

# Amauri Antonio Menegão

## List of Publications by Year in descending order

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73  
papers

916  
citations

471509

17  
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552781

26  
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73  
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73  
docs citations

73  
times ranked

1096  
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#	ARTICLE	IF	CITATIONS
1	Use of diffusive gradient in thin films for in situ measurements: A review on the progress in chemical fractionation, speciation and bioavailability of metals in waters. <i>Analytica Chimica Acta</i> , 2017, 983, 54-66.	5.4	82
2	Use of diffusive gradients in thin films and tangential flow ultrafiltration for fractionation of Al(III) and Cu(II) in organic-rich river waters. <i>Analytica Chimica Acta</i> , 2007, 598, 162-168.	5.4	40
3	Use of <i>Saccharomyces cerevisiae</i> immobilized in agarose gel as a binding agent for diffusive gradients in thin films. <i>Analytica Chimica Acta</i> , 2010, 683, 107-112.	5.4	39
4	Evaluation of the genotoxicity of waters impacted by domestic and industrial effluents of a highly industrialized region of São Paulo State, Brazil, by the comet assay in HTC cells. <i>Environmental Science and Pollution Research</i> , 2015, 22, 1399-1407.	5.3	39
5	Geochemical evolution of groundwater in a basaltic aquifer based on chemical and stable isotopic data: Case study from the Northeastern portion of Serra Geral Aquifer, São Paulo state (Brazil). <i>Journal of Hydrology</i> , 2016, 535, 598-611.	5.4	39
6	On-line determination of Sb(III) and total Sb using baker's yeast immobilized on polyurethane foam and hydride generation inductively coupled plasma optical emission spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2006, 61, 1074-1079.	2.9	37
7	Determination of mercury in river water by diffusive gradients in thin films using P81 membrane as binding layer. <i>Talanta</i> , 2014, 129, 417-421.	5.5	33
8	On-line redox speciation analysis of antimony using l-proline immobilized on controlled pore glass and hydride generation inductively coupled plasma optical emission spectrometry for detection. <i>Analytica Chimica Acta</i> , 2008, 625, 131-136.	5.4	31
9	Preparation of environmental samples for chemical speciation of metal/metalloids: A review of extraction techniques. <i>Talanta</i> , 2021, 226, 122119.	5.5	30
10	Metal speciation of the Paraopeba river after the Brumadinho dam failure. <i>Science of the Total Environment</i> , 2021, 757, 143917.	8.0	24
11	Speciation analysis of Sn(II) and Sn(IV) using baker's yeast and inductively coupled plasma optical emission spectrometry. <i>Mikrochimica Acta</i> , 2007, 157, 201-207.	5.0	23
12	Paper-based diffusive gradients in thin films technique coupled to energy dispersive X-ray fluorescence spectrometry for the determination of labile Mn, Co, Ni, Cu, Zn and Pb in river water. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2012, 71-72, 70-74.	2.9	22
13	In situ selective determination of methylmercury in river water by diffusive gradient in thin films technique (DGT) using baker's yeast ( <i>Saccharomyces cerevisiae</i> ) immobilized in agarose gel as binding phase. <i>Analytica Chimica Acta</i> , 2015, 887, 38-44.	5.4	22
14	Novel Zinc(II) Complexes [Zn(atc-Et) <sub>2</sub> ] and [Zn(atc-Ph) <sub>2</sub> ]: In Vitro and in Vivo Antiproliferative Studies. <i>International Journal of Molecular Sciences</i> , 2016, 17, 781.	4.1	21
15	Evaluation of diffusive gradients in thin films technique (DGT) for measuring Al, Cd, Co, Cu, Mn, Ni, and Zn in Amazonian rivers. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 961-969.	2.7	18
16	Speciation analysis of inorganic arsenic in river water by Amberlite IRA 910 resin immobilized in a polyacrylamide gel as a selective binding agent for As(v) in diffusive gradient thin film technique. <i>Analyst</i> , 2014, 139, 4373.	3.5	18
17	A hydride generation flow system for determination of arsenic and selenium by total reflection X-ray fluorescence spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2004, 59, 1481-1484.	2.9	17
18	Speciation of lead in seawater and river water by using <i>Saccharomyces cerevisiae</i> immobilized in agarose gel as a binding agent in the diffusive gradients in thin films technique. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 1581-1588.	3.7	17

