

# Thiago Lopes Rocha

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

3,103  
citations

172457

29  
h-index

168389

53  
g-index

83  
all docs

83  
docs citations

83  
times ranked

3791  
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?. <i>Science of the Total Environment</i> , 2018, 645, 1029-1039.	8.0	881
2	Ecotoxicological impact of engineered nanomaterials in bivalve molluscs: An overview. <i>Marine Environmental Research</i> , 2015, 111, 74-88.	2.5	176
3	Developmental toxicity in zebrafish exposed to polyethylene microplastics under static and semi-static aquatic systems. <i>Science of the Total Environment</i> , 2020, 700, 134867.	8.0	127
4	Environmental behaviour and ecotoxicity of quantum dots at various trophic levels: A review. <i>Environment International</i> , 2017, 98, 1-17.	10.0	119
5	How much are microplastics harmful to the health of amphibians? A study with pristine polyethylene microplastics and <i>Physalaemus cuvieri</i> . <i>Journal of Hazardous Materials</i> , 2020, 382, 121066.	12.4	105
6	A multibiomarker approach in the clam <i>Ruditapes decussatus</i> to assess the impact of pollution in the Ria Formosa lagoon, South Coast of Portugal. <i>Marine Environmental Research</i> , 2012, 75, 23-34.	2.5	97
7	The zebrafish embryotoxicity test (ZET) for nanotoxicity assessment: from morphological to molecular approach. <i>Environmental Pollution</i> , 2019, 252, 1841-1853.	7.5	82
8	Immunocytotoxicity, cytogenotoxicity and genotoxicity of cadmium-based quantum dots in the marine mussel <i>Mytilus galloprovincialis</i> . <i>Marine Environmental Research</i> , 2014, 101, 29-37.	2.5	76
9	Genotoxic and mutagenic assessment of iron oxide (maghemite- $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> ) nanoparticle in the guppy <i>Poecilia reticulata</i> . <i>Chemosphere</i> , 2017, 183, 305-314.	8.2	55
10	Toxicity of engineered nanomaterials to aquatic and land snails: A scientometric and systematic review. <i>Chemosphere</i> , 2020, 260, 127654.	8.2	54
11	Histopathological assessment and inflammatory response in the digestive gland of marine mussel <i>Mytilus galloprovincialis</i> exposed to cadmium-based quantum dots. <i>Aquatic Toxicology</i> , 2016, 177, 306-315.	4.0	50
12	Environmental hazard assessment of a marine mine tailings deposit site and potential implications for deep-sea mining. <i>Environmental Pollution</i> , 2017, 228, 169-178.	7.5	50
13	Toxic effects of cisplatin cytostatic drug in mussel <i>Mytilus galloprovincialis</i> . <i>Marine Environmental Research</i> , 2016, 119, 12-21.	2.5	48
14	A glyphosate-based herbicide induces histomorphological and protein expression changes in the liver of the female guppy <i>Poecilia reticulata</i> . <i>Chemosphere</i> , 2017, 168, 933-943.	8.2	46
15	Ecotoxicity of nanomaterials in amphibians: A critical review. <i>Science of the Total Environment</i> , 2019, 686, 332-344.	8.0	45
16	Comparative developmental toxicity of iron oxide nanoparticles and ferric chloride to zebrafish ( <i>Danio rerio</i> ) after static and semi-static exposure. <i>Chemosphere</i> , 2020, 254, 126792.	8.2	45
17	Ecotoxicological assessment of the anticancer drug cisplatin in the polychaete <i>Nereis diversicolor</i> . <i>Science of the Total Environment</i> , 2017, 575, 162-172.	8.0	43
18	Development of an ecotoxicological protocol for the deep-sea fauna using the hydrothermal vent shrimp <i>Rimicaris exoculata</i> . <i>Aquatic Toxicology</i> , 2016, 175, 277-285.	4.0	42

