Eduardo Alves de Almeida

List of Publications by Year
in descending order

103	3,613	117571	155592
papers	citations	34 h-index	55 g-index

114	114	114	4254
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Oxidative stress in Perna perna and other bivalves as indicators of environmental stress in the Brazilian marine environment: Antioxidants, lipid peroxidation and DNA damage. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2007, 146, 588-600.	0.8	214
2	Oxidative and alkylating damage in DNA. Mutation Research - Reviews in Mutation Research, 2003, 544, 115-127.	2.4	190
3	Oxidative stress in the mussel Mytella guyanensis from polluted mangroves on Santa Catarina Island, Brazil. Marine Pollution Bulletin, 2002, 44, 923-932.	2.3	182
4	Protective effect of phospholipid hydroperoxide glutathione peroxidase (PHGPx) against lipid peroxidation in mussels Perna perna exposed to different metals. Marine Pollution Bulletin, 2004, 49, 386-392.	2.3	148
5	Oxidative stress in digestive gland and gill of the brown mussel (Perna perna) exposed to air and re-submersed. Journal of Experimental Marine Biology and Ecology, 2005, 318, 21-30.	0.7	147
6	Measurement of melatonin in body fluids: Standards, protocols and procedures. Child's Nervous System, 2011, 27, 879-891.	0.6	111
7	InÂvitro and inÂvivo inhibition of acetylcholinesterase and carboxylesterase by metals in zebrafish (Danio rerio). Marine Environmental Research, 2013, 91, 45-51.	1.1	89
8	Oxidative stress in sickle cell disease: An overview of erythrocyte redox metabolism and current antioxidant therapeutic strategies. Free Radical Biology and Medicine, 2013, 65, 1101-1109.	1.3	86
9	Inhibition of 5-aminolevulinic acid-induced DNA damage by melatonin, N1-acetyl-N2-formyl-5-methoxykynuramine, quercetin or resveratrol. Journal of Pineal Research, 2005, 38, 107-115.	3.4	83
10	Effects of malathion and cadmium on acetylcholinesterase activity and metallothionein levels in the fish Seriola dumerilli. Fish Physiology and Biochemistry, 2006, 32, 93-98.	0.9	83
11	Assessment of DoÃ±ana National Park contamination in Procambarus clarkii: Integration of conventional biomarkers and proteomic approaches. Science of the Total Environment, 2009, 407, 1784-1797.	3.9	81
12	Oxidation of melatonin by singlet molecular oxygen (O2(1Deltag)) produces N1-acetyl-N2-formyl-5-methoxykynurenine. Journal of Pineal Research, 2003, 35, 131-137.	3.4	73
13	Salinity influences glutathione S-transferase activity and lipid peroxidation responses in the Crassostrea gigas oyster exposed to diesel oil. Science of the Total Environment, 2011, 409, 1976-1983.	3.9	71
14	Biochemical biomarkers and metals in Perna perna mussels from mariculture zones of Santa Catarina, Brazil. Ecotoxicology and Environmental Safety, 2010, 73, 796-804.	2.9	64
15	A tiered approach to assess effects of diclofenac on the brown mussel Perna perna: A contribution to characterize the hazard. Water Research, 2018, 132, 361-370.	5.3	59
16	Oxidative DNA damage levels and catalase activity in the clam Ruditapes decussatus as pollution biomarkers of Tunisian marine environment. Environmental Monitoring and Assessment, 2007, 124, 195-200.	1.3	55
17	Hypoxia effects on oxidative stress and immunocompetence biomarkers in the mussel Perna perna (Mytilidae, Bivalvia). Marine Environmental Research, 2017, 126, 109-115.	1.1	54
18	Biochemical effects of fipronil and its metabolites on lipid peroxidation and enzymatic antioxidant defense in tadpoles (Eupemphix nattereri: Leiuperidae). Ecotoxicology and Environmental Safety, 2017, 136, 173-179.	2.9	50

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19	Effects of parabens on antioxidant system and oxidative damages in Nile tilapia (Oreochromis) Tj ETQq1 1 0.784314 rgBT /Overlock 1	2.9	50