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19	In situ speciation of uranium in treated acid mine drainage using the diffusion gradients in thin films technique (DGT). <i>Chemosphere</i> , 2017, 169, 249-256.	8.2	17
20	New Silver(I) Coordination Compound Loaded into Polymeric Nanoparticles as a Strategy to Improve <i>In Vitro</i> Anti- <i>Helicobacter pylori</i> Activity. <i>Molecular Pharmaceutics</i> , 2020, 17, 2287-2298.	4.6	17
21	Cu(II) adsorption from aqueous solution using red mud activated by chemical and thermal treatment. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	16
22	Predicting Trace Metal Exposure in Aquatic Ecosystems: Evaluating DGT as a Biomonitoring Tool. <i>Exposure and Health</i> , 2020, 12, 19-31.	4.9	16
23	Determination of Cd(II) and Cd-metallothioneins in biological extracts using baker's yeast and inductively coupled plasma optical emission spectrometry. <i>Mikrochimica Acta</i> , 2007, 159, 247-254.	5.0	15
24	Precipitation as the main mechanism for Cd(II), Pb(II) and Zn(II) removal from aqueous solutions using natural and activated forms of red mud. <i>Environmental Advances</i> , 2021, 4, 100056.	4.8	15
25	Determination of in situ speciation of manganese in treated acid mine drainage water by using multiple diffusive gradients in thin films devices. <i>Analytica Chimica Acta</i> , 2013, 799, 23-28.	5.4	14
26	Not Good, but Not All Bad: Dehydration Effects on Body Fluids, Organ Masses, and Water Flux through the Skin of <i>Rhinella schneideri</i> (Amphibia, Bufonidae). <i>Physiological and Biochemical Zoology</i> , 2017, 90, 313-320.	1.5	14
27	Determination of labile inorganic and organic species of Al and Cu in river waters using the diffusive gradients in thin films technique. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 2563-2570.	3.7	13
28	Determination of labile barium in petroleum-produced formation water using paper-based DGT samplers. <i>Talanta</i> , 2012, 100, 425-431.	5.5	13
29	In situ arsenic speciation at the soil/water interface of saline-alkaline lakes of the Pantanal, Brazil: A DGT-based approach. <i>Science of the Total Environment</i> , 2022, 804, 150113.	8.0	13
30	Evaluation of Fe uptake and translocation in transgenic and non-transgenic soybean plants using enriched stable $^{57}\text{Fe}$ as a tracer. <i>Metallomics</i> , 2014, 6, 1832-1840.	2.4	12
31	Measurements of labile Cd, Cu, Ni, Pb, and Zn levels at a northeastern Brazilian coastal area under the influence of oil production with diffusive gradients in thin films technique (DGT). <i>Science of the Total Environment</i> , 2014, 500-501, 325-331.	8.0	12
32	Hybrid treatment system for remediation of sugarcane vinasse. <i>Science of the Total Environment</i> , 2019, 659, 115-121.	8.0	12
33	Adsorption of Ni(II), Pb(II) and Zn(II) on Ca(NO <sub>3</sub> ) <sub>2</sub> -Neutralised Red Mud. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	2.4	11
34	In situ redox speciation analysis of chromium in water by diffusive gradients in thin films using a DE81 anion exchange membrane. <i>Talanta</i> , 2016, 154, 299-303.	5.5	10
35	Bioconcentration of Cd and Pb by the river crab <i>Trichodactylus fluviatilis</i> (crustacea: decapoda). <i>Journal of the Brazilian Chemical Society</i> , 2011, 22, 230-238.	0.6	9
36	Elemental and isotopic determination of lead (Pb) in particulate matter in the Brazilian city of Goiânia (GO) using ICP-MS technique. <i>Environmental Science and Pollution Research</i> , 2017, 24, 20616-20625.	5.3	9

