

Pedro M Padilha

List of Publications by Year in descending order

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107
papers

2,354
citations

201385

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109
all docs

109
docs citations

109
times ranked

2464
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic zinc supplementation modifies the metalloproteome of royal jelly produced by <i>Apis mellifera</i> . Journal of Apicultural Research, 2023, 62, 590-597.	0.7	3
2	Investigation of Protein Biomarkers and Oxidative Stress in <i>Pirinampus pirinampu</i> Exposed to Mercury Species from the Madeira River, Amazon-Brazil. Biological Trace Element Research, 2022, 200, 1872-1882.	1.9	3
3	Feedlot diets containing different starch levels and additives change the cecal proteome involved in cattle's energy metabolism and inflammatory response. Scientific Reports, 2022, 12, 5691.	1.6	5
4	Metalloproteomic Strategies for Identifying Proteins as Biomarkers of Mercury Exposure in <i>Serrasalmus rhombeus</i> from the Amazon Region. Biological Trace Element Research, 2021, 199, 712-720.	1.9	8
5	Supplementation with an Inorganic Zinc Source in the Metalloproteomic Profile of Royal Jelly in <i>Apis mellifera</i> L. Biological Trace Element Research, 2021, 199, 4308-4318.	1.9	3
6	Identification of Zinc Absorption Biomarkers in Muscle Tissue of Nile Tilapia Fed with Organic and Inorganic Sources of Zinc Using Metallomics Analysis. Biological Trace Element Research, 2020, 194, 259-272.	1.9	1
7	Supplementation with an Inorganic Iron Source Modulates the Metalloproteomic Profile of the Royal Jelly Produced by <i>Apis mellifera</i> L. Biological Trace Element Research, 2020, 195, 648-657.	1.9	2
8	Study of proteins with mercury in fish from the Amazon region. Food Chemistry, 2020, 309, 125460.	4.2	12
9	Parvalbumin and Ubiquitin as Potential Biomarkers of Mercury Contamination of Amazonian Brazilian Fish. Biological Trace Element Research, 2020, 197, 667-675.	1.9	8
10	Metalloproteomic approach of mercury-binding proteins in liver and kidney tissues of <i>Plagioscion squamosissimus</i> (corvina) and <i>Colossoma macropomum</i> (tambaqui) from Amazon region: Possible identification of mercury contamination biomarkers. Science of the Total Environment, 2020, 711, 134547.	3.9	15
11	Organic Selenium Reaches the Central Nervous System and Downmodulates Local Inflammation: A Complementary Therapy for Multiple Sclerosis?. Frontiers in Immunology, 2020, 11, 571844.	2.2	13
12	Modification of the head proteome of nurse honeybees (<i>Apis mellifera</i>) exposed to field-relevant doses of pesticides. Scientific Reports, 2020, 10, 2190.	1.6	17
13	The role of apoptosis associated speck-like protein containing a caspase-1 recruitment domain (ASC) in response to bone substitutes. Materials Science and Engineering C, 2020, 112, 110965.	3.8	11
14	Identification of Biomarkers of Mercury Contamination in <i>Brachyplatystoma filamentosum</i> of the Madeira River, Brazil, Using Metalloproteomic Strategies. Biological Trace Element Research, 2019, 187, 291-300.	1.9	14
15	Physiological and functional aspects of metal-binding protein associated with mercury in the liver tissue of pirarucu (<i>Arapaima gigas</i>) from the Brazilian Amazon. Chemosphere, 2019, 236, 124320.	4.2	14
16	Heavy Metal Accumulation in the Intestinal Tapeworm <i>Proteocephalus macrophallus</i> Infecting the Butterfly Peacock Bass (<i>Cichla ocellaris</i>), from Southeastern Brazil. Bulletin of Environmental Contamination and Toxicology, 2019, 103, 670-675.	1.3	7
17	Layered Double Hydroxides Are Promising Nanomaterials for Tissue Bioengineering Application. Advanced Biology, 2019, 3, 1800238.	3.0	13
18	Proteomic analysis of the fast-twitch muscle of pacu (<i>Piaractus mesopotamicus</i>) after prolonged fasting and compensatory growth. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2019, 30, 321-332.	0.4	11