20	DoÃ±ana National Park survey using crayfish (Procambarus clarkii) as bioindicator: Esterase inhibition and pollutant levels. Toxicology Letters, 2007, 168, 260-268.	0.4	48
21	Exposure to phenanthrene and depuration: Changes on gene transcription, enzymatic activity and lipid peroxidation in gill of scallops Nodipecten nodosus. Aquatic Toxicology, 2016, 177, 146-155.	1.9	48
22	How heat stress (continuous or cyclical) interferes with nutrient digestibility, energy and nitrogen balances and performance in broilers. Livestock Science, 2016, 192, 39-43.	0.6	45
23	Effects of ammonia stress in the Amazon river shrimp Macrobrachium amazonicum (Decapoda,) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.9	45
24	Relationship between oxidative stress, glutathione S-transferase polymorphisms and hydroxyurea treatment in sickle cell anemia. Blood Cells, Molecules, and Diseases, 2011, 47, 23-28.	0.6	44
25	Oxidative stress in Nile tilapia (Oreochromis niloticus) and armored catfish (Pterygoplichthys) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.3	44
26	Effects of aerial exposure on antioxidant defenses in the brown mussel Perna perna. Brazilian Archives of Biology and Technology, 2006, 49, 225-229.	0.5	43
27	Biochemical biomarkers in Scinax fuscovarius tadpoles exposed to a commercial formulation of the pesticide fipronil. Marine Environmental Research, 2013, 91, 61-67.	1.1	42
28	Biochemical responses in farmed mussel Perna perna transplanted to contaminated sites on Santa Catarina Island, SC, Brazil. Marine Environmental Research, 2000, 50, 411-416.	1.1	41
29	Diuron metabolites act as endocrine disruptors and alter aggressive behavior in Nile tilapia (Oreochromis niloticus). Chemosphere, 2018, 191, 832-838.	4.2	41
30	Influence of Temperature on the Thyroidogenic Effects of Diuron and Its Metabolite 3,4-DCA in Tadpoles of the American Bullfrog (Lithobates catesbeianus). Environmental Science & Technology, 2016, 50, 13095-13104.	4.6	40
31	Anti-androgenic activities of diuron and its metabolites in male Nile tilapia (Oreochromis niloticus). Aquatic Toxicology, 2015, 164, 10-15.	1.9	39
32	Measurement of Melatonin and its Metabolites: Importance for the Evaluation of Their Biological Roles. Endocrine, 2005, 27, 111-118.	2.2	37
33	Prostate hyperplasia caused by longâ€term obesity is characterized by high deposition of extracellular matrix and increased content of <scp>MMP</scp>â€9 and <scp>VEGF</scp>. International Journal of Experimental Pathology, 2015, 96, 21-30.	0.6	37
34	Metal bioaccumulation, oxidative stress and antioxidant responses in oysters Crassostrea gasar transplanted to an estuary in southern Brazil. Science of the Total Environment, 2019, 685, 332-344.	3.9	36
35	Decreased malondialdehyde levels in fish (Astyanax altiparanae) exposed to diesel: Evidence of metabolism by aldehyde dehydrogenase in the liver and excretion in water. Ecotoxicology and Environmental Safety, 2020, 190, 110107.	2.9	36
36	Biochemical biomarkers in Oreochromis niloticus exposed to mixtures of benzo[a]pyrene and diazinon.. Ecotoxicology and Environmental Safety, 2010, 73, 858-863.	2.9	35

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37	Combined effects of temperature and clomazone (GamitÂ®) on oxidative stress responses and B-esterase activity of Physalaemus nattereri (Leiuperidae) and Rhinella schneideri (Bufonidae) tadpoles. Chemosphere, 2017, 185, 548-562.	4.2	33
38	Gills as a glutathione-dependent metabolic barrier in Pacific oysters Crassostrea gigas : Absorption, metabolism and excretion of a model electrophile. Aquatic Toxicology, 2016, 173, 105-119.	1.9	32
39	Neurotoxicity in zebrafish exposed to carbon nanotubes: Effects on neurotransmitters levels and antioxidant system. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2019, 218, 30-35.	1.3	32
