André Henrique Rosa

List of Publications by Year in descending order

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124 papers 3,228 citations

28 h-index 51 g-index

124 all docs

124 docs citations

times ranked

124

3986 citing authors

#	Article	IF	CITATIONS
1	Engineered nanoparticles and organic matter: A review of the state-of-the-art. Chemosphere, 2015, 119, 608-619.	8.2	271
2	Paraquat-loaded alginate/chitosan nanoparticles: Preparation, characterization and soil sorption studies. Journal of Hazardous Materials, 2011, 190, 366-374.	12.4	229
3	Application of poly(epsilon-caprolactone) nanoparticles containing atrazine herbicide as an alternative technique to control weeds and reduce damage to the environment. Journal of Hazardous Materials, 2014, 268, 207-215.	12.4	218
4	Poly(É)-caprolactone)nanocapsules as carrier systems for herbicides: Physico-chemical characterization and genotoxicity evaluation. Journal of Hazardous Materials, 2012, 231-232, 1-9.	12.4	194
5	Controlled release system for ametryn using polymer microspheres: Preparation, characterization and release kinetics in water. Journal of Hazardous Materials, 2011, 186, 1645-1651.	12.4	116
6	Application of orange peel waste in the production of solid biofuels and biosorbents. Bioresource Technology, 2015, 196, 469-479.	9.6	95
7	Polymeric alginate nanoparticles containing the local anesthetic bupivacaine. Journal of Drug Targeting, 2010, 18, 688-699.	4.4	77
8	Multimethod study of the degree of humification of humic substances extracted from different tropical soil profiles in Brazil's Amazonian region. Geoderma, 2005, 127, 1-10.	5.1	66
9	Chitosan nanoparticles loaded the herbicide paraquat: The influence of the aquatic humic substances on the colloidal stability and toxicity. Journal of Hazardous Materials, 2015, 286, 562-572.	12.4	66
10	Characterization of Atrazine-Loaded Biodegradable Poly(Hydroxybutyrate-Co-Hydroxyvalerate) Microspheres. Journal of Polymers and the Environment, 2010, 18, 26-32.	5 . 0	65
11	Biosorption of Cr(III) using in natura and chemically treated tropical peats. Journal of Hazardous Materials, 2009, 163, 517-523.	12.4	58
12	An electroanalytical application of 2-aminothiazole-modified silica gel after adsorption and separation of Hg(II) from heavy metals in aqueous solution. Electrochimica Acta, 2006, 52, 965-972.	5 . 2	56
13	Poly(ε-caprolactone) nanocapsules carrying the herbicide atrazine: effect of chitosan-coating agent on physico-chemical stability and herbicide release profile. International Journal of Environmental Science and Technology, 2014, 11, 1691-1700.	3.5	47
14	Poly(hydroxybutyrate-co-hydroxyvalerate) microspheres loaded with atrazine herbicide: screening of conditions for preparation, physico-chemical characterization, and in vitro release studies. Polymer Bulletin, 2011, 67, 479-495.	3.3	43
15	Reduction of mercury(II) by tropical river humic substances (Rio Negro) — A possible process of the mercury cycle in Brazil. Talanta, 2000, 53, 551-559.	5.5	42
16	Poly(Lactide-co-Glycolide) Nanocapsules Containing Benzocaine: Influence of the Composition of the Oily Nucleus on Physico-Chemical Properties and Anesthetic Activity. Pharmaceutical Research, 2011, 28, 1984-1994.	3.5	41
17	Use of diffusive gradients in thin films and tangential flow ultrafiltration for fractionation of Al(III) and Cu(II) in organic-rich river waters. Analytica Chimica Acta, 2007, 598, 162-168.	5.4	40
18	Benzocaine-Loaded Polymeric Nanocapsules: Study of the Anesthetic Activities. Journal of Pharmaceutical Sciences, 2012, 101, 1157-1165.	3.3	40

