metabolism. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2020, 83, 113-125.	2.3	15
82	Environmental risk assessment of accidental marine spills: A new approach combining an online dynamic Hazardous and Noxious substances database with numerical dispersion, risk and population modelling. Science of the Total Environment, 2020, 715, 136801.	8.0	15
83	Of Retinoids and Organotins: The Evolution of the Retinoid X Receptor in Metazoa. Biomolecules, 2020, 10, 594.	4.0	15
84	Validating a multi-biomarker approach with the shanny Lipophrys pholis to monitor oil spills in European marine ecosystems. Chemosphere, 2010, 81, 685-691.	8.2	13
85	Using early life stages of marine animals to screen the toxicity of priority hazardous and noxious substances. Environmental Science and Pollution Research, 2017, 24, 10510-10518.	5.3	13
86	Transgenerational inheritance of chemical-induced signature: A case study with simvastatin. Environment International, 2020, 144, 106020.	10.0	13
87	Metformin disrupts Danio rerio metabolism at environmentally relevant concentrations: A full life-cycle study. Science of the Total Environment, 2022, 846, 157361.	8.0	13
88	A novel Acetyl-CoA synthetase short-chain subfamily member 1 (Acss1) gene indicates a dynamic history of paralogue retention and loss in vertebrates. Gene, 2012, 497, 249-255.	2.2	12
89	Ecotoxicology of deep-sea environments: Functional and biochemical effects of suspended sediments in the model species Mytilus galloprovincialis under hyperbaric conditions. Science of the Total Environment, 2019, 670, 218-225.	8.0	12
90	Vitellogenin gene expression in the intertidal blenny Lipophrys pholis: A new sentinel species for estrogenic chemical pollution monitoring in the European Atlantic coast?. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2009, 149, 58-64.	2.6	11

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91	The evolutionary road to invertebrate thyroid hormone signaling: Perspectives for endocrine disruption processes. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2019, 223, 124-138.	2.6	11
92	Antagonistic effects of multiple stressors on macroinvertebrate biomass from a temperate estuary (Minho estuary, NW Iberian Peninsula). Ecological Indicators, 2019, 101, 792-803.	6.3	11
93	Using zebrafish embryo bioassays combined with high-resolution mass spectrometry screening to assess ecotoxicological water bodies quality status: A case study in Panama rivers. Chemosphere, 2021, 272, 129823.	8.2	11
94	Drifting towards the surface: A shift in newborn pipefish's vertical distribution when exposed to the synthetic steroid ethinylestradiol. Chemosphere, 2011, 84, 618-624.	8.2	10
95	Management of contaminated marine marketable resources after oil and HNS spills in Europe. Journal of Environmental Management, 2014, 135, 36-44.	7.8	10
96	Retinoid level dynamics during gonad recycling in the limpet Patella vulgata. General and Comparative Endocrinology, 2016, 225, 142-148.	1.8	10
97	LXRα and LXRβ nuclear receptors evolved in the common ancestor of gnathostomes. Genome Biology and Evolution, 2017, 9, evw305.	2.5	10
98	Functional, biochemical and molecular impact of sediment plumes from deep-sea mining on Mytilus galloprovincialis under hyperbaric conditions. Environmental Research, 2021, 195, 110753.	7.5	10
99	Anti-androgenic effects of sewage treatment plant effluents in the prosobranch gastropod Nucella lapillus. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2008, 148, 87-93.	2.6	9
100	An Orthologue of the Retinoic Acid Receptor (RAR) Is Present in the Ecdysozoa Phylum Priapulida. Genes, 2019, 10, 985.	2.4	9
101	The anti-lipidemic drug simvastatin modifies epigenetic biomarkers in the amphipod Gammarus locusta. Ecotoxicology and Environmental Safety, 2021, 209, 111849.	6.0	9
102	Disruptions of circadian rhythms, sleep, and stress responses in zebrafish: New infrared-based activity monitoring assays for toxicity assessment. Chemosphere, 2022, 305, 135449.	8.2	9
103	Ecological modelling and toxicity data coupled to assess population recovery of marine amphipod Gammarus locusta: Application to disturbance by chronic exposure to aniline. Aquatic Toxicology, 2015, 163, 60-70.	4.0	7
104	A simple and sensitive approach to quantify methyl farnesoate in whole arthropods by matrix-solid phase dispersion and gas chromatography–mass spectrometry. Journal of Chromatography A, 2017, 1508, 158-162.	3.7	7
105	17α-ethynilestradiol and tributyltin mixtures modulates the expression of NER and p53 DNA repair pathways in male zebrafish gonads and disrupt offspring embryonic development. Ecological Indicators, 2018, 95, 1008-1018.	6.3	7
106	Evolutionary Plasticity in Detoxification Gene Modules: The Preservation and Loss of the Pregnane X Receptor in Chondrichthyes Lineages. International Journal of Molecular Sciences, 2019, 20, 2331.	4.1	7
107	Transcriptomic data on the transgenerational exposure of the keystone amphipod Gammarus locusta to simvastatin. Data in Brief, 2020, 32, 106248.	1.0	7
108	An ancestral nuclear receptor couple, PPAR-RXR, is exploited by organotins. Science of the Total Environment, 2021, 797, 149044.	8.0	7

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109	The annual cycle of oogenesis in the shanny, <i>Lipophrys pholis</i> (Pisces: Blenniidae). Scientia Marina, 2012, 76, 273-280.	0.6	6
110	Neuroendocrine pathways at risk? Simvastatin induces inter and transgenerational disruption in the keystone amphipod Gammarus locusta. Aquatic Toxicology, 2022, 244, 106095.	4.0	5
111	Prioritizing the Effects of Emerging Contaminants on Estuarine Production under Global Warming Scenarios. Toxics, 2022, 10, 46.	3.7	4
112	Automated analysis of activity, sleep, and rhythmic behaviour in various animal species with the Rtivity software. Scientific Reports, 2022, 12, 4179.	3.3	4
113	Assessment of Water Quality Parameters and their Seasonal Behaviour in a Portuguese Water Supply System: a 6-year Monitoring Study. Environmental Management, 2022, 69, 111-127.	2.7	3
114	A genome assembly of the Atlantic chub mackerel (Scomber colias): aÂvaluable teleost fishing resource. GigaByte, 0, 2022, 1-21.	0.0	3
115	A real-time PCR assay for differential expression of vitellogenin I and II genes in the liver of the sentinel fish speciesLipophrys pholis. Toxicology Mechanisms and Methods, 2013, 23, 591-597.	2.7	2
116	Data collection on the use of embryo bioassays with aquatic animals for toxicity testing and hazard assessment of emerging pollutants. Data in Brief, 2020, 29, 105220.	1.0	2
117	From Extrapolation to Precision Chemical Hazard Assessment: The Ecdysone Receptor Case Study. Toxics, 2022, 10, 6.	3.7	2
118	Comments to "Imposex in Hexaplex (Trunculariopsis) trunculus (Gastropoda: Muricidae) from the Ria Formosa Lagoon (Algarve coast—southern Portugal)― Marine Pollution Bulletin, 2006, 52, 1312-1313.	5.0	1