

# Eduardo Alves de Almeida

## List of Publications by Citations

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105  
papers

2,746  
citations

28  
h-index

48  
g-index

114  
ext. papers

3,162  
ext. citations

4.9  
avg, IF

4.9  
L-index

#	Paper	IF	Citations
105	Oxidative stress in <i>Perna perna</i> and other bivalves as indicators of environmental stress in the Brazilian marine environment: antioxidants, lipid peroxidation and DNA damage. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2007</b> , 146, 588-600	2.6	178
104	Oxidative and alkylating damage in DNA. <i>Mutation Research - Reviews in Mutation Research</i> , <b>2003</b> , 544, 115-27	7	163
103	Oxidative stress in the mussel <i>Mytella guyanensis</i> from polluted mangroves on Santa Catarina Island, Brazil. <i>Marine Pollution Bulletin</i> , <b>2002</b> , 44, 923-32	6.7	160
102	Protective effect of phospholipid hydroperoxide glutathione peroxidase (PHGPx) against lipid peroxidation in mussels <i>Perna perna</i> exposed to different metals. <i>Marine Pollution Bulletin</i> , <b>2004</b> , 49, 386-92	6.7	131
101	Oxidative stress in digestive gland and gill of the brown mussel ( <i>Perna perna</i> ) exposed to air and re-submersed. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2005</b> , 318, 21-30	2.1	116
100	Measurement of melatonin in body fluids: standards, protocols and procedures. <i>Childs Nervous System</i> , <b>2011</b> , 27, 879-91	1.7	84
99	Inhibition of 5-aminolevulinic acid-induced DNA damage by melatonin, N1-acetyl-N2-formyl-5-methoxykynuramine, quercetin or resveratrol. <i>Journal of Pineal Research</i> , <b>2005</b> , 38, 107-15	10.4	73
98	Effects of malathion and cadmium on acetylcholinesterase activity and metallothionein levels in the fish <i>Seriola dumerilli</i> . <i>Fish Physiology and Biochemistry</i> , <b>2006</b> , 32, 93-8	2.7	71
97	Oxidative stress in sickle cell disease: an overview of erythrocyte redox metabolism and current antioxidant therapeutic strategies. <i>Free Radical Biology and Medicine</i> , <b>2013</b> , 65, 1101-1109	7.8	70
96	Assessment of Doñana National Park contamination in <i>Procambarus clarkii</i> : integration of conventional biomarkers and proteomic approaches. <i>Science of the Total Environment</i> , <b>2009</b> , 407, 1784-97	10.2	65
95	Oxidation of melatonin by singlet molecular oxygen ( $O_2(1\Delta g)$ ) produces N1-acetyl-N2-formyl-5-methoxykynurenine. <i>Journal of Pineal Research</i> , <b>2003</b> , 35, 131-7	10.4	63
94	In vitro and in vivo inhibition of acetylcholinesterase and carboxylesterase by metals in zebrafish ( <i>Danio rerio</i> ). <i>Marine Environmental Research</i> , <b>2013</b> , 91, 45-51	3.3	60
93	Biochemical biomarkers and metals in <i>Perna perna</i> mussels from mariculture zones of Santa Catarina, Brazil. <i>Ecotoxicology and Environmental Safety</i> , <b>2010</b> , 73, 796-804	7	55
92	Salinity influences glutathione S-transferase activity and lipid peroxidation responses in the <i>Crassostrea gigas</i> oyster exposed to diesel oil. <i>Science of the Total Environment</i> , <b>2011</b> , 409, 1976-83	10.2	53
91	Oxidative DNA damage levels and catalase activity in the clam <i>Ruditapes decussatus</i> as pollution biomarkers of Tunisian marine environment. <i>Environmental Monitoring and Assessment</i> , <b>2007</b> , 124, 195-200	2.1	49
90	A tiered approach to assess effects of diclofenac on the brown mussel <i>Perna perna</i> : A contribution to characterize the hazard. <i>Water Research</i> , <b>2018</b> , 132, 361-370	12.5	43
89	Doñana National Park survey using crayfish ( <i>Procambarus clarkii</i> ) as bioindicator: esterase inhibition and pollutant levels. <i>Toxicology Letters</i> , <b>2007</b> , 168, 260-8	4.4	42