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37	In situ determination of V(V) by diffusive gradients in thin films and inductively coupled plasma mass spectrometry techniques using amberlite IRA-410 resin as a binding layer. <i>Analytica Chimica Acta</i> , 2017, 950, 32-40.	5.4	9
38	Functionalized Mesoporous Silicon Nanomaterials in Inorganic Soil Pollution Research: Opportunities for Soil Protection and Advanced Chemical Imaging. <i>Current Pollution Reports</i> , 2020, 6, 264-280.	6.6	9
39	Bioavailability of Metals at a Southeastern Brazilian Coastal Area of High Environmental Concern Under Anthropogenic Influence: Evaluation Using Transplanted Bivalves ( <i>Nodipecten nodosus</i> ) and the DGT Technique. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	2.4	8
40	Multi-tracer analysis to estimate the historical evolution of pollution in riverbed sediment of subtropical watershed, the lower course of the Piracicaba River, São Paulo, Brazil. <i>Science of the Total Environment</i> , 2020, 743, 140730.	8.0	8
41	PrÃ©-concentraÃ§Ã£o de cÃ¡dmio com <i>Saccharomyces cerevisiae</i> e determinaÃ§Ã£o em Ãguas fluviais usando espectrometria de emissÃ£o Ã³ptica com plasma indutivamente acoplado. <i>Quimica Nova</i> , 2007, 30, 323-326.	0.3	8
42	Boron isotope ratios in plants enriched in $^{10}\text{B}$ as determined by direct injection nebulization inductively coupled plasma mass spectrometry. <i>Communications in Soil Science and Plant Analysis</i> , 2001, 32, 1981-1990.	1.4	7
43	Stable isotopes, carbon-14 and hydrochemical composition from a basaltic aquifer in São Paulo State, Brazil. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	2.7	7
44	Isotopic composition of precipitation during strong El Niño/Southern Oscillation events in the Southeast Region of Brazil. <i>Hydrological Processes</i> , 2019, 33, 647-660.	2.6	7
45	Coefficientes de difusão de metais em materiais não convencionais (agarose e acetato de celulose) usados na técnica de difusão em filmes finos por gradientes de concentração. <i>Quimica Nova</i> , 2012, 35, 1360-1364.	0.3	7
46	Residual biomass of coffee as a binding agent in diffusive gradients in thin-films technique for Cd, Cu, Ni, Pb and Zn measurement in waters. <i>Talanta</i> , 2019, 205, 120148.	5.5	5
47	Chemical weathering rates of clastic sedimentary rocks from the Paraná Basin in the Paulista Peripheral Depression, Brazil. <i>Journal of South American Earth Sciences</i> , 2019, 96, 102369.	1.4	5
48	Carbon Soil Storage and Technologies to Increase Soil Carbon Stocks in the South American Savanna. <i>Sustainability</i> , 2022, 14, 5571.	3.2	5
49	Tilapia ( <i>Oreochromis niloticus</i> ) as a Bioindicator of Copper and Cadmium Toxicity. A Bioavailability Approach. <i>Journal of the Brazilian Chemical Society</i> , 2016, .	0.6	4
50	Metals and metalloids in green turtle hepatic tissue ( <i>Chelonia mydas</i> ) from Santos Basin, Brazil. <i>Environmental Research</i> , 2022, 203, 111835.	7.5	4
51	HIDROGEOQUÍMICA DAS ÁGUAS SUBTERRÂNEAS DO AQUÍFERO SERRA GERAL NA PORÇÃO CENTRO SUL DO ESTADO DE SÃO PAULO. <i>Revista Águas Subterrâneas</i> , 2013, 27, .	0.1	4
52	Determinação seletiva de tributilestanho na presença de Sn(IV) em amostras ambientais usando HG-ICP OES e <i>Saccharomyces cerevisiae</i> como material sorvente. <i>Quimica Nova</i> , 2010, 33, 1529-1534.	0.3	4
53	In situ fractionation and redox speciation of arsenic in soda lakes of Nhecolândia (Pantanal, Brazil) using the diffusive gradients in thin films (DGT) technique. <i>Chemosphere</i> , 2022, 288, 132592.	8.2	4
54	A new approach to improve the accuracy of DGT (Diffusive Gradients in Thin-films) measurements in monitoring wells. <i>Talanta</i> , 2022, 238, 123044.	5.5	4