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19	câ€Src kinase contributes on endothelial cells mechanotransduction in a heat shock protein 70â€dependent turnover manner. <i>Journal of Cellular Physiology</i> , 2019, 234, 11287-11303.	2.0	9
20	Production of milk peptides with antimicrobial and antioxidant properties through fungal proteases. <i>Food Chemistry</i> , 2019, 278, 823-831.	4.2	83
21	Characterization of molecular biomarkers of mercury exposure to muscle tissue of <i>Plagioscion squamosissimus</i> and <i>Collossoma macropomum</i> from the Amazon region. <i>Food Chemistry</i> , 2019, 276, 247-254.	4.2	15
22	Available phosphorus as a reproductive performance enhancer for female Nile tilapia. <i>Aquaculture</i> , 2018, 486, 202-209.	1.7	9
23	Mercury Exposure: Protein Biomarkers of Mercury Exposure in Jaraqui Fish from the Amazon Region. <i>Biological Trace Element Research</i> , 2018, 183, 164-171.	1.9	19
24	CoCrâ€enriched medium modulates integrinâ€based downstream signaling and requires a set of inflammatory genes reprogramming <i>in vitro</i> . <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 839-849.	2.1	15
25	Total Mercury Determination in Muscle and Liver Tissue Samples from Brazilian Amazon Fish Using Slurry Sampling. <i>Biological Trace Element Research</i> , 2018, 184, 517-522.	1.9	20
26	Metalloproteomics Approach to Analyze Mercury in Breast Milk and Hair Samples of Lactating Women in Communities of the Amazon Basin, Brazil. <i>Biological Trace Element Research</i> , 2018, 181, 216-226.	1.9	8
27	Proteomic investigation of liver from beef cattle (<i>Bos indicus</i>) divergently ranked on residual feed intake. <i>Molecular Biology Reports</i> , 2018, 45, 2765-2773.	1.0	10
28	Metallomics in Fish. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1055, 101-110.	0.8	1
29	A proteomic approach to identify metalloproteins and metal-binding proteins in liver from diabetic rats. <i>International Journal of Biological Macromolecules</i> , 2017, 96, 817-832.	3.6	19
30	Titaniumâ€released from dental implant enhances preâ€osteoblast adhesion by ROS modulating crucial intracellular pathways. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 2968-2976.	2.1	38
31	Metalloproteomic and differential expression in plasma in a rat model of type 1 diabetes. <i>International Journal of Biological Macromolecules</i> , 2017, 104, 414-422.	3.6	6
32	Identification of protein biomarkers of mercury toxicity in fish. <i>Environmental Chemistry Letters</i> , 2017, 15, 717-724.	8.3	25
33	Liver Proteome in Diabetes Type 1 Rat Model: Insulin-Dependent and -Independent Changes. <i>OMICS A Journal of Integrative Biology</i> , 2016, 20, 711-726.	1.0	11
34	Zinc determination in samples fish by GFAAS using acid digestion in an ultrasound bath. <i>Journal of Food Measurement and Characterization</i> , 2016, 10, 113-118.	1.6	3
35	Use of ultrasonic extraction in determining apparent digestibility in fish feed. <i>Journal of Food Measurement and Characterization</i> , 2015, 9, 599-603.	1.6	5
36	The ultra-sonication of minerals in swine feed. <i>Journal of Animal Science and Biotechnology</i> , 2015, 6, 32.	2.1	1