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19	Chronic exposure to cannabidiol induces reproductive toxicity in male Swiss mice. <i>Journal of Applied Toxicology</i> , 2018, 38, 1215-1223.	2.8	40
20	Proteomic and histopathological response in the gills of <i>Poecilia reticulata</i> exposed to glyphosate-based herbicide. <i>Environmental Toxicology and Pharmacology</i> , 2015, 40, 175-186.	4.0	39
21	Tissue specific responses to cadmium-based quantum dots in the marine mussel <i>Mytilus galloprovincialis</i> . <i>Aquatic Toxicology</i> , 2015, 169, 10-18.	4.0	38
22	Behavioral and biochemical consequences of <i>Danio rerio</i> larvae exposure to polylactic acid bioplastic. <i>Journal of Hazardous Materials</i> , 2021, 404, 124152.	12.4	37
23	Gender-specific histopathological response in guppies <i>Poecilia reticulata</i> exposed to glyphosate or its metabolite aminomethylphosphonic acid. <i>Journal of Applied Toxicology</i> , 2017, 37, 1098-1107.	2.8	36
24	Zinc oxide nanoparticles in predicted environmentally relevant concentrations leading to behavioral impairments in male swiss mice. <i>Science of the Total Environment</i> , 2018, 613-614, 653-662.	8.0	36
25	Melanomacrophage response and hepatic histopathologic biomarkers in the guppy <i>Poecilia reticulata</i> exposed to iron oxide (maghemite) nanoparticles. <i>Aquatic Toxicology</i> , 2018, 198, 63-72.	4.0	34
26	Subcellular partitioning kinetics, metallothionein response and oxidative damage in the marine mussel <i>Mytilus galloprovincialis</i> exposed to cadmium-based quantum dots. <i>Science of the Total Environment</i> , 2016, 554-555, 130-141.	8.0	33
27	Acute exposure to environmentally relevant concentrations of benzophenone-3 induced genotoxicity in <i>Poecilia reticulata</i> . <i>Aquatic Toxicology</i> , 2019, 216, 105293.	4.0	33
28	Toxicokinetics and tissue distribution of cadmium-based Quantum Dots in the marine mussel <i>Mytilus galloprovincialis</i> . <i>Environmental Pollution</i> , 2015, 204, 207-214.	7.5	32
29	Zebrafish ( <i>Danio rerio</i> ) using as model for genotoxicity and DNA repair assessments: Historical review, current status and trends. <i>Science of the Total Environment</i> , 2021, 762, 144084.	8.0	31
30	Micro(nano)plastics as an emerging risk factor to the health of amphibian: A scientometric and systematic review. <i>Chemosphere</i> , 2021, 283, 131090.	8.2	31
31	Toxicity evaluation of the combination of emerging pollutants with polyethylene microplastics in zebrafish: Perspective study of genotoxicity, mutagenicity, and redox unbalance. <i>Journal of Hazardous Materials</i> , 2022, 432, 128691.	12.4	31
32	Risk assessment of iron oxide nanoparticles in an aquatic ecosystem: A case study on <i>Biomphalaria glabrata</i> . <i>Journal of Hazardous Materials</i> , 2021, 401, 123398.	12.4	30
33	Co-exposure of iron oxide nanoparticles and glyphosate-based herbicide induces DNA damage and mutagenic effects in the guppy ( <i>Poecilia reticulata</i> ). <i>Environmental Toxicology and Pharmacology</i> , 2021, 81, 103521.	4.0	26
34	Behavioral toxicity of tannery effluent in zebrafish ( <i>Danio rerio</i> ) used as model system. <i>Science of the Total Environment</i> , 2019, 685, 923-933.	8.0	25
35	Zebrafish as an Emerging Model System in the Global South: Two Decades of Research in Brazil. <i>Zebrafish</i> , 2020, 17, 412-425.	1.1	23
36	Microbiome: A forgotten target of environmental micro(nano)plastics?. <i>Science of the Total Environment</i> , 2022, 822, 153628.	8.0	23

