Santos Mm

List of Publications by Year in descending order

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		109321	175258
118	3,685	35	52
papers	citations	h-index	g-index
122	122	122	3995
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	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
3	Prioritizing the Effects of Emerging Contaminants on Estuarine Production under Global Warming Scenarios. Toxics, 2022, 10, 46.	3.7	4
4	Neuroendocrine pathways at risk? Simvastatin induces inter and transgenerational disruption in the keystone amphipod Gammarus locusta. Aquatic Toxicology, 2022, 244, 106095.	4.0	5
5	Automated analysis of activity, sleep, and rhythmic behaviour in various animal species with the Rtivity software. Scientific Reports, 2022, 12, 4179.	3.3	4
6	From Extrapolation to Precision Chemical Hazard Assessment: The Ecdysone Receptor Case Study. Toxics, 2022, 10, 6.	3.7	2
7	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
8	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
9	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
10	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
11	The anti-lipidemic drug simvastatin modifies epigenetic biomarkers in the amphipod Gammarus locusta. Ecotoxicology and Environmental Safety, 2021, 209, 111849.	6.0	9
12	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
13	New psychoactive substances in several European populations assessed by wastewater-based epidemiology. Water Research, 2021, 195, 116983.	11.3	40
14	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
15	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
16	An ancestral nuclear receptor couple, PPAR-RXR, is exploited by organotins. Science of the Total Environment, 2021, 797, 149044.	8.0	7
17	Transgenerational inheritance of chemical-induced signature: A case study with simvastatin. Environment International, 2020, 144, 106020.	10.0	13
18	Transcriptomic data on the transgenerational exposure of the keystone amphipod Gammarus locusta to simvastatin. Data in Brief, 2020, 32, 106248.	1.0	7

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19	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
20	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
21	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
22	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
23	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
24	Of Retinoids and Organotins: The Evolution of the Retinoid X Receptor in Metazoa. Biomolecules, 2020, 10, 594.	4.0	15
25	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
26	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
27	Acetaminophen Removal from Water by Microalgae and Effluent Toxicity Assessment by the Zebrafish Embryo Bioassay. Water (Switzerland), 2019, 11, 1929.	2.7	22
28	The retinoic acid receptor (RAR) in molluscs: Function, evolution and endocrine disruption insights. Aquatic Toxicology, 2019, 208, 80-89.	4.0	20
29	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
30	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
31	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
32	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
33	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
34	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
35	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
36	An Orthologue of the Retinoic Acid Receptor (RAR) Is Present in the Ecdysozoa Phylum Priapulida. Genes, 2019, 10, 985.	2.4	9

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37	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
38	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
39	$17\hat{l}$ ±-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
40	Fluoxetine modulates the transcription of genes involved in serotonin, dopamine and adrenergic signalling in zebrafish embryos. Chemosphere, 2018, 191, 954-961.	8.2	41
41	Evolutionary Exploitation of Vertebrate Peroxisome Proliferator-Activated Receptor \hat{l}^3 by Organotins. Environmental Science & Environmental Scie	10.0	21
42	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
43	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
44	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
45	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
46	Methyl-triclosan and triclosan impact embryonic development of Danio rerio and Paracentrotus lividus. Ecotoxicology, 2017, 26, 482-489.	2.4	42
47	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
48	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
49	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
50	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
51	Estimation of caffeine intake from analysis of caffeine metabolites in wastewater. Science of the Total Environment, 2017, 609, 1582-1588.	8.0	87
52	Obesogens in the aquatic environment: an evolutionary and toxicological perspective. Environment International, 2017, 106, 153-169.	10.0	40
53	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
54	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

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55	Chronic effects of triclocarban in the amphipod Gammarus locusta: Behavioural and biochemical impairment. Ecotoxicology and Environmental Safety, 2017, 135, 276-283.	6.0	30
56	LXRÎ $_{\pm}$ and LXRÎ $_{2}$ nuclear receptors evolved in the common ancestor of gnathostomes. Genome Biology and Evolution, 2017, 9, evw305.	2.5	10
57	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
58	Evolutionary functional elaboration of the Elovl2/5 gene family in chordates. Scientific Reports, 2016, 6, 20510.	3.3	60
59	Fate, behaviour and weathering of priority HNS in the marine environment: An online tool. Marine Pollution Bulletin, 2016, 111, 330-338.	5.0	16
60	Danio rerio embryos on Prozac \hat{a}_{ij} Effects on the detoxification mechanism and embryo development. Aquatic Toxicology, 2016, 178, 182-189.	4.0	31
61	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
62	Retinoid level dynamics during gonad recycling in the limpet Patella vulgata. General and Comparative Endocrinology, 2016, 225, 142-148.	1.8	10
63	A mollusk VDR/PXR/CAR-like (NR1J) nuclear receptor provides insight into ancient detoxification mechanisms. Aquatic Toxicology, 2016, 174, 61-69.	4.0	16
64	Statins: An undesirable class of aquatic contaminants?. Aquatic Toxicology, 2016, 174, 1-9.	4.0	53
65	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
66	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
67	Chronic effects of clofibric acid in zebrafish (Danio rerio): A multigenerational study. Aquatic Toxicology, 2015, 160, 76-86.	4.0	49
68	Review on hazardous and noxious substances (HNS) involved in marine spill incidentsâ€"An online database. Journal of Hazardous Materials, 2015, 285, 509-516.	12.4	69
69	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
70	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
71	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
72	Behavioral response of juvenile rainbow trout exposed to an herbicide mixture. Ecotoxicology and Environmental Safety, 2015, 112, 15-21.	6.0	20