40	Effects of trace metal and exposure to air on serotonin and dopamine levels in tissues of the mussel Perna perna. Marine Pollution Bulletin, 2003, 46, 1485-1490.	2.3	31
41	Estrogenic activities of diuron metabolites in female Nile tilapia (Oreochromis niloticus). Chemosphere, 2016, 146, 497-502.	4.2	30
42	Isolated and mixed effects of diuron and its metabolites on biotransformation enzymes and oxidative stress response of Nile tilapia (Oreochromis niloticus). Ecotoxicology and Environmental Safety, 2018, 149, 248-256.	2.9	28
43	The influence of hydroxyurea on oxidative stress in sickle cell anemia. Revista Brasileira De Hematologia E Hemoterapia, 2012, 34, 421-425.	0.7	28
44	Effect of Melatonin Intake on Oxidative Stress Biomarkers in Male Reproductive Organs of Rats under Experimental Diabetes. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-11.	1.9	27
45	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. Journal of Pineal Research, 2004, 36, 64-71.	3.4	26
46	Evaluation of melatonin and AFMK levels in women with breast cancer. Endocrine, 2018, 62, 242-249.	1.1	26
47	Biochemical and molecular responses in oysters Crassostrea brasiliana collected from estuarine aquaculture areas in Southern Brazil. Marine Pollution Bulletin, 2018, 135, 110-118.	2.3	26
48	Esterases as pesticide biomarkers in crayfish (Procambarus clarkii, Crustacea): Tissue distribution, sensitivity to model compounds and recovery from inactivation. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2007, 145, 404-412.	1.3	25
49	Biochemical and proteomic effects inProcambarus clarkiiafter chlorpyrifos or carbaryl exposure under sublethal conditions. Biomarkers, 2009, 14, 299-310.	0.9	24
50	Esterase inhibition in tadpoles of Scinax fuscovarius (Anura, Hylidae) as a biomarker for exposure to organophosphate pesticides. Environmental Science and Pollution Research, 2010, 17, 1411-1421.	2.7	24
51	Biochemical biomarkers in Nile tilapia (Oreochromis niloticus) after short-term exposure to diesel oil, pure biodiesel and biodiesel blends. Chemosphere, 2011, 85, 97-105.	4.2	24
52	Poultry rearing on perforated plastic floors and the effect on air quality, growth performance, and carcass injuriesâ€"Experiment 1: Thermal Comfort. Poultry Science, 2017, 96, 3155-3162.	1.5	24
53	In vitro exposure to fullerene C₆₀ influences redox state and lipid peroxidation in brain and gills from Cyprinus carpio (Cyprinidae). Environmental Toxicology and Chemistry, 2012, 31, 961-967.	2.2	23
54	Estrogenic and anti-androgenic effects of the herbicide tebuthiuron in male Nile tilapia (Oreochromis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.9	23

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55	DNA damage in digestive gland and mantle tissue of the mussel Perna perna. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2003, 135, 295-303.	1.3	22
56	Oxidative stress and antioxidant capacity in sickle cell anaemia patients receiving different treatments and medications for different periods of time. Annals of Hematology, 2012, 91, 479-489.	0.8	22
57	Herbicides employed in sugarcane plantations have lethal and sublethal effects to larval Boana pardalis (Amphibia, Hylidae). Ecotoxicology, 2020, 29, 1043-1051.	1.1	22
58	Direct evidence of singlet molecular oxygen [O2(1Î”g)] production in the reaction of acetonitrile with hydrogen peroxide in alkaline solutions. Analytica Chimica Acta, 2003, 482, 99-104.	2.6	20
59	Oxidative stress markers and apoptosis in the prostate of diabetic rats and the influence of vitamin C treatment. Journal of Cellular Biochemistry, 2012, 113, 2223-2233.	1.2	19
60	Biochemical responses in armored catfish (Pterygoplichthys anisitsi) after short-term exposure to diesel oil, pure biodiesel and biodiesel blends. Chemosphere, 2013, 93, 311-319.	4.2	19
