Vera Mf Almeida-Val

List of Publications by Year
in descending order

109	2,667	186265	214800
papers	citations	28 h-index	47 g-index

113	113	113	2457
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Climate vulnerability of South American freshwater fish: Thermal tolerance and acclimation. Journal of Experimental Zoology Part A: Ecological and Integrative Physiology, 2021, 335, 723-734.	1.9	14
2	Boron Oxide Nanoparticles Exhibit Minor, Species-Specific Acute Toxicity to North-Temperate and Amazonian Freshwater Fishes. Frontiers in Bioengineering and Biotechnology, 2021, 9, 689933.	4.1	0
3	Insight to new genes with sexâ€biased to bonyâ€tongued fishes: Differentially expressed genes in adult individuals of Arapaima gigas revealed by RNAâ€Seq. Aquaculture Research, 2021, 52, 5617-5629.	1.8	1
4	The effects of dissolved organic carbon on the reflex ventilatory responses of the neotropical teleost (Colossoma macropomum) to hypoxia or hypercapnia. Chemosphere, 2021, 277, 130314.	8.2	2
5	Ecological adaptations of Amazonian fishes acquired during evolution under environmental variations in dissolved oxygen: A review of responses to hypoxia in fishes, featuring the hypoxiaâ€tolerantAstronotusspp.. Journal of Experimental Zoology Part A: Ecological and Integrative Physiology, 2021, 335, 771-786.	1.9	7
6	Influence of hypoxia on biochemical aspects and on expression of genes related to oxygen-homeostasis of the Amazonian cichlid Astronotus ocellatus (Agassiz, 1831). Genetics and Molecular Biology, 2021, 44, e20210127.	1.3	1
7	Chapter 23: Impacts of deforestation and climate change on biodiversity, ecological processes, and environmental adaptation. , 2021, , .		1
8	Genomeâ€wide association study reveals genes associated with the absence of intermuscular bones in tambaqui (Colossoma macropomum). Animal Genetics, 2020, 51, 899-909.	1.7	16
9	Metabolic adjustment of Pyrrhulina aff. brevis exposed to different climate change scenarios. Journal of Thermal Biology, 2020, 92, 102657.	2.5	4
10	How will farmed populations of freshwater fish deal with the extreme climate scenario in 2100? Transcriptional responses of Colossoma macropomum from two Brazilian climate regions. Journal of Thermal Biology, 2020, 89, 102487.	2.5	14
11	Transcriptomic evidences of local thermal adaptation for the native fish Colossoma macropomum (Cuvier, 1818). Genetics and Molecular Biology, 2020, 43, e20190377.	1.3	6
12	Ecophysiology, genotoxicity, histopathology, and gene responses of naphthalene injected Colossoma macropomum (Cuvier, 1818) exposed to hypoxia. Genetics and Molecular Biology, 2019, 42, 411-424.	1.3	5
13	Effects of water-accommodated fraction of diesel fuel on seahorse (Hippocampus reidi) biomarkers. Aquatic Toxicology, 2019, 217, 105353.	4.0	3
14	Predicting thermal sensitivity of three Amazon fishes exposed to climate change scenarios. Ecological Indicators, 2019, 101, 533-540.	6.3	34
15	Gene expression, genotoxicity, and physiological responses in an Amazonian fish, Colossoma macropomum (CUVIER 1818), exposed to RoundupÂ® and subsequent acute hypoxia. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2019, 222, 49-58.	2.6	17
16	Oxygen-dependent distinct expression of hif-1Î± gene in aerobic and anaerobic tissues of the Amazon Oscar, Astronotus crassipinnis. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2019, 227, 31-38.	1.6	25
17	Genetic basis of Colossoma macropomum broodstock: Perspectives for an improvement program. Journal of the World Aquaculture Society, 2019, 50, 633-644.	2.4	9
18	Protein synthesis is lowered by 4EBP1 and eIF2-Î± signaling while protein degradation may be maintained in fasting, hypoxic Amazonian cichlid, Astronotus ocellatus. Journal of Experimental Biology, 2018, 221, .	1.7	15