88	Biochemical effects of fipronil and its metabolites on lipid peroxidation and enzymatic antioxidant defense in tadpoles ( <i>Eupemphix nattereri</i> : Leiuperidae). <i>Ecotoxicology and Environmental Safety</i> , <b>2017</b> , 136, 173-179	7	38
87	Oxidative stress in Nile tilapia ( <i>Oreochromis niloticus</i> ) and armored catfish ( <i>Pterygoplichthys anisitsi</i> ) exposed to diesel oil. <i>Environmental Monitoring and Assessment</i> , <b>2011</b> , 180, 243-55	3.1	37
86	Relationship between oxidative stress, glutathione S-transferase polymorphisms and hydroxyurea treatment in sickle cell anemia. <i>Blood Cells, Molecules, and Diseases</i> , <b>2011</b> , 47, 23-8	2.1	36
85	Effects of aerial exposure on antioxidant defenses in the brown mussel <i>Perna perna</i> . <i>Brazilian Archives of Biology and Technology</i> , <b>2006</b> , 49, 225-229	1.8	36
84	Biochemical responses in farmed mussel <i>Perna perna</i> transplanted to contaminated sites on Santa Catarina Island, SC, Brazil. <i>Marine Environmental Research</i> , <b>2000</b> , 50, 411-6	3.3	36
83	Effects of ammonia stress in the Amazon river shrimp <i>Macrobrachium amazonicum</i> (Decapoda, Palaemonidae). <i>Aquatic Toxicology</i> , <b>2016</b> , 170, 13-23	5.1	35
82	Hypoxia effects on oxidative stress and immunocompetence biomarkers in the mussel <i>Perna perna</i> (Mytilidae, Bivalvia). <i>Marine Environmental Research</i> , <b>2017</b> , 126, 109-115	3.3	34
81	Exposure to phenanthrene and depuration: Changes on gene transcription, enzymatic activity and lipid peroxidation in gill of scallops <i>Nodipecten nodosus</i> . <i>Aquatic Toxicology</i> , <b>2016</b> , 177, 146-55	5.1	33
80	Biochemical biomarkers in <i>Oreochromis niloticus</i> exposed to mixtures of benzo[a]pyrene and diazinon. <i>Ecotoxicology and Environmental Safety</i> , <b>2010</b> , 73, 858-63	7	32
79	Anti-androgenic activities of diuron and its metabolites in male Nile tilapia ( <i>Oreochromis niloticus</i> ). <i>Aquatic Toxicology</i> , <b>2015</b> , 164, 10-5	5.1	29
78	Diuron metabolites act as endocrine disruptors and alter aggressive behavior in Nile tilapia ( <i>Oreochromis niloticus</i> ). <i>Chemosphere</i> , <b>2018</b> , 191, 832-838	8.4	29
77	Biochemical biomarkers in <i>Scinax fuscovarius</i> tadpoles exposed to a commercial formulation of the pesticide fipronil. <i>Marine Environmental Research</i> , <b>2013</b> , 91, 61-7	3.3	28
76	How heat stress (continuous or cyclical) interferes with nutrient digestibility, energy and nitrogen balances and performance in broilers. <i>Livestock Science</i> , <b>2016</b> , 192, 39-43	1.7	27
75	Effects of parabens on antioxidant system and oxidative damages in Nile tilapia ( <i>Oreochromis niloticus</i> ). <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 162, 85-91	7	27
74	Influence of Temperature on the Thyroidogenic Effects of Diuron and Its Metabolite 3,4-DCA in Tadpoles of the American Bullfrog ( <i>Lithobates catesbeianus</i> ). <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 13095-13104	10.3	26
73	Gills as a glutathione-dependent metabolic barrier in Pacific oysters <i>Crassostrea gigas</i> : Absorption, metabolism and excretion of a model electrophile. <i>Aquatic Toxicology</i> , <b>2016</b> , 173, 105-119	5.1	26
72	Prostate hyperplasia caused by long-term obesity is characterized by high deposition of extracellular matrix and increased content of MMP-9 and VEGF. <i>International Journal of Experimental Pathology</i> , <b>2015</b> , 96, 21-30	2.8	24
71	Measurement of melatonin and its metabolites: importance for the evaluation of their biological roles. <i>Endocrine</i> , <b>2005</b> , 27, 111-8		24