61	Stress responses in Crassostrea gasar exposed to combined effects of acute pH changes and phenanthrene. Science of the Total Environment, 2019, 678, 585-593.	3.9	19
62	Potential utility of melatonin as an antioxidant therapy in the management of sickle cell anemia. Journal of Pineal Research, 2015, 58, 178-188.	3.4	18
63	Molecular and cellular effects of temperature in oysters Crassostrea brasiliana exposed to phenanthrene. Chemosphere, 2018, 209, 307-318.	4.2	18
64	Genetic and biochemical markers of hydroxyurea therapeutic response in sickle cell anemia. BMC Medical Genetics, 2013, 14, 108.	2.1	16
65	Biochemical responses, morphometric changes, genotoxic effects and CYP1A expression in the armored catfish Pterygoplichthys anisitsi after 15 days of exposure to mineral diesel and biodiesel. Ecotoxicology and Environmental Safety, 2015, 115, 26-32.	2.9	16
66	Antioxidant Defense System of Tadpoles (Eupemphix nattereri) Exposed to Changes in Temperature and pH. Zoological Science, 2016, 33, 186-194.	0.3	16
67	Effects of re-stripping on the seminal characteristics of pacu (Piaractus mesopotamicus) during the breeding season. General and Comparative Endocrinology, 2016, 225, 162-173.	0.8	16
68	DNA and Lipid Damage in the Brown Mussel Perna perna from a Contaminated Site. Bulletin of Environmental Contamination and Toxicology, 2003, 71, 270-275.	1.3	15
69	Evaluation of Diuron Tolerance and Biotransformation by Fungi from a Sugar Cane Plantation Sandy-Loam Soil. Journal of Agricultural and Food Chemistry, 2016, 64, 9268-9275.	2.4	15
70	Effects of alkylphenols on the biotransformation of diuron and enzymes involved in the synthesis and clearance of sex steroids in juvenile male tilapia (Oreochromus mossambica). Aquatic Toxicology, 2016, 180, 345-352.	1.9	15
71	Oxidative stress in patients with refractory temporal lobe epilepsy and mesial temporal sclerosis: Possible association with major depressive disorder?. Epilepsy and Behavior, 2018, 80, 191-196.	0.9	15
72	Short-term spatiotemporal biomarker changes in oysters transplanted to an anthropized estuary in Southern Brazil. Science of the Total Environment, 2020, 709, 136042.	3.9	15

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73	Serum melatonin level and oxidative stress in sickle cell anemia. Blood Cells, Molecules, and Diseases, 2010, 45, 297-301.	0.6	14
74	Influence of temperature on the antioxidant responses and lipid peroxidation of two species of tadpoles (Rhinella schneideri and Physalaemus nattereri) exposed to the herbicide sulfentrazone (Boral 500SCÂ®). Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2017, 197, 32-44.	1.3	14
75	Biochemical responses in mussels Perna perna exposed to diesel B5. Chemosphere, 2015, 134, 210-216.	4.2	13
76	Pollution-induced metabolic responses in hypoxia-tolerant freshwater turtles. Ecotoxicology and Environmental Safety, 2013, 97, 1-9.	2.9	12
77	Interaction of Curcumin with Manganese May Compromise Metal and Neurotransmitter Homeostasis in the Hippocampus of Young Mice. Biological Trace Element Research, 2014, 158, 399-409.	1.9	12
78	Effects of captivity and eyestalk ablation on antioxidant status of shrimps (Farfantepenaeus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 T	1.7	11
79	Thermal comfort in reduced models of broilers' houses, under different types of roofing materials. Engenharia Agricola, 2013, 33, 19-27.	0.2	11
80	Oxidative stress biomarkers in treatment-responsive and treatment-resistant schizophrenia patients. Trends in Psychiatry and Psychotherapy, 2021, 43, 278-285.	0.4	11
81	Characterization of esterase patterns in hepatopancreas of three species of Macrobrachium (Palaemonidae). Biochemical Systematics and Ecology, 2013, 47, 132-138.	0.6	10
82	Eye malformation baseline in Scinax fuscovarius larvae populations that inhabit agroecosystem ponds in southern Brazil. Amphibia - Reptilia, 2018, 39, 325-334.	0.1	10