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19	The influence of lifestyle and swimming behavior on metabolic rate and thermal tolerance of twelve Amazon forest stream fish species. Journal of Thermal Biology, 2018, 72, 148-154.	2.5	26
20	Mechanisms of toxic action of copper and copper nanoparticles in two Amazon fish species: Dwarf cichlid (Apistogramma agassizii) and cardinal tetra (Paracheirodon axelrodi). Science of the Total Environment, 2018, 630, 1168-1180.	8.0	60
21	Different ecophysiological responses of freshwater fish to warming and acidification. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2018, 216, 34-41.	1.8	18
22	Differential survivorship of congeneric ornamental fishes under forecasted climate changes are related to anaerobic potential. Genetics and Molecular Biology, 2018, 41, 107-118.	1.3	8
23	Does hypoxia or different rates of re-oxygenation after hypoxia induce an oxidative stress response in Cyphocharax abramoides (Kner 1858), a Characid fish of the Rio Negro?. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2018, 224, 53-67.	1.8	34
24	Metabolic rate and thermal tolerance in two congeneric Amazon fishes: Paracheirodon axelrodi Schultz, 1956 and Paracheirodon simulans GÃ©ry, 1963 (Characidae). Hydrobiologia, 2017, 789, 133-142.	2.0	33
25	Interspecific dietary diversity has little influence on pathways of glucose metabolism in liver and heart of piranhas and pacus (family Serrasalmidae). Hydrobiologia, 2017, 789, 107-121.	2.0	3
26	Acclimation to hypercarbia protects cardiac contractility and alters tissue carbohydrate metabolism in the Amazonian armored catfish Pterygoplichthys pardalis. Hydrobiologia, 2017, 789, 91-106.	2.0	3
27	Large-scale SNP discovery and construction of a high-density genetic map of Colossoma macropomum through genotyping-by-sequencing. Scientific Reports, 2017, 7, 46112.	3.3	32
28	Development and characterization of microsatellite loci in Amazonian dwarf cichlids Apistogramma spp. (Perciformes: Cichlidae): Uncovering geological influence on Amazonian fish population. Journal of Applied Ichthyology, 2017, 33, 1196-1199.	0.7	4
29	Biomarker responses and PAH ratios in fish inhabiting an estuarine urban waterway. Environmental Toxicology, 2017, 32, 2305-2315.	4.0	11
30	Validation of a suite of biomarkers of fish health in the tropical bioindicator species, tambaqui () Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	6.3	15
31	Air breathing and aquatic gas exchange during hypoxia in armoured catfish. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2017, 187, 117-133.	1.5	27
32	Amazonia: Water Resources and Sustainability. , 2017, , 73-88.		1
33	Exposure to waterborne copper and high temperature induces the formation of reactive oxygen species and causes mortality in the Amazonian fish Hoplosternum littorale. Hydrobiologia, 2017, 789, 157-166.	2.0	21
34	Protein analysis and gene expression indicate differential vulnerability of Iberian fish species under a climate change scenario. PLoS ONE, 2017, 12, e0181325.	2.5	15
35	Ras oncogene and Hypoxia-inducible factor-1 alpha (hif-1Î±) expression in the Amazon fish Colossoma macropomum (Cuvier, 1818) exposed to benzo[a]pyrene.. Genetics and Molecular Biology, 2017, 40, 491-501.	1.3	16
36	Loss of genetic diversity in farmed populations of Colossoma macropomum estimated by microsatellites. Animal Genetics, 2016, 47, 373-376.	1.7	30