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55	Biomassas brasileiras aplicadas à remoção de urânio de drenagem ácida de minas por processos de biossorção. <i>Holos Environment</i> , 2017, 17, 149.	0.1	3
56	Determination of cobalt marker in cow ruminal fluid by EDXRF and SRTXRF. <i>X-Ray Spectrometry</i> , 2011, 40, 424-426.	1.4	2
57	Lability and bioavailability of Co, Fe, Pb, U and Zn in a uranium mining restoration site using DGT and phytoscreening. <i>Environmental Science and Pollution Research</i> , 2021, 28, 57149-57165.	5.3	2
58	Elemental Composition of Particulate Matter in the Southeastern Brazilian Ceramic Pole by Synchrotron Radiation X-ray Fluorescence Technique (SR-XRF). <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	2
59	Bioaccumulation of Tributyltin by Blue Crabs. <i>Journal of the Brazilian Chemical Society</i> , 2013, , .	0.6	2
60	Quantificação das emissões de CO <sub>2</sub> pelo solo em áreas sob diferentes estádios de restauração no domínio da mata atlântica. <i>Quimica Nova</i> , 0, , .	0.3	2
61	ACUMULAÇÃO DE COBRE E CÁDMIO EM BRÂNCUIAS E TECIDO MUSCULAR DE TILÁPIA ( <i>Oreochromis</i> ) Tj ETQq1,1 0.784314 rgBT 0,5 1	0.5	1
62	Adsorção de Cd(II) por lama vermelha natural e com diferentes ativações. <i>Geochimica Brasiliensis</i> , 2019, 33, 76-88.	0.4	1
63	The Fertilizer-Effect on Al, Ba, Fe, Mn and Ni Released in a Watershed with Influence of Sugar Cane Crops in the São Paulo State, Brazil. <i>Journal of Water Resource and Protection</i> , 2019, 11, 638-650.	0.8	1
64	Evaluation of the phenyl-bonded silica-based sorbent for pre-concentration of the booster antifouling biocides Zinc Pyrithione, Zineb and Ziram using solid-phase extraction technique and Inductively Coupled Plasma Mass Spectrometry. <i>Eletica Química</i> , 2020, 45, 21-31.	0.5	1
65	In situdifferentiation of labile/inert metal species in Brazilian tropical rivers by means of a time-controlled batch-procedure based on TEPHA resin. <i>International Journal of Environmental Analytical Chemistry</i> , 2011, 91, 1296-1309.	3.3	0
66	Multielemental evaluation of garbage bags by EDXRF. <i>International Journal of Environmental Analytical Chemistry</i> , 2014, 94, 1113-1122.	3.3	0
67	Functionalization of kaolinite for removal of phosphate from urban sewage. <i>MethodsX</i> , 2021, 8, 101423.	1.6	0
68	ONDAS ULTRASSÔNICAS: BIOEFEITOS SOBRE CÉLULAS DE LEVEDURAS. <i>Holos Environment</i> , 2012, 12, 41.	0.1	0
69	Ultrasonic waves: Bioeffects on yeast cells. , 2012, , .		0
70	DETERMINATION OF TIN IN ENVIRONMENTAL SAMPLES BY ATOMIC FLUORESCENCE SPECTROMETRY. <i>Quimica Nova</i> , 2016, , .	0.3	0
71	DETERMINAÇÃO DE MERCÚRIO EM FÂGADO DE TETRAPODES MARINHOS POR ESPECTROMETRIA DE FLUORESCÊNCIA ATÔMICA ACOPLADA A GERAÇÃO DE VAPOR FRIO (CV-AFS) E ESPECTROMETRIA DE MASSA COM FONTE DE PLASMA INDUTIVAMENTE ACOPLADO (ICP-MS): UMA COMPARAÇÃO SISTEMÁTICA ENTRE AS DUAS TÉCNICAS. <i>Quimica Nova</i> . 2020. , .	0.3	0
72	Mercury Concentration in Liver Tissues of South American Fur Seals ( <i>Arctocephalus australis</i> ) from Southwestern Atlantic Ocean. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	0

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73	MONITORAMENTO E REMOÇÃO DE METAIS NA DIGESTÃO ANAERÓBIA TERMOFÍLICA EXTREMA DE VINHAÇA DE CANA-DE-ÁCUCAR. Revista Agroecossistemas, 2021, 13, 171.	0.1	0