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73	The Origin and Diversity of Cpt1 Genes in Vertebrate Species. PLoS ONE, 2015, 10, e0138447.	2.5	16
74	A Mollusk Retinoic Acid Receptor (RAR) Ortholog Sheds Light on the Evolution of Ligand Binding. Endocrinology, 2014, 155, 4275-4286.	2.8	43
75	Management of contaminated marine marketable resources after oil and HNS spills in Europe. Journal of Environmental Management, 2014, 135, 36-44.	7.8	10
76	<i>To Bind or Not To Bind</i> : The Taxonomic Scope of Nuclear Receptor Mediated Endocrine Disruption in Invertebrate Phyla. Environmental Science & En	10.0	37
77	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
78	Retinoid metabolism in invertebrates: When evolution meets endocrine disruption. General and Comparative Endocrinology, 2014, 208, 134-145.	1.8	26
79	How mitochondrial dysfunction affects zebrafish development and cardiovascular function: an ⟨i⟩in vivo⟨ i⟩ model for testing mitochondriaâ€targeted drugs. British Journal of Pharmacology, 2013, 169, 1072-1090.	5.4	70
80	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
81	Diversity and history of the long-chain acyl-CoA synthetase (Acsl) gene family in vertebrates. BMC Evolutionary Biology, 2013, 13, 271.	3.2	60
82	Cloning and expression analysis of the $17\hat{l}^2$ hydroxysteroid dehydrogenase type 12 (HSD17B12) in the neogastropod Nucella lapillus. Journal of Steroid Biochemistry and Molecular Biology, 2013, 134, 8-14.	2.5	19
83	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
84	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
85	Adaptive evolution of the Retinoid X receptor in vertebrates. Genomics, 2012, 99, 81-89.	2.9	17
86	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
87	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
88	Retinol Metabolism in the Mollusk Osilinus lineatus Indicates an Ancient Origin for Retinyl Ester Storage Capacity. PLoS ONE, 2012, 7, e35138.	2.5	20
89	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
90	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

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91	The annual cycle of oogenesis in the shanny, <i>Lipophrys pholis</i> (Pisces: Blenniidae). Scientia Marina, 2012, 76, 273-280.	0.6	6
92	Tributyltin-induced imposex in marine gastropods involves tissue-specific modulation of the retinoid X receptor. Aquatic Toxicology, 2011, 101, 221-227.	4.0	76
93	The unpredictable effects of mixtures of androgenic and estrogenic chemicals on fish early life. Environment International, 2011, 37, 418-424.	10.0	49
94	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
95	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
96	Rapid-behaviour responses as a reliable indicator of estrogenic chemical toxicity in zebrafish juveniles. Chemosphere, 2011, 85, 1543-1547.	8.2	26
97	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
98	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
99	Organotin levels in seafood from Portuguese markets and the risk for consumers. Chemosphere, 2009, 75, 661-666.	8.2	43
100	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
101	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
102	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
103	The estrogen receptor of the gastropod Nucella lapillus: Modulation following exposure to an estrogenic effluent?. Aquatic Toxicology, 2007, 84, 465-468.	4.0	43
104	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
105	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
106	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
107	Organotin contamination in the Atlantic Ocean off the Iberian Peninsula in relation to shipping. Chemosphere, 2006, 64, 1100-1108.	8.2	39
108	Urogenital papilla feminization in male Pomatoschistus minutus from two estuaries in northwestern Iberian Peninsula. Marine Environmental Research, 2006, 62, S258-S262.	2.5	30

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109	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
110	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
111	The genomic environment around the Aromatase gene: evolutionary insights. BMC Evolutionary Biology, 2005, 5, 43.	3.2	43
112	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
113	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
114	Measuring lysosomal stability as an effective tool for marine coastal environmental monitoring. Marine Environmental Research, 2004, 58, 741-745.	2.5	30
115	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
116	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
117	Imposex in the Dogwhelk Nucella lapillus (L.) along the Portuguese Coast. Marine Pollution Bulletin, 2000, 40, 643-646.	5.0	24
118	A genome assembly of the Atlantic chub mackerel (Scomber colias): aÂvaluable teleost fishing resource. GigaByte, 0, 2022, 1-21.	0.0	3