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37	In vitro effects of increased temperature and decreased <scp>pH</scp> on blood oxygen affinity of 10 fish species of the <scp>A</scp>mazon. Journal of Fish Biology, 2016, 89, 264-279.	1.6	9
38	Genetic differentiation in redâ€bellied piranha populations (Pygocentrus nattereri, Kner, 1858) from the SolimÃµesâ€Amazonas River. Ecology and Evolution, 2016, 6, 4203-4213.	1.9	2
39	Environmental disturbances and fishes in the Amazon. Journal of Fish Biology, 2016, 89, 192-193.	1.6	11
40	Acute hypoxia up-regulates HIF-1Î± and VEGF mRNA levels in Amazon hypoxia-tolerant Oscar (Astronotus) Tj ETQq0 0 0 rgBT /Overlock 1	2.3	49
41	Neuro-oxidative damage and aerobic potential loss of sharks under elevated CO2 and warming. Marine Biology, 2016, 163, 1.	1.5	44
42	Influence of the natural Rio Negro water on the toxicological effects of a crude oil and its chemical dispersion to the Amazonian fish Colossoma macropomum. Environmental Science and Pollution Research, 2016, 23, 19764-19775.	5.3	12
43	The transition from water-breathing to air-breathing is associated with a shift in ion uptake from gills to gut: a study of two closely related erythrinid teleosts, Hoplerythrinus unitaeniatus and Hoplias malabaricus. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2016, 186, 431-445.	1.5	20
44	Transcriptome profiling of two Iberian freshwater fish exposed to thermal stress. Journal of Thermal Biology, 2016, 55, 54-61.	2.5	42
45	Genomic Resources Notes accepted 1 April 2015 â€“ 31 May 2015. Molecular Ecology Resources, 2015, 15, 1256-1257.	4.8	4
46	Rapid regulation of blood parameters under acute hypoxia in the Amazonian fish Prochilodus nigricans. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2015, 184, 125-131.	1.8	34
47	Gut transport characteristics in herbivorous and carnivorous serrasalmid fish from ion-poor Rio Negro water. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2015, 185, 225-241.	1.5	29
48	Ionoregulatory Aspects of the Osmorespiratory Compromise during Acute Environmental Hypoxia in 12 Tropical and Temperate Teleosts. Physiological and Biochemical Zoology, 2015, 88, 357-370.	1.5	37
49	Gill paracellular permeability and the osmorespiratory compromise during exercise in the hypoxia-tolerant Amazonian oscar (Astronotus ocellatus). Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2015, 185, 741-754.	1.5	18
50	RoundupÂ® exposure promotes gills and liver impairments, DNA damage and inhibition of brain cholinergic activity in the Amazon teleost fish Colossoma macropomum. Chemosphere, 2015, 135, 53-60.	8.2	80
51	Organismos aquÃ¡ticos e de Ã¡reas Ãºmidas em uma AmazÃ´nia em transiÃ§Ã£o. CiÃªncia E Cultura, 2014, 66, 34-40.	0.0	6
52	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 October 2012â€“30 November 2012. Molecular Ecology Resources, 2013, 13, 341-343.	4.8	33
53	Recovery of fat snook, Centropomus parallelus (Teleostei: Perciformes) after subchronic exposure to copper. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2013, 157, 306-309.	2.6	8
54	Interactions between hypoxia tolerance and food deprivation in Amazonian oscars, Astronotus ocellatus (Agassiz). Journal of Experimental Biology, 2013, 216, 4590-600.	1.7	48

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55	O uso do Ã³leo de cravo como anestÃ©sico em juvenis avanÃ§ados de tilÃ¡pia do Nilo (Oreochromis) Tj ETQq1 1 0.784314 rgBT /Ove	0.8	6
56	Isolation of microsatellite loci in the Amazon sailfin catfish Pterygoplichlhys pardalis (Castelneau,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.8	4
57	Genetic Diversity in <i>Cichla monoculus</i> (Spix and Agassiz, 1931) Populations: Implications for Management and Conservation. American Journal of Environmental Sciences, 2012, 8, 35-41.	0.5	9
58	Genetic variability of wild and captivity populations of Colossoma macropomum (Cuvier, 1818). Acta Scientiarum - Biological Sciences, 2012, 34, .	0.3	5
59	Isolation of novel microsatellite markers for tambaqui (Colossoma macropomum, Cuvier 1818), an important freshwater fish of the Amazon. Conservation Genetics Resources, 2012, 4, 197-200.	0.8	8
60	Isolation and development microsatellite markers in the Pygocentrus nattereri (Kner, 1858) (Characiformes, Serrasalminae), an important freshwater fish in the Amazon. Conservation Genetics Resources, 2012, 4, 271-274.	0.8	4
61	CaracterizaciÃ³n de la actividad piscÃ¢cola en las meso regiones del estado del amazonas, amazonÃa brasileÃ±a. Revista Colombiana De Ciencia Animal Recia, 2012, 4, 154.	0.2	11
62	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 December 2010â€“31 January 2011. Molecular Ecology Resources, 2011, 11, 586-589.	4.8	38
63	Anoxia- and hypoxia-induced expression of LDH-A* in the Amazon Oscar, Astronotus crassipinis. Genetics and Molecular Biology, 2011, 34, 315-322.	1.3	26
64	Chromosomal polymorphism in Steindachneridion melanodermatum Garavello, 2005 (Siluriformes,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Biology and Fisheries, 2011, 21, 497-508.	4.9	12
65	Gill morphology and acute hypoxia: responses of mitochondria-rich, pavement, and mucous cells in the Amazonian oscar (Astronotus ocellatus) and the rainbow trout (Oncorhynchus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T Journal of Zoology, 2011, 89, 307-324.	1.6	56
66	Isolation and characterization of microsatellite markers for Cichla monoculus (Agassiz, 1831), an important freshwater fish in the Amazon. Conservation Genetics Resources, 2010, 2, 215-218.	0.8	5
67	Fish and aquatic habitat conservation in South America: a continental overview with emphasis on neotropical systems. Journal of Fish Biology, 2010, 76, 2118-2176.	1.6	320
68	Histochemistry and functional organization of the dorsal skin of Ancistrus dolichopterus (Siluriformes: Loricariidae). Neotropical Ichthyology, 2010, 8, 877-884.	1.0	13
69	Regulation of gill transcellular permeability and renal function during acute hypoxia in the Amazonian oscar (Astronotus ocellatus): new angles to the osmorespiratory compromise. Journal of Experimental Biology, 2009, 212, 1949-1964.	1.7	63
70	The Role of Size in Synchronous Air Breathing ofHoplosternum littorale. Physiological and Biochemical Zoology, 2009, 82, 625-634.	1.5	20
71	Development and characterization of microsatellite markers in Astronotus crassipinis (Heckel, 1840). Conservation Genetics Resources, 2009, 1, 277-280.	0.8	4
72	Copper sensitivity of wild ornamental fish of the Amazon. Ecotoxicology and Environmental Safety, 2009, 72, 693-698.	6.0	26