70	The influence of hydroxyurea on oxidative stress in sickle cell anemia. <i>Revista Brasileira De Hematologia E Hemoterapia</i> , <b>2012</b> , 34, 421-5		24
69	Synthesis of internal labeled standards of melatonin and its metabolite N1-acetyl-N2-formyl-5-methoxykynuramine for their quantification using an on-line liquid chromatography-electrospray tandem mass spectrometry system. <i>Journal of Pineal Research</i> , <b>2004</b> , 36, 64-71	10.4	23
68	Biochemical biomarkers in Nile tilapia ( <i>Oreochromis niloticus</i> ) after short-term exposure to diesel oil, pure biodiesel and biodiesel blends. <i>Chemosphere</i> , <b>2011</b> , 85, 97-105	8.4	22
67	Biochemical and proteomic effects in <i>Procambarus clarkii</i> after chlorpyrifos or carbaryl exposure under sublethal conditions. <i>Biomarkers</i> , <b>2009</b> , 14, 299-310	2.6	21
66	Effects of trace metal and exposure to air on serotonin and dopamine levels in tissues of the mussel <i>Perna perna</i> . <i>Marine Pollution Bulletin</i> , <b>2003</b> , 46, 1485-90	6.7	21
65	Metal bioaccumulation, oxidative stress and antioxidant responses in oysters <i>Crassostrea gasar</i> transplanted to an estuary in southern Brazil. <i>Science of the Total Environment</i> , <b>2019</b> , 685, 332-344	10.2	20
64	Oxidative stress and antioxidant capacity in sickle cell anaemia patients receiving different treatments and medications for different periods of time. <i>Annals of Hematology</i> , <b>2012</b> , 91, 479-89	3	20
63	In vitro exposure to fullerene C(60) influences redox state and lipid peroxidation in brain and gills from <i>Cyprinus carpio</i> (Cyprinidae). <i>Environmental Toxicology and Chemistry</i> , <b>2012</b> , 31, 961-7	3.8	20
62	Esterases as pesticide biomarkers in crayfish ( <i>Procambarus clarkii</i> , Crustacea): tissue distribution, sensitivity to model compounds and recovery from inactivation. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2007</b> , 145, 404-12	3.2	20
61	Estrogenic activities of diuron metabolites in female Nile tilapia ( <i>Oreochromis niloticus</i> ). <i>Chemosphere</i> , <b>2016</b> , 146, 497-502	8.4	20
60	Isolated and mixed effects of diuron and its metabolites on biotransformation enzymes and oxidative stress response of Nile tilapia ( <i>Oreochromis niloticus</i> ). <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 149, 248-256	7	19
59	Combined effects of temperature and clomazone (Gamit) on oxidative stress responses and B-esterase activity of <i>Physalaemus nattereri</i> (Leiuperidae) and <i>Rhinella schneideri</i> (Bufonidae) tadpoles. <i>Chemosphere</i> , <b>2017</b> , 185, 548-562	8.4	19
58	Effect of Melatonin Intake on Oxidative Stress Biomarkers in Male Reproductive Organs of Rats under Experimental Diabetes. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2015</b> , 2015, 614579	6.7	19
57	Neurotoxicity in zebrafish exposed to carbon nanotubes: Effects on neurotransmitters levels and antioxidant system. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2019</b> , 218, 30-35	3.2	19
56	Direct evidence of singlet molecular oxygen [O <sub>2</sub> ( <sup>1</sup> O)] production in the reaction of acetonitrile with hydrogen peroxide in alkaline solutions. <i>Analytica Chimica Acta</i> , <b>2003</b> , 482, 99-104	6.6	18
55	Estrogenic and anti-androgenic effects of the herbicide tebuthiuron in male Nile tilapia ( <i>Oreochromis niloticus</i> ). <i>Aquatic Toxicology</i> , <b>2018</b> , 194, 86-93	5.1	18
54	Esterase inhibition in tadpoles of <i>Scinax fuscovarius</i> (Anura, Hylidae) as a biomarker for exposure to organophosphate pesticides. <i>Environmental Science and Pollution Research</i> , <b>2010</b> , 17, 1411-21	5.1	17
53	Evaluation of melatonin and AFMK levels in women with breast cancer. <i>Endocrine</i> , <b>2018</b> , 62, 242-249	4	17