83	Influence of temperature on biomarker responses and histology of the liver of American bullfrog tadpoles (Lithobates catesbeianus, Shaw, 1802) exposed to the herbicide Tebuthiuron. Science of the Total Environment, 2021, 771, 144971.	3.9	10
84	Oxidative stress, biotransformation enzymes and histopathological alterations in Nile tilapia (Oreochromis niloticus) exposed to new and used automotive lubricant oil. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2020, 234, 108770.	1.3	8
85	E2 potentializes benzo(a)pyrene-induced hepatic cytochrome P450 enzyme activities in Nile tilapia at high concentrations. Environmental Science and Pollution Research, 2015, 22, 17367-17374.	2.7	7
86	Effects of methylphenidate on the aggressive behavior, serotonin and dopamine levels, and dopamine-related gene transcription in brain of male Nile tilapia (Oreochromis niloticus). Fish Physiology and Biochemistry, 2019, 45, 1377-1391.	0.9	7
87	Prevalence of Î²S-globin gene haplotypes, Î±-thalassemia (3.7 kb deletion) and redox status in patients with sickle cell anemia in the state of ParanÃ¡, Brazil. Genetics and Molecular Biology, 2015, 38, 316-323.	0.6	6
88	Impact of genetic polymorphisms in key enzymes of homocysteine metabolism on the pathophysiology of sickle cell anemia. Free Radical Biology and Medicine, 2017, 106, 53-61.	1.3	6
89	Prolonged erythrocyte auto-incubation as an alternative model for oxidant generation system. Toxicology in Vitro, 2019, 56, 62-74.	1.1	6
90	Fish biomarker responses to perturbation by drought in streams. Neotropical Ichthyology, 2020, 18, .	0.5	6

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91	Fullerene and omega-3 and omega-6 fatty acids on fish brain antioxidant status. Fish Physiology and Biochemistry, 2012, 38, 1477-1485.	0.9	5
92	Influence of rearing temperature and feed format in the development of the pendulous crop in broilers. Poultry Science, 2018, 97, 3556-3563.	1.5	4
93	Environmentally realistic concentrations of cocaine in seawater disturbed neuroendrocrine parameters and energy status in the marine mussel Perna perna. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2022, 251, 109198.	1.3	4
94	Evaluation of reflective painting of the roof and artificial ventilation on performance and carcass yield of broilers. Revista Brasileira De Zootecnia, 2012, 41, 1769-1774.	0.3	2
95	Research Article Genetic and biochemical biomarkers related to oxidative stress in patients with schizophrenia. Genetics and Molecular Research, 2019, 18, .	0.3	2
96	Thermal behavior of alternative materials used as roof and efficiency of the reflective painting on the external face. Revista Facultad De IngenierÃa, 2017, , 68-73.	0.5	1
97	Biochemical biomarkers in Nile tilapia (Oreochromis niloticus) exposed to diesel and biodiesel. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2010, 157, S24.	0.8	0
98	Evaluation of biochemical biomarkers in Nile tilapia exposed to metals and benzo[a]pyrene. Toxicology Letters, 2010, 196, S123-S124.	0.4	0
99	Effect of mixture of diazinon and benzo[a]pyrene in Glutathione S-transferase of Nile tilapia. Mundo Da Saude, 2014, , 9-15.	0.0	0
100	Influence of Î²^S allele in the lipid peroxidation and antioxidant capacity parameters. International Journal of Laboratory Hematology, 2014, 36, 205-212.	0.7	0
101	Relationship between adenosine deaminase polymorphism (c.22G > A) and oxidative stress in sickle cell anemia. Meta Gene, 2017, 11, 172-177.	0.3	0
102	Biochemical biomarkers in nile tilapias (Oreochromis niloticus Linnaeus, 1758) of different weights exposed to contaminants. Revista De Biologia Neotropical / Journal of Neotropical Biology, 2020, 17, .	0.1	0
103	Fish biomarker responses reflect landscape anthropic disturbance in savanna streams. Environmental Science and Pollution Research, 0, , .	2.7	0