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73	Respiratory responses to progressive hypoxia in the Amazonian oscar, Astronotus ocellatus. Respiratory Physiology and Neurobiology, 2008, 162, 109-116.	1.6	59
74	Ion fluxes and hematological parameters of two teleosts from the Rio Negro, Amazon, exposed to hypoxia. Brazilian Journal of Biology, 2008, 68, 571-575.	0.9	10
75	Rapid regulation of Na+ fluxes and ammonia excretion in response to acute environmental hypoxia in the Amazonian oscar, Astronotus ocellatus. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 292, R2048-R2058.	1.8	52
76	Responses to hypoxia and recovery: repayment of oxygen debt is not associated with compensatory protein synthesis in the Amazonian cichlid, Astronotus ocellatus. Journal of Experimental Biology, 2007, 210, 1935-1943.	1.7	62
77	Intracellular Glucose and Binding of Hexokinase and Phosphofructokinase to Particulate Fractions Increase under Hypoxia in Heart of the Amazonian Armored Catfish (Liposarcus pardalis). Physiological and Biochemical Zoology, 2007, 80, 542-550.	1.5	30
78	15.1. Biochemical physiology of hypoxia in fish. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2007, 148, S60.	1.8	0
79	Metabolic and ionoregulatory responses of the Amazonian cichlid, Astronotus ocellatus, to severe hypoxia. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2007, 177, 361-374.	1.5	69
80	Carbohydrate management, anaerobic metabolism, and adenosine levels in the armoured catfish,Liposarcus pardalis (castelnau), during hypoxia. Journal of Experimental Zoology Part A, Comparative Experimental Biology, 2006, 305A, 363-375.	1.3	23
81	Tribute to R. G. Boutilier: The effect of size on the physiological and behavioural responses of oscar, Astronotus ocellatus, to hypoxia. Journal of Experimental Biology, 2006, 209, 1197-1205.	1.7	90
82	Metabolic adjustments in two Amazonian cichlids exposed to hypoxia and anoxia. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2005, 141, 347-355.	1.6	79
83	Metabolic and Physiological Adjustments to Low Oxygen and High Temperature in Fishes of the Amazon. Fish Physiology, 2005, , 443-500.	0.8	26
84	Tropical Environment. Fish Physiology, 2005, 21, 1-45.	0.8	16
85	Os legados deixados por Peter Hochachka: o pesquisador, o mestre e o amigo. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2004, 139, 317-320.	1.6	1
86	Mitochondrial KATP channels and sarcoplasmic reticulum influence cardiac force development under anoxia in the Amazonian armored catfish Liposarcus pardalis. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2003, 134, 441-448.	1.8	12
87	Changes in ventilation, metabolism, and behaviour, but not bradycardia, contribute to hypoxia survival in two species of Amazonian armoured catfish. Canadian Journal of Zoology, 2003, 81, 272-280.	1.0	45
88	Metabolic adjustments in Satanoperca aff. jurupari (Perciformes: Cichlidae). Genetics and Molecular Biology, 2003, 26, 27-32.	1.3	5
89	Specialized metabolism and biochemical suppression during aestivation of the extant South American lungfish --<FONT FACE=Symbol></FONT>Lepidosiren paradoxa. Brazilian Journal of Biology, 2002, 62, 495-501.	0.9	12
90	Scaling effects on hypoxia tolerance in the Amazon fish Astronotus ocellatus (Perciformes:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td Biochemistry and Molecular Biology, 2000, 125, 219-226.	1.6	95