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37	Cigarette butt leachate as a risk factor to the health of freshwater bivalve. <i>Chemosphere</i> , 2019, 234, 379-387.	8.2	22
38	Micronucleus test and nuclear abnormality assay in zebrafish ( <i>Danio rerio</i> ): Past, present, and future trends. <i>Environmental Pollution</i> , 2021, 290, 118019.	7.5	21
39	Ecotoxicity of rare earths in the marine mussel <i>Mytilus galloprovincialis</i> and a preliminary approach to assess environmental risk. <i>Ecotoxicology</i> , 2019, 28, 294-301.	2.4	20
40	Molluscicidal activity of polyhexamethylene biguanide hydrochloride on the early-life stages and adults of the <i>Biomphalaria glabrata</i> (Say, 1818). <i>Chemosphere</i> , 2019, 216, 365-371.	8.2	20
41	Ecotoxicological assessment of effluents from Brazilian wastewater treatment plants using zebrafish embryotoxicity test: A multi-biomarker approach. <i>Science of the Total Environment</i> , 2020, 735, 139036.	8.0	20
42	Molluscicidal activity of polyvinylpyrrolidone (PVP)-functionalized silver nanoparticles to <i>Biomphalaria glabrata</i> : Implications for control of intermediate host snail of <i>Schistosoma mansoni</i> . <i>Acta Tropica</i> , 2020, 211, 105644.	2.0	19
43	The intake of water containing a mix of pollutants at environmentally relevant concentrations leads to defensive response deficit in male C57Bl/6J mice. <i>Science of the Total Environment</i> , 2018, 628-629, 186-197.	8.0	18
44	Sediment toxicity assessment using zebrafish ( <i>Danio rerio</i> ) as a model system: Historical review, research gaps and trends. <i>Science of the Total Environment</i> , 2021, 793, 148633.	8.0	18
45	Changes in metallothionein transcription levels in the mussel <i>Mytilus galloprovincialis</i> exposed to CdTe quantum dots. <i>Ecotoxicology</i> , 2018, 27, 402-410.	2.4	13
46	A multibiomarker approach in the caged neotropical fish to assess the environment health in a river of central Brazilian Cerrado. <i>Science of the Total Environment</i> , 2021, 751, 141632.	8.0	13
47	Can nanomaterials induce reproductive toxicity in male mammals? A historical and critical review. <i>Science of the Total Environment</i> , 2021, 769, 144354.	8.0	13
48	Decreasing sperm quality in mice subjected to chronic cannabidiol exposure: New insights of cannabidiol-mediated male reproductive toxicity. <i>Chemico-Biological Interactions</i> , 2022, 351, 109743.	4.0	13
49	Evaluating the reproductive toxicology of tannery effluent in male SWISS mice. <i>Science of the Total Environment</i> , 2019, 648, 1440-1452.	8.0	12
50	Assessing cadmium-based quantum dots effect on the gonads of the marine mussel <i>Mytilus galloprovincialis</i> . <i>Marine Environmental Research</i> , 2020, 156, 104904.	2.5	10
51	Ovary histology and quantification of hemolymph proteins of <i>Rhipicephalus (Boophilus) microplus</i> treated with <i>Melia azedarach</i> . <i>Brazilian Journal of Veterinary Parasitology</i> , 2013, 22, 339-345.	0.7	10
52	InÂvitro activity of 3Î²-O-tigloylmelianol from <i>Guarea kunthiana</i> A. Juss (Meliaceae) on oogenesis and ecdysis of the cattle tick <i>Rhipicephalus (Boophilus) microplus</i> (Canestrini) (Acari: Ixodidae). <i>Experimental Parasitology</i> , 2016, 164, 5-11.	1.2	9
53	Environmentally relevant concentrations of benzophenone-3 induce differential histopathological responses in gills and liver of freshwater fish. <i>Environmental Science and Pollution Research</i> , 2021, 28, 44890-44901.	5.3	9
54	Genotoxic and mutagenic effects of zinc oxide nanoparticles and zinc chloride on tadpoles of <i>Lithobates catesbeianus</i> (Anura: Ranidae). <i>Environmental Nanotechnology, Monitoring and Management</i> , 2020, 14, 100356.	2.9	9