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37	Determination of the Mercury Fraction Linked to Protein of Muscle and Liver Tissue of Tucunarã (Cichla spp.) from the Amazon Region of Brazil. Archives of Environmental Contamination and Toxicology, 2015, 69, 422-430.	2.1	24
38	A Metalloproteomics Study on the Association of Mercury With Breast Milk in Samples From Lactating Women in the Amazon Region of Brazil. Archives of Environmental Contamination and Toxicology, 2015, 69, 223-229.	2.1	19
39	Mercury fractionation in dourada (Brachyplatystoma rousseauxii) of the Madeira River in Brazil using metalloproteomic strategies. Talanta, 2015, 132, 239-244.	2.9	43
40	Metal ions bound to the human milk immunoglobulin A: Metalloproteomic approach. Food Chemistry, 2015, 166, 492-497.	4.2	12
41	Bioanalytical methods for the metalloproteomics study of bovine longissimus thoracis muscle tissue with different grades of meat tenderness in the Nellore breed (Bos indicus). Food Chemistry, 2015, 169, 65-72.	4.2	33
42	Blood and seminal plasma concentrations of selenium, zinc and testosterone and their relationship to sperm quality and testicular biometry in domestic cats. Animal Reproduction Science, 2014, 150, 50-55.	0.5	21
43	Feed digestibility and productive performance of bullfrogs raised in cages and fed in different periods and high frequency. Aquaculture, 2014, 433, 1-5.	1.7	6
44	Metalloproteomic Profile Determination of Muscle Samples from Nile Tilapia (Oreochromis niloticus) Using AAS and ESI-MS/MS after 2D-PAGE Separation. Journal of the Brazilian Chemical Society, 2014, , .	0.6	1
45	Selenium fractionation from plasma, muscle and liver of Nile tilapia (Oreochromis niloticus). Journal of Food Measurement and Characterization, 2013, 7, 158-165.	1.6	7
46	Ultrasound-assisted extraction of Na and K from swine feed and its application in a digestibility assay: A green analytical procedure. Ultrasonics Sonochemistry, 2013, 20, 1353-1358.	3.8	5
47	GFAAS determination of mercury in muscle samples of fish from Amazon, Brazil. Food Chemistry, 2013, 141, 2614-2617.	4.2	54
48	Incorporation of dithioamide as a complexing agent into cellulose for the removal and pre-concentration of Cu(II) and Cd(II) ions from natural water samples. Applied Surface Science, 2013, 264, 368-374.	3.1	34
49	Application of two-dimensional electrophoresis for plasma of normal and diabetic rats. FASEB Journal, 2013, 27, lb137.	0.2	0
50	Feed digestibility and productive performance of bullfrogs fed in high and low frequency. Aquaculture, 2012, 326-329, 123-128.	1.7	10
51	A Preliminary and Qualitative Metallomics Study of Mercury in the Muscle of Fish from Amazonas, Brazil. Biological Trace Element Research, 2012, 150, 195-199.	1.9	27
52	Fracionamento de cobre em proteínas do plasma, músculo e fígado de tilápia do Nilo. Quimica Nova, 2012, 35, 493-498.	0.3	6
53	Banana Peel Applied to the Solid Phase Extraction of Copper and Lead from River Water: Preconcentration of Metal Ions with a Fruit Waste. Industrial & Engineering Chemistry Research, 2011, 50, 3446-3451.	1.8	144
54	Selenium determination in tissue samples of Nile tilapia using ultrasound-assisted extraction. Open Chemistry, 2011, 9, 119-125.	1.0	7

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55	Synthesis, characterization, and application of modified silica in the removal and preconcentration of lead ions from natural river water. <i>Clean Technologies and Environmental Policy</i> , 2011, 13, 397-402.	2.1	9
56	Metallomic study on plasma samples from Nile tilapia using SR-XRF and GFAAS after separation by 2D PAGE: initial results. <i>Mikrochimica Acta</i> , 2011, 173, 43-49.	2.5	24
57	Evaluation of Cu, Mn, and Se in Vegetables Using Ultrasonic Extraction and GFAAS Quantification. <i>Food Analytical Methods</i> , 2011, 4, 319-325.	1.3	13
58	Attachment of 2,2-bipyridine onto a silica gel for application as a sequestering agent for copper, cadmium and lead ions from an aqueous medium. <i>Polish Journal of Chemical Technology</i> , 2011, 13, 28-33.	0.3	13
59	Levels of copper in Nile tilapia from Brazil. <i>Food Additives and Contaminants: Part B Surveillance</i> , 2011, 4, 238-243.	1.3	4
60	Preconcentration and determination of Cu(II) in a fresh water sample using modified silica gel as a solid-phase extraction adsorbent. <i>Journal of Hazardous Materials</i> , 2010, 175, 399-403.	6.5	61
61	Growth performance and metabolic response of Nile tilapia fed rations supplemented with autolized yeast and zinc. <i>Revista Brasileira De Zootecnia</i> , 2010, 39, 2560-2568.	0.3	5
62	4-amine-2-mercaptopyrimidine modified silica gel applied in Cd(II) and Pb(II) extraction from an aqueous medium. <i>Polish Journal of Chemical Technology</i> , 2010, 12, 7-11.	0.3	18
63	Analytical approach to the metallomic of Nile tilapia (<i>Oreochromis niloticus</i>) liver tissue by SRXRF and FAAS after 2D-PAGE separation: Preliminary results. <i>Talanta</i> , 2010, 82, 1052-1056.	2.9	36
64	Polishing of Water Treated by a Biological Process with Heterogeneous Photocatalysis. <i>Journal of Applied Sciences</i> , 2010, 10, 731-737.	0.1	0
65	GFAAS Determination of Zinc in Fish Feed and Feces Using Slurry Sampling. <i>Food Analytical Methods</i> , 2009, 2, 162-168.	1.3	10
66	Iron determination by FAAS in fish feed and feces after ultrasound-assisted extraction. <i>Sensing and Instrumentation for Food Quality and Safety</i> , 2009, 3, 108-113.	1.5	1
67	Analytical procedure based on slurry sampling for determining selenium in organic vegetable samples by graphite furnace atomic absorption spectrometry. <i>European Food Research and Technology</i> , 2009, 229, 409-414.	1.6	5
68	FAAS determination of metal nutrients in fish feed after ultrasound extraction. <i>Food Chemistry</i> , 2009, 113, 679-683.	4.2	45
69	Evaluation of pH and calcium ion release of new root-end filling materials. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2009, 108, 135-139.	1.6	35
70	Sediment grain size distribution and heavy metals determination in a dam on the Paran�ı River at Ilha Solteira, Brazil. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2009, 44, 861-865.	0.9	17
71	Determina��o de f�sforo biodispon�vel em ra�ızes de peixes utilizando extra��o assistida por ultra-som e espectrofotometria no vis�vel. <i>Quimica Nova</i> , 2009, 32, 923-927.	0.3	11
72	Determination of copper in fish feed by graphite furnace atomic absorption spectrometry using slurry sampling. <i>Sensing and Instrumentation for Food Quality and Safety</i> , 2008, 2, 274-279.	1.5	2