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19	Preparation and Characterization of Poly(ε-Caprolactone) Nanospheres Containing the Local Anesthetic Lidocaine. Journal of Pharmaceutical Sciences, 2013, 102, 215-226.	3.3	40
20	Structure and properties of brazilian peat: analysis by spectroscopy and microscopy. Journal of the Brazilian Chemical Society, 2007, 18, 714-720.	0.6	38
21	Study of the interaction between hydroxymethylnitrofurazone and 2-hydroxypropyl-Î ² -cyclodextrin. Journal of Pharmaceutical and Biomedical Analysis, 2008, 47, 295-302.	2.8	37
22	Preconcentration and determination of metal ions from fuel ethanol with a new 2,2′-dipyridylamine bonded silica. Journal of Colloid and Interface Science, 2013, 391, 116-124.	9.4	36
23	Initial Development and Characterization of PLGA Nanospheres Containing Ropivacaine. Journal of Biological Physics, 2007, 33, 455-461.	1.5	34
24	High efficiency removal of As(III) from waters using a new and friendly adsorbent based on sugarcane bagasse and corncob husk Fe-coated biochars. Ecotoxicology and Environmental Safety, 2018, 162, 616-624.	6.0	33
25	Peat humic substances enriched with nutrients for agricultural applications: Competition between nutrients and non-essential metals present in tropical soils. Journal of Hazardous Materials, 2010, 177, 307-311.	12.4	31
26	Physicochemical stability of poly(lactide-co-glycolide) nanocapsules containing the local anesthetic Bupivacaine. Journal of the Brazilian Chemical Society, 2010, 21, 995-1000.	0.6	31
27	Selective Sorption of Mercury(II) from Aqueous Solution with an Organically Modified Clay and its Electroanalytical Application. Separation Science and Technology, 2006, 41, 733-746.	2.5	30
28	Comparison of the univariate and multivariate methods in the optimization of experimental conditions for determining Cu, Pb, Ni and Cd in biodiesel by GFAAS. Fuel, 2009, 88, 1907-1914.	6.4	30
29	NanopartÃculas de alginato como sistema de liberação para o herbicida clomazone. Quimica Nova, 2010, 33, 1868-1873.	0.3	29
30	Mapping soil pollution by spatial analysis and fuzzy classification. Environmental Earth Sciences, 2010, 60, 495-504.	2.7	28
31	Development of hydrophilic nanocarriers for the charged form of the local anesthetic articaine. Colloids and Surfaces B: Biointerfaces, 2014, 121, 66-73.	5.0	28
32	Interaction between nitroheterocyclic compounds with \hat{l}^2 -cyclodextrins: Phase solubility and HPLC studies. Journal of Pharmaceutical and Biomedical Analysis, 2008, 47, 865-869.	2.8	27
33	Benzocaine loaded biodegradable poly-(d,l-lactide-co-glycolide) nanocapsules: factorial design and characterization. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 165, 243-246.	3.5	27
34	A new application of humic substances: activation of supports for invertase immobilization. Fresenius' Journal of Analytical Chemistry, 2000, 368, 730-733.	1.5	26
35	Adsorption/desorption of arsenic by tropical peat: influence of organic matter, iron and aluminium. Environmental Technology (United Kingdom), 2015, 36, 149-159.	2.2	26
36	Substâncias húmicas de turfa: estudo dos parâmetros que influenciam no processo de extração alcalina. Quimica Nova, 2000, 23, 472-476.	0.3	25