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55	Lauric acid bilayer-functionalized iron oxide nanoparticles disrupt early development of freshwater snail <i>Biomphalaria glabrata</i> (Say, 1818). <i>Acta Tropica</i> , 2022, 229, 106362.	2.0	9
56	Lead toxicity in <i>Lucilia cuprina</i> and electrochemical analysis: a simple and low-cost alternative for forensic investigation. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 3201-3208.	3.7	8
57	EDUCAÇÃO INCLUSIVA E A FORMAÇÃO DE PROFESSORES DE CIÊNCIAS: O PAPEL DAS UNIVERSIDADES FEDERAIS NA CAPACITAÇÃO DOS FUTUROS EDUCADORES. <i>Ensaio Pesquisa Em Educação Em Ciências</i> , 2011, 13, 99-117.	0.4	8
58	Toxicity of plant-based silver nanoparticles to vectors and intermediate hosts: Historical review and trends. <i>Science of the Total Environment</i> , 2022, 834, 155299.	8.0	8
59	Ecotoxicology of Glyphosate-Based Herbicides on Aquatic Environment. , 0, , .		7
60	Titanium dioxide nanoparticles as a risk factor for the health of Neotropical tadpoles: a case study of <i>Dendropsophus minutus</i> (Anura: Hylidae). <i>Environmental Science and Pollution Research</i> , 2022, 29, 50515-50529.	5.3	7
61	Micro(nano)plastics as a vector of pharmaceuticals in aquatic ecosystem: Historical review and future trends. <i>Journal of Hazardous Materials Advances</i> , 2022, 6, 100068.	3.0	7
62	<i>Biomphalaria</i> embryotoxicity test (BET): 60 years of research crossing boundaries for developing standard protocols. <i>Science of the Total Environment</i> , 2022, 833, 155211.	8.0	7
63	Morphologic analysis of developmental phases and gill ontogenesis in neotropical species <i>Poecilia vivipara</i> (Cyprinodontiformes: Poeciliidae) exposed to different salinities. <i>Zoologia</i> , 2010, 27, 554-562.	0.5	6
64	Detection of DNA Damage Induced by Cerium Dioxide Nanoparticles: From Models to Molecular Mechanism Activated. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1048, 215-226.	1.6	6
65	Analyses of the development and glycoproteins present in the ovarian follicles of <i>Poecilia vivipara</i> (Cyprinodontiformes, Poeciliidae). <i>Pesquisa Veterinaria Brasileira</i> , 2011, 31, 87-93.	0.5	5
66	Gonadal histopathology and inflammatory response in the freshwater snail exposed to iron oxide nanoparticles and ferric chloride: Insights into reproductive nanotoxicity. <i>Aquatic Toxicology</i> , 2021, 237, 105910.	4.0	5
67	Zebrafish ( <i>Danio rerio</i> ) meets bioethics: the 10Rs ethical principles in research. <i>Ciencia Animal Brasileira</i> , 0, 23, .	0.3	5
68	The potential reproductive toxicity of tannery effluent to the estrous cycle and ovarian follicular dynamics of female Swiss mice. <i>Environmental Science and Pollution Research</i> , 2018, 25, 36355-36367.	5.3	4
69	Molluscicidal activity of <i>Persea americana</i> Mill. (Lauraceae) stem bark ethanolic extract against the snail <i>Biomphalaria glabrata</i> (Say, 1818): a novel plant-derived molluscicide?. <i>Anais Da Academia Brasileira De Ciencias</i> , 2020, 92, e20200715.	0.8	4
70	<i>In silico</i> -driven identification of novel molluscicides effective against <i>Biomphalaria glabrata</i> (Say, 1818). <i>New Journal of Chemistry</i> , 2020, 44, 16948-16958.	2.8	3
71	Health risk assessment by trace elements in an aquatic system in midwestern Brazil. <i>Research, Society and Development</i> , 2021, 10, e398101019037.	0.1	3
72	Chronic exposure to iron oxide nanoparticles ( $^{59}\text{Fe}2\text{O}_3$ ) induces gonadal histopathology on male guppies ( <i>Poecilia reticulata</i> ). <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100522.	2.9	2

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73	New Insights into the Gametogenesis of <i>Biomphalaria glabrata</i> (Mollusca, Gastropoda, Pulmonata): Implications for Histopathological Assessment. <i>Brazilian Archives of Biology and Technology</i> , 0, 64, .	0.5	1
74	Gene resistance profile and multidrug-resistant bacteria isolated from a stream in midwestern Brazil. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2022, 18, 100688.	2.9	1
75	The influence of environmental factors on <i>Clinostomum</i> sp. (Digenea) infection in the fish <i>Cichlasoma paranaense</i> (Kullander, 1983) in Central Brazil. <i>Anais Da Academia Brasileira De Ciencias</i> , 2022, 94, e20200872.	0.8	1
76	Pseudobrânquia do guaru <i>Poecilia reticulata</i> (Peter, 1859): análise estrutural, morfológica e histoquímica para detecção de glicoconjugados. <i>Pesquisa Veterinaria Brasileira</i> , 2013, 33, 669-673.	0.5	0
77	Bactérias tolerantes a metais. <i>Research, Society and Development</i> , 2021, 10, e40510615831.	0.1	0
78	MIOGÊNese DO TECIDO MUSCULAR BRANQUIAL DO PEIXE EURIALINO <i>Poecilia vivipara</i> (Cyprinodontiformes, Poeciliidae) EXPOSTO À SALINIDADE. <i>Ciencia Animal Brasileira</i> , 2011, 12, .	0.3	0
79	Toxicologia reprodutiva de machos de camundongos Swiss expostos à efluente de curtume. <i>Multi-Science Journal</i> , 2017, 1, 33.	0.1	0
80	Potential Ecotoxicological Risk of Nanopharmaceuticals in the Aquatic Environment. <i>Environmental Chemistry for A Sustainable World</i> , 2021, , 289-317.	0.5	0
81	Transmission route used by parasitic lasidium larvae of the freshwater mussel <i>Anodontites trapesialis</i> on guppies <i>Poecilia reticulata</i> during short cohabitation. <i>Helminthologia</i> , 2022, 59, 104-110.	0.9	0