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73	Determination of Cd(II), Cu(II) and Ni(II) in aqueous samples by ICP-OES after on-line preconcentration in column packed with silica modified with 2-aminothiazole. <i>Mikrochimica Acta</i> , 2008, 160, 203-209.	2.5	16
74	Synthesis and characterization of TiO ₂ chemically modified by Pd(II) 2-aminothiazole complex for the photocatalytic degradation of phenol. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 195, 23-29.	2.0	6
75	Valor nutricional e viabilidade econômica de rações suplementadas com maltodextrina e acidificante para leitões desmamados. <i>Revista Brasileira De Zootecnia</i> , 2008, 37, 286-295.	0.3	7
76	Copper determination in ethanol fuel by differential pulse anodic stripping voltammetry at a solid paraffin-based carbon paste electrode modified with 2-aminothiazole organofunctionalized silica. <i>Talanta</i> , 2007, 71, 771-777.	2.9	95
77	Determination of selenium by GFAAS in slurries of fish feces to estimate the bioavailability of this micronutrient in feed used in pisciculture. <i>Chemosphere</i> , 2007, 68, 1542-1547.	4.2	28
78	Application of Cellulose Modified with p-Aminobenzoic Groups in Preconcentration System for Determination of Cu, Fe, Ni, and Zn in Fuel Ethanol Samples by Flame Atomic Absorption Spectrometry. <i>Separation Science and Technology</i> , 2007, 42, 1325-1340.	1.3	20
79	Disponibilidade aparente do fósforo em alimentos vegetais e suplementação da enzima fitase para tilápia-do-nilo. <i>Revista Brasileira De Zootecnia</i> , 2007, 36, 1473-1480.	0.3	15
80	Manganese determination by GFAAS in feces and fish feed slurries. <i>Journal of the Brazilian Chemical Society</i> , 2007, 18, 1235-1241.	0.6	9
81	TiO ₂ films organofunctionalized with 2-aminothiazole ligand and adsorbed Pd(II) ions applied in the photocatalytic degradation of phenol in an aqueous medium. <i>Thin Solid Films</i> , 2007, 515, 5334-5340.	0.8	13
82	A solid paraffin-based carbon paste electrode modified with 2-aminothiazole organofunctionalized silica for differential pulse adsorptive stripping analysis of nickel in ethanol fuel. <i>Analytica Chimica Acta</i> , 2007, 584, 295-301.	2.6	32
83	Studies on the adsorption and kinetics of photodegradation of a model compound for heterogeneous photocatalysis onto TiO ₂ . <i>Chemosphere</i> , 2006, 64, 1128-1133.	4.2	83
84	Determination of chromium by GFAAS in slurries of fish feces to estimate the apparent digestibility of nutrients in feed used in pisciculture. <i>Talanta</i> , 2006, 69, 1025-1030.	2.9	29
85	Enhanced photocatalytic reduction of Hg(II) in aqueous medium by 2-aminothiazole-modified TiO ₂ particles. <i>Journal of the Brazilian Chemical Society</i> , 2006, 17, 453-457.	0.6	12
86	Photodegradation of soluble and emulsive cutting fluids using TiO ₂ as catalyst. <i>Journal of the Brazilian Chemical Society</i> , 2006, 17, 737-740.	0.6	9
87	New analytical procedure based on a cellulose bag and ionic exchanger with p-aminobenzoic acid groups for differentiation of labile and inert metal species in aquatic systems. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 2153-2160.	1.9	12
88	Effect of iron on bovine enamel and on the composition of the dental biofilm formed <i>in situ</i> . <i>Archives of Oral Biology</i> , 2006, 51, 471-475.	0.8	34
89	Determination of copper, iron, nickel and zinc in gasoline by FAAS after sorption and preconcentration on silica modified with 2-aminothiazole groups. <i>Fuel</i> , 2005, 84, 305-309.	3.4	73
90	Relative bioavailability of zinc in supplemental inorganic and organic sources for Nile tilapia <i>Oreochromis niloticus</i> fingerlings. <i>Aquaculture Nutrition</i> , 2005, 11, 273-281.	1.1	50