52	Biochemical responses in armored catfish ( <i>Pterygoplichthys anisitsi</i> ) after short-term exposure to diesel oil, pure biodiesel and biodiesel blends. <i>Chemosphere</i> , <b>2013</b> , 93, 311-9	8.4	15
51	DNA and lipid damage in the brown mussel <i>Perna perna</i> from a contaminated site. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2003</b> , 71, 270-5	2.7	15
50	DNA damage in digestive gland and mantle tissue of the mussel <i>Perna perna</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2003</b> , 135C, 295-303	3.2	15
49	Poultry rearing on perforated plastic floors and the effect on air quality, growth performance, and carcass injuries-Experiment 1: Thermal Comfort. <i>Poultry Science</i> , <b>2017</b> , 96, 3155-3162	3.9	14
48	Effects of alkylphenols on the biotransformation of diuron and enzymes involved in the synthesis and clearance of sex steroids in juvenile male tilapia ( <i>Oreochromis mossambica</i> ). <i>Aquatic Toxicology</i> , <b>2016</b> , 180, 345-352	5.1	13
47	Biochemical responses, morphometric changes, genotoxic effects and CYP1A expression in the armored catfish <i>Pterygoplichthys anisitsi</i> after 15 days of exposure to mineral diesel and biodiesel. <i>Ecotoxicology and Environmental Safety</i> , <b>2015</b> , 115, 26-32	7	13
46	Oxidative stress markers and apoptosis in the prostate of diabetic rats and the influence of vitamin C treatment. <i>Journal of Cellular Biochemistry</i> , <b>2012</b> , 113, 2223-33	4.7	13
45	Decreased malondialdehyde levels in fish ( <i>Astyanax altiparanae</i> ) exposed to diesel: Evidence of metabolism by aldehyde dehydrogenase in the liver and excretion in water. <i>Ecotoxicology and Environmental Safety</i> , <b>2020</b> , 190, 110107	7	13
44	Genetic and biochemical markers of hydroxyurea therapeutic response in sickle cell anemia. <i>BMC Medical Genetics</i> , <b>2013</b> , 14, 108	2.1	12
43	Potential utility of melatonin as an antioxidant therapy in the management of sickle cell anemia. <i>Journal of Pineal Research</i> , <b>2015</b> , 58, 178-88	10.4	12
42	Serum melatonin level and oxidative stress in sickle cell anemia. <i>Blood Cells, Molecules, and Diseases</i> , <b>2010</b> , 45, 297-301	2.1	12
41	Biochemical and molecular responses in oysters <i>Crassostrea brasiliana</i> collected from estuarine aquaculture areas in Southern Brazil. <i>Marine Pollution Bulletin</i> , <b>2018</b> , 135, 110-118	6.7	11
40	Interaction of curcumin with manganese may compromise metal and neurotransmitter homeostasis in the hippocampus of young mice. <i>Biological Trace Element Research</i> , <b>2014</b> , 158, 399-409	4.5	11
39	Herbicides employed in sugarcane plantations have lethal and sublethal effects to larval <i>Boana pardalis</i> (Amphibia, Hylidae). <i>Ecotoxicology</i> , <b>2020</b> , 29, 1043-1051	2.9	10
38	Effects of re-stripping on the seminal characteristics of pacu ( <i>Piaractus mesopotamicus</i> ) during the breeding season. <i>General and Comparative Endocrinology</i> , <b>2016</b> , 225, 162-173	3	10
37	Molecular and cellular effects of temperature in oysters <i>Crassostrea brasiliana</i> exposed to phenanthrene. <i>Chemosphere</i> , <b>2018</b> , 209, 307-318	8.4	10
36	Characterization of esterase patterns in hepatopancreas of three species of <i>Macrobrachium</i> (Palaemonidae). <i>Biochemical Systematics and Ecology</i> , <b>2013</b> , 47, 132-138	1.4	10
35	Antioxidant Defense System of Tadpoles ( <i>Eupemphix nattereri</i> ) Exposed to Changes in Temperature and pH. <i>Zoological Science</i> , <b>2016</b> , 33, 186-94	0.8	10