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37	Development of a method to determine Ni and Cd in biodiesel by graphite furnace atomic absorption spectrometry. Fuel, 2011, 90, 142-146.	6.4	25
38	Selfâ€Organizing Maps for Evaluation of Biogeochemical Processes and Temporal Variations in Water Quality of Subtropical Reservoirs. Water Resources Research, 2019, 55, 10268-10281.	4.2	25
39	Reduction of mercury(II) by tropical river humic substances (Rio Negro)â€"Part II. Influence of structural features (molecular size, aromaticity, phenolic groups, organically bound sulfur). Talanta, 2003, 61, 699-707.	5.5	24
40	Toxicity assessment of arsenic and cobalt in the presence of aquatic humic substances of different molecular sizes. Ecotoxicology and Environmental Safety, 2017, 139, 1-8.	6.0	23
41	Multi-method Study on Aquatic Humic Substances from the "Rio Negro" - Amazonas State/Brazil: Emphasis on Molecular-Size Classification of their Metal Contents. Journal of the Brazilian Chemical Society, 1999, 10, 169-175.	0.6	22
42	Tangential-flow ultrafiltration: a versatile methodology for determination of complexation parameters in refractory organic matter from Brazilian water and soil samples. Analytical and Bioanalytical Chemistry, 2003, 375, 1097-1100.	3.7	22
43	Influence of alkaline extraction on the characteristics of humic substances in Brazilian soils. Thermochimica Acta, 2005, 433, 77-82.	2.7	22
44	Study on soluble heavy metals with preconcentration by using a new modified oligosilsesquioxane sorbent. Journal of Hazardous Materials, 2012, 237-238, 215-222.	12.4	22
45	Spatial distribution, bioavailability, and toxicity of metals in surface sediments of tropical reservoirs, Brazil. Environmental Monitoring and Assessment, 2018, 190, 199.	2.7	22
46	Preparation of a Clay-modified Carbon Paste Electrode Based on 2-Thiazoline-2-thiol-hexadecylammonium Sorption for Sensitive Determination of Mercury. Analytical Sciences, 2005, 21, 1309-1316.	1.6	21
47	Reduction capability of soil humic substances from the Rio Negro basin, Brazil, towards Hg(II) studied by a multimethod approach and principal component analysis (PCA). Geoderma, 2007, 138, 229-236.	5.1	21
48	Dynamics and Heterogeneity of Pb(II) Binding by SiO ₂ Nanoparticles in an Aqueous Dispersion. Langmuir, 2011, 27, 7877-7883.	3. 5	21
49	Fecal Sterols in Estuarine Sediments as Markers of Sewage Contamination in the Cubatão Area, São Paulo, Brazil. Aquatic Geochemistry, 2012, 18, 433-443.	1.3	21
50	Desenvolvimento de nanocápsulas de poli-ε-caprolactona contendo o herbicida atrazina. Quimica Nova, 2012, 35, 132-137.	0.3	21
51	Water quality, pollutant loads, and multivariate analysis of the effects of sewage discharges into urban streams of Southeast Brazil. Energy, Ecology and Environment, 2017, 2, 259-276.	3.9	21
52	An Alternative Methodology for the Extraction of Humic Substances from Organic Soils. Journal of the Brazilian Chemical Society, 1998, 9, 51-56.	0.6	20
53	Preparation of a silica gel modified with 2-amino-1,3,4-thiadiazole for adsorption of metal ions and electroanalytical application. Journal of the Brazilian Chemical Society, 2006, 17, 473-481.	0.6	20
54	Desenvolvimento e caracterização de nanocápsulas de poli (L-lactÃdeo) contendo benzocaÃna. Quimica Nova, 2010, 33, 65-69.	0.3	20