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91	Aplicação e modificação química da sílica gel obtida de areia. <i>Quimica Nova</i> , 2005, 28, 544-547.	0.3	28
92	Lablity of Cd, Cr, Cu, Mn and Pb complexed by aquatic humic substances. <i>Ecletica Quimica</i> , 2005, 30, 45-51.	0.2	7
93	Determination of Cu, Ni and Pb in aqueous medium by FAAS after pre-concentration on 2-aminothiazole modified silica gel. <i>Journal of the Brazilian Chemical Society</i> , 2004, 15, 366-371.	0.6	31
94	Optimum zinc supplementation level in Nile tilapia <i>Oreochromis niloticus</i> juveniles diets. <i>Aquaculture</i> , 2004, 238, 385-401.	1.7	91
95	Determination of Cadmium in River Water Samples by Flame AAS after On-line Preconcentration in Mini-Column Packed with 2-Aminothiazole-modified Silica Gel. <i>Analytical Sciences</i> , 2004, 20, 1029-1032.	0.8	26
96	Determination of Copper, Iron, Nickel and Zinc in fuel kerosene by FAAS after adsorption and pre-concentration on 2-aminothiazole-modified silica gel. <i>Ecletica Quimica</i> , 2004, 29, 33-40.	0.2	21
97	Synthesis, characterization and determination of the metal ions adsorption capacity of cellulose modified with p-aminobenzoic groups. <i>Materials Research</i> , 2004, 7, 329-334.	0.6	83
98	Tangential-flow ultrafiltration: a versatile methodology for determination of complexation parameters in refractory organic matter from Brazilian water and soil samples. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 375, 1097-1100.	1.9	22
99	Determination of Cu, Ni, and Zn in fuel ethanol by FAAS after enrichment in column packed with 2-aminothiazole-modified silica gel. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 375, 574-577.	1.9	65
100	Caracterização textural e estrutural de V ₂ O ₅ /TiO ₂ obtidos via sol-gel: comparação entre secagem convencional e supercrítica. <i>Quimica Nova</i> , 2002, 25, 209-213.	0.3	6
101	Determination of Metal Ions in Natural Waters by Flame-AAS after Preconcentration on a 5-Amino-1,3,4-Thiadiazole-2-Thiol Modified Silica Gel.. <i>Analytical Letters</i> , 1999, 32, 1807-1820.	1.0	72
102	Determination of Metal Ions in Fuel Ethanol after Preconcentration on 5-Amino-1,3,4-Thiadiazole-2-Thiol Modified Silica Gel. <i>Journal of the Brazilian Chemical Society</i> , 1998, 9, 494-498.	0.6	44
103	Preconcentration of heavy metals ions from aqueous solutions by means of cellulose phosphate: an application in water analysis. <i>Talanta</i> , 1997, 45, 317-323.	2.9	50
104	Pre-concentration of Cd(II), Cr(III), Cu(II) and Ni(II) on a column packed with free carboxymethylcellulose (CMCH). <i>Journal of the Brazilian Chemical Society</i> , 1997, 8, 333-337.	0.6	8
105	Contribuição da cidade de Botucatu - SP com nutrientes (fósforo e nitrogênio) na eutrofização da represa de Barra Bonita. <i>Ecletica Quimica</i> , 1997, 22, 31-48.	0.2	12
106	Oxigênio dissolvido (OD), demanda bioquímica de oxigênio (DBO) e demanda química de oxigênio (DQO) como parâmetros de poluição no ribeirão Lavapés/Botucatu - SP. <i>Ecletica Quimica</i> , 1997, 22, 49-66.	0.2	22
107	Exigência dietética de fósforo na alimentação por fases da tilápia do Nilo. <i>Revista Principia</i> , 0, , .	0.1	0