34	Stress responses in <i>Crassostrea gasar</i> exposed to combined effects of acute pH changes and phenanthrene. <i>Science of the Total Environment</i> , <b>2019</b> , 678, 585-593	10.2	9
33	Oxidative stress in patients with refractory temporal lobe epilepsy and mesial temporal sclerosis: Possible association with major depressive disorder?. <i>Epilepsy and Behavior</i> , <b>2018</b> , 80, 191-196	3.2	9
32	Biochemical responses in mussels <i>Perna perna</i> exposed to diesel B5. <i>Chemosphere</i> , <b>2015</b> , 134, 210-6	8.4	9
31	Thermal comfort in reduced models of broilers houses, under different types of roofing materials. <i>Engenharia Agricola</i> , <b>2013</b> , 33, 19-27	0.6	9
30	Pollution-induced metabolic responses in hypoxia-tolerant freshwater turtles. <i>Ecotoxicology and Environmental Safety</i> , <b>2013</b> , 97, 1-9	7	8
29	Evaluation of Malondialdehyde Levels <b>2011</b> , 440-447		8
28	Evaluation of Diuron Tolerance and Biotransformation by Fungi from a Sugar Cane Plantation Sandy-Loam Soil. <i>Journal of Agricultural and Food Chemistry</i> , <b>2016</b> , 64, 9268-9275	5.7	8
27	Effects of captivity and eyestalk ablation on antioxidant status of shrimps ( <i>Farfantepenaeus paulensis</i> ). <i>Aquaculture</i> , <b>2004</b> , 238, 523-528	4.4	7
26	Influence of temperature on the antioxidant responses and lipid peroxidation of two species of tadpoles ( <i>Rhinella schneideri</i> and <i>Physalaemus nattereri</i> ) exposed to the herbicide sulfentrazone (Boral 500SC). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2017</b> , 197, 32-44	3.2	6
25	E2 potentializes benzo(a)pyrene-induced hepatic cytochrome P450 enzyme activities in Nile tilapia at high concentrations. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 17367-74	5.1	6
24	Short-term spatiotemporal biomarker changes in oysters transplanted to an anthropized estuary in Southern Brazil. <i>Science of the Total Environment</i> , <b>2020</b> , 709, 136042	10.2	6
23	Oxidative stress, biotransformation enzymes and histopathological alterations in Nile tilapia ( <i>Oreochromis niloticus</i> ) exposed to new and used automotive lubricant oil. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2020</b> , 234, 108770	3.2	5
22	Eye malformation baseline in <i>Scinax fuscovarius</i> larvae populations that inhabit agroecosystem ponds in southern Brazil. <i>Amphibia - Reptilia</i> , <b>2018</b> , 39, 325-334	1.2	5
21	Prevalence of $\beta$ -globin gene haplotypes, $\beta$ -thalassemia (3.7 kb deletion) and redox status in patients with sickle cell anemia in the state of Parana, Brazil. <i>Genetics and Molecular Biology</i> , <b>2015</b> , 38, 316-23	2	5
20	Evaluation of Glutathione Status in Aquatic Organisms <b>2011</b> , 381-388		5
19	Impact of genetic polymorphisms in key enzymes of homocysteine metabolism on the pathophysiology of sickle cell anemia. <i>Free Radical Biology and Medicine</i> , <b>2017</b> , 106, 53-61	7.8	4
18	Effects of methylphenidate on the aggressive behavior, serotonin and dopamine levels, and dopamine-related gene transcription in brain of male Nile tilapia ( <i>Oreochromis niloticus</i> ). <i>Fish Physiology and Biochemistry</i> , <b>2019</b> , 45, 1377-1391	2.7	4
17	Fullerene and omega-3 and omega-6 fatty acids on fish brain antioxidant status. <i>Fish Physiology and Biochemistry</i> , <b>2012</b> , 38, 1477-85	2.7	4