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55	Preconcentration and Determination of Mercury(II) at a Chemically Modified Electrode Containing 3-(2-Thioimidazolyl)propyl Silica Gel. Analytical Sciences, 2005, 21, 1359-1363.	1.6	19
56	A structural conformation study of aquatic humic acid. Journal of the Brazilian Chemical Society, 2006, 17, 1014-1019.	0.6	19
57	Towards field trace metal speciation using electroanalytical techniques and tangential ultrafiltration. Talanta, 2016, 152, 112-118.	5.5	18
58	Screening of Conditions for the Preparation of Poly(-Caprolactone) Nanocapsules Containing the Local Anesthetic Articaine. Journal of Colloid Science and Biotechnology, 2013, 2, 106-111.	0.2	18
59	Human risk assessment of toxic elements (As, Cd, Hg, Pb) in marine fish from the Amazon. Chemosphere, 2022, 301, 134575.	8.2	18
60	Distribution and bioavailability of arsenic in natural waters of a mining area studied by ultrafiltration and diffusive gradients in thin films. Chemosphere, 2016, 164, 290-298.	8.2	17
61	Hydroxymethylnitrofurazone:Dimethyl-β-cyclodextrin Inclusion Complex: A Physical–Chemistry Characterization. Journal of Biological Physics, 2007, 33, 445-453.	1.5	16
62	Substâncias húmicas aquáticas: fracionamento molecular e caracterização de rearranjos internos após complexação com Ãons metálicos. Quimica Nova, 2001, 24, 339-344.	0.3	16
63	The influence of seasonalness on the structural characteristics of aquatic humic substances extracted from Negro River (Amazon State) waters: interactions with Hg(II). Journal of the Brazilian Chemical Society, 2007, 18, 860-868.	0.6	15
64	Effects of Fe(III) and quality of humic substances on As(V) distribution in freshwater: Use of ultrafiltration and Kohonen neural network. Chemosphere, 2017, 188, 208-217.	8.2	15
65	Kinetics and Adsorption Isotherms of Bisphenol A, Estrone, $17\hat{l}^2$ -Estradiol, and $17\hat{l}_{\pm}$ -Ethinylestradiol in Tropical Sediment Samples. Water, Air, and Soil Pollution, 2012, 223, 329-336.	2.4	14
66	Lethal and sublethal effects of metal-polluted sediments on Chironomus sancticaroli Strixino and Strixino, 1981. Ecotoxicology, 2018, 27, 286-299.	2.4	14
67	Interactions of chlorine with tropical aquatic fulvic acids and formation of intermediates observed by fluorescence spectroscopy. Journal of the Brazilian Chemical Society, 2004, 15, 421-426.	0.6	13
68	Determination of labile inorganic and organic species of Al and Cu in river waters using the diffusive gradients in thin films technique. Analytical and Bioanalytical Chemistry, 2011, 399, 2563-2570.	3.7	13
69	Screening of Formulation Variables for the Preparation of Poly($\langle I \rangle \hat{l} \mu \langle I \rangle$ -caprolactone) Nanocapsules Containing the Local Anesthetic Benzocaine. Journal of Nanoscience and Nanotechnology, 2011, 11, 2450-2457.	0.9	13
70	Study of adsorption and preconcentration by using a new silica organomodified with [3â€{2,2′â€dipyridylamine)propyl] groups. Journal of Separation Science, 2013, 36, 817-825.	2.5	13
71	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. Analytical and Bioanalytical Chemistry, 2006, 386, 2153-2160.	3.7	12
72	Encapsulation of Local Anesthetic Bupivacaine in Biodegradable Poly(DLâ€lactideâ€∢i>co⟨i>â€glycolide) Nanospheres: Factorial Design, Characterization and Cytotoxicity Studies. Macromolecular Symposia, 2009, 281, 106-112.	0.7	12

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73	Approach combining on-line metal exchange and tangential-flow ultrafiltration for in-situ characterization of metal species in humic hydrocolloids. Analytical and Bioanalytical Chemistry, 2010, 397, 851-860.	3.7	12
74	Characterization of the interactions between endocrine disruptors and aquatic humic substances from tropical rivers. Journal of the Brazilian Chemical Society, 2011, 22, 1103-1110.	0.6	12
75	Dielectric properties of thermosetting material nanocomposites. Journal of Applied Polymer Science, 2007, 106, 205-213.	2.6	11
76	Estudo da labilidade de Cu(II), Cd(II), Mn(II) e Ni(II) em substâncias húmicas aquáticas utilizando-se membranas celulósicas organomodificadas. Quimica Nova, 2007, 30, 59-65.	0.3	11
77	Development of a water quality index using a fuzzy logic: A case study for the Sorocaba river. , 2010, , .		10
78	Organosulphur-modified biochar: An effective green adsorbent for removing metal species in aquatic systems. Surfaces and Interfaces, 2021, 22, 100822.	3.0	10
79	Thermal decomposition kinetics of humic substances extracted from mid-Rio Negro (Amazon Basin) soil samples. Journal of the Brazilian Chemical Society, 2009, 20, 1135-1141.	0.6	9
80	Interaction of arsenic species with tropical river aquatic humic substances enriched with aluminum and iron. Environmental Science and Pollution Research, 2016, 23, 6205-6216.	5.3	9
81	Multi-proxy approach involving ultrahigh resolution mass spectrometry and self-organising maps to investigate the origin and quality of sedimentary organic matter across a subtropical reservoir. Organic Geochemistry, 2021, 151, 104165.	1.8	9
82	Water quality indices as a tool for evaluating water quality and effects of land use in a tropical catchment. International Journal of River Basin Management, 2021, 19, 157-168.	2.7	9
83	Paleolimnological evidence of environmental changes in seven subtropical reservoirs based on metals, nutrients, and sedimentation rates. Catena, 2021, 206, 105432.	5.0	9
84	Factorial Design and Characterization Studies for Articaine Hydrochloride Loaded Alginate/Chitosan Nanoparticles. Journal of Colloid Science and Biotechnology, 2013, 2, 146-152.	0.2	9
85	Extraction and exchange behavior of metal species in therapeutically applied peat. Talanta, 2002, 58, 969-978.	5. 5	8
86	Development of a new analytical approach based on cellulose membrane and chelator for differentiation of labile and inert metal species in aquatic systems. Analytica Chimica Acta, 2006, 567, 152-159.	5.4	8
87	Distribuição de metais e caracterização das constantes de troca entre espécies metálicas e frações húmicas aquáticas de diferentes tamanhos moleculares. Quimica Nova, 2002, 25, 1103-1107.	0.3	8
88	Efeito da associação do herbicida clomazone a nanoesferas de alginato/quitosana na sorção em solos. Quimica Nova, 2012, 35, 102-107.	0.3	7
89	Permanent occurrence of Raphidiopsis raciborskii and cyanotoxins in a subtropical reservoir polluted by domestic effluents (Itupararanga reservoir, São Paulo, Brazil). Environmental Science and Pollution Research, 2022, 29, 18653-18664.	5.3	7
90	Substâncias húmicas: sistema de fracionamento sequencial por ultrafiltração com base no tamanho molecular. Quimica Nova, 2000, 23, 410.	0.3	6

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91	Validação de metodologia analÃŧica por cromatografia lÃquida de alta eficiência para quantificação de bupivacaÃna (S75-R25) em nanoesferas de poli(lactÃdeo-co-glicolÃdeo). Quimica Nova, 2008, 31, 2152-2155.	0.3	6
92	Competition between humic substances and alpha-amino acids by metal species. Journal of the Brazilian Chemical Society, 2004, 15, 437-440.	0.6	6
93	Characterization of humic-rich hydrocolloids and their metal species by means of competing ligand and metal exchange—an on-site approach. Journal of Environmental Monitoring, 2002, 4, 799-802.	2.1	5
94	A Flow-Injection-ICP System Sequential Multielemental Analysis with Simultaneously Mercury(II) Preconcentration Step. Analytical Letters, 2003, 36, 781-795.	1.8	5
95	Preparação de membranas de acetato de celulose organomodificadas para adsorção dos Ãons Cu(II), Cd(II), Mn(II) e Ni(II). Quimica Nova, 2010, 33, 1135-1140.	0.3	5
96	Combustion and Pyrolysis of a Sludge Form Wastewater Treatment Plant. Materials Science Forum, 0, 660-661, 1009-1014.	0.3	5
97	Influência do tipo de coleta (comum ou seletiva) na reciclagem de filmes de poliolefinas pós-consumo. Polimeros, 2008, 18, 289-296.	0.7	4
98	Análise da influência das atividades antrópicas sobre a qualidade da água da APA Itupararanga (SP), Brasil. Geosul, 2019, 34, 01-27.	0.1	4
99	VARIAÇÃO ESPACIAL DO GRAU DE TROFIA E DA BIOMASSA FITOPLANCTÔNICA NO RESERVATÓRIO DE ITUPARARANGA (SÃO PAULO, BRASIL). Holos Environment, 2011, 11, 170.	0.1	4
100	In situ application of a cellulose bag and an ion exchanger for differentiation of labile and inert metal species in aquatic systems. Analytical and Bioanalytical Chemistry, 2008, 390, 1173-1180.	3.7	3
101	Removal of a combination of endocrine disruptors from aqueous systems by seedlings of radish and ryegrass. Environmental Technology (United Kingdom), 2013, 34, 3129-3136.	2.2	3
102	ANÃŁISE DA SUSCETIBILIDADE DO SOLO A PROCESSOS EROSIVOS DO PARQUE NATURAL MUNICIPAL CORREDORES DE BIODIVERSIDADE (PNMCBIO) DE SOROCABA (SP). RA'E GA - O Espaco Geografico Em Analise, 0, 44, 169.	0.1	3
103	Distinct weather conditions and human mobility impacts on the SARS-CoV-2 outbreak in Colombia: Application of an artificial neural network approach. International Journal of Hygiene and Environmental Health, 2021, 238, 113833.	4.3	3
104	Taxonomic and non-taxonomic responses of benthic macroinvertebrates to metal toxicity in tropical reservoirs. The case of Cantareira Complex, São Paulo, Brazil. Anais Da Academia Brasileira De Ciencias, 2020, 92, e20180962.	0.8	3
105	Adsorption and Release of Micronutrients by Humin Extracted from Peat Samples. Journal of the Brazilian Chemical Society, 2013, , .	0.6	3
106	Analyses of colloidal, truly dissolved, and DGT-labile metal species and phosphorus in mining area surrounded by tailing dams using self-organising maps. Chemosphere, 2022, 303, 135003.	8.2	3
107	Aquatic Humic Substances: Relationship Between Origin and Complexing Capacity. Bulletin of Environmental Contamination and Toxicology, 2018, 100, 627-633.	2.7	2
108	Proposta metodológica para identificação de riscos associados ao relevo e antropização em áreas marginais aos recursos hAdricos. Scientia Plena, 2019, 15, .	0.2	2

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109	Enrichment of Tropical Peat with Micronutrients for Agricultural Applications: Evaluation of Adsorption and Desorption Processes. Journal of the Brazilian Chemical Society, 2013, , .	0.6	2
110	Application of chitosan film as a binding phase in the diffusive gradients in thin films technique (DGT) for measurement of metal ions in aqueous solution. Analytical and Bioanalytical Chemistry, 2020, 412, 703-714.	3.7	1
111	Influence of the Extractant on the Complexing Capacity of Humic Substances from Peat for Macro and Micronutrients Using Continuous Flow: Agricultural Application and Environmental Impacts. Journal of the Brazilian Chemical Society, 2013, , .	0.6	1
112	Redução de crômio hexavalente por substâncias húmicas aquáticas imobilizadas em aminopropil sÃlica. Ecletica Quimica, 2002, 27, 383-391.	0.5	1
113	Análise da Variabilidade Espacial Horizontal e Vertical dos Atributos do Solo e sua Relevância para o Parque Natural Chico Mendes, SP. Revista Brasileira De Geografia Fisica, 2020, 12, 2537-2550.	0.1	1
114	Statistical Approaches Link Sources of Sediment Contamination in Subtropical Reservoirs to Land Use: an Example from the Itupararanga Reservoir (Brazil). Water, Air, and Soil Pollution, 2022, 233, 1.	2.4	1
115	Use of Sludge as Ceramic Materials. Materials Science Forum, 0, 660-661, 1003-1008.	0.3	0
116	The Effect of Anionic Sorption on the Metakaolinite. Materials Science Forum, 2010, 660-661, 1015-1018.	0.3	O
117	In situdifferentiation of labile/inert metal species in Brazilian tropical rivers by means of