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91	Activity levels of enzymes of energy metabolism in heart and red muscle are higher in north-temperate-zone than in Amazonian teleosts. Canadian Journal of Zoology, 1999, 77, 690-696.	1.0	29
92	Hypoxia tolerance of Amazon fish. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 1998, 120, 151-156.	1.8	110
93	Hypoxia adaptation in fish of the Amazon: a never-ending task. South African Journal of Zoology, 1998, 33, 107-114.	0.5	56
94	Karyological, biochemical, and physiological aspects of Callophysus macropterus (Siluriformes,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Biological Research, 1998, 31, 1449-1458.	1.5	15
95	No Co-Expression of LDH-C In Amazon Cichlids. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1997, 117, 315-319.	1.6	5
96	Evolutionary trends of LDH isozymes in fishes. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1993, 105, 21-28.	0.2	14
97	Adaptive Features of Amazon Fishes: Blood Characteristics of CurimatÃ£ (Prochilodus cf. nigricans,) Tj ETQq1 1 0.784314 rgBT /Overl	1.5	25
98	Inositol pentaphosphate in the erythrocytes of an Amazonian fish, the pirarucu (Arapaima gigas). Canadian Journal of Zoology, 1992, 70, 852-855.	1.0	11
99	Malate dehydrogenase (sMDH) in Amazon cichlid fishes: evolutionary features. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1992, 103, 939-943.	0.2	4
100	LDH isozymes in amazon fishâ€"III. Distribution patterns and functional properties in Serrasalmidae (Teleostei: Ostariophysi). Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1992, 103, 119-125.	0.2	5
101	LDH isozymes in amazon fishâ€"II. Temperature and pH effects on LDH kinetic properties from Mylossoma duriventris and Colossoma macropomum (Serrasalmidae). Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1991, 98, 79-86.	0.2	4
102	Lactate dehydrogenase (LDH) in 27 species of amazon fish: Adaptive and evolutive aspects. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1991, 100, 391-398.	0.2	2
103	Adaptative features of amazon fishes: Hemoglobins, hematology, intraerythrocytic phosphates and whole blood Bohr effect of Pterygoplichthys multiradiatus (Siluriformes). Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1990, 97, 435-440.	0.2	18
104	LDH isozymes in amazon Fishâ€"I. Electrophoretic studies on two species from serrasalmidae family: Mylossoma duriventris and Colossoma macropomum. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1990, 95, 77-84.	0.2	4
105	Biological aspects of Amazonian fishes. Hemoglobin, hematology, intraerythrocytic phosphates, and whole blood Bohr effect of Mylossoma duriventris. Canadian Journal of Zoology, 1987, 65, 1805-1811.	1.0	14
106	Biological aspects of Amazonian fishesâ€"VI. Hemoglobins and whole blood properties of Semaprochilodus species (prochilodontidae) at two phases of migration. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1986, 83, 659-667.	0.2	3
107	Electrophoretic patterns of hemoglobin and oxygen binding properties of blood of Anostomidae fishes from Parana-Pardo-Grande hydrographic basin (SÃ£o Paulo State, Brazil). The Journal of Experimental Zoology, 1985, 235, 21-26.	1.4	6
108	Hemoglobin, hematology, intraerythrocytic phosphates and whole blood Bohr effect from lotic and lentic Hypostomus regani populations (SÃ£o Paulo-Brasil). Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1985, 80, 737-741.	0.2	3

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109	Biological aspects of amazonian fishes I. Red blood cell phosphates of schooling fishes (genus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Biochemistry, 1984, 78, 215-217.	0.2	4