16	Prolonged erythrocyte auto-incubation as an alternative model for oxidant generation system. <i>Toxicology in Vitro</i> , <b>2019</b> , 56, 62-74	3.6	4
15	Evaluation of reflective painting of the roof and artificial ventilation on performance and carcass yield of broilers. <i>Revista Brasileira De Zootecnia</i> , <b>2012</b> , 41, 1769-1774	1.2	2
14	Fish biomarker responses to perturbation by drought in streams. <i>Neotropical Ichthyology</i> , <b>2020</b> , 18,	1.3	2
13	Research Article Genetic and biochemical biomarkers related to oxidative stress in patients with schizophrenia. <i>Genetics and Molecular Research</i> , <b>2019</b> , 18,	1.2	2
12	Oxidative stress biomarkers in treatment-responsive and treatment-resistant schizophrenia patients.. <i>Trends in Psychiatry and Psychotherapy</i> , <b>2021</b> , 43, 278-285	2.3	2
11	Thermal behavior of alternative materials used as roof and efficiency of the reflective painting on the external face. <i>Revista Facultad De Ingeniería</i> , <b>2017</b> , 68-73	1	1
10	Influence of temperature on biomarker responses and histology of the liver of American bullfrog tadpoles ( <i>Lithobates catesbeianus</i> , Shaw, 1802) exposed to the herbicide Tebuthiuron. <i>Science of the Total Environment</i> , <b>2021</b> , 771, 144971	10.2	1
9	Influence of rearing temperature and feed format in the development of the pendulous crop in broilers. <i>Poultry Science</i> , <b>2018</b> , 97, 3556-3563	3.9	1
8	Environmentally realistic concentrations of cocaine in seawater disturbed neuroendocrine parameters and energy status in the marine mussel <i>Perna perna</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2022</b> , 251, 109198	3.2	1
7	Relationship between adenosine deaminase polymorphism (c.22G > A) and oxidative stress in sickle cell anemia. <i>Meta Gene</i> , <b>2017</b> , 11, 172-177	0.7	
6	Effect of mixture of diazinon and benzo[a]pyrene in Glutathione S-transferase of Nile tilapia. <i>Mundo Da Saude</i> , <b>2014</b> , 9-15	1.8	
5	Influence of B allele in the lipid peroxidation and antioxidant capacity parameters. <i>International Journal of Laboratory Hematology</i> , <b>2014</b> , 36, 205-12	2.5	
4	Evaluation of Oxidative DNA Damage in Aquatic Animals: Comet Assays and 8-Oxo-7,8-Dihydro-2'-Deoxyguanosine Levels <b>2011</b> , 465-474		
3	Carotenoid Analysis and Identification in Marine Animals <b>2011</b> , 402-411		
2	Evaluation of DNA Adducts Formed by Lipid Peroxidation by-Products <b>2011</b> , 475-486		
1	Role of Singlet Molecular Oxygen in the Oxidative Damage to Biomolecules <b>2011</b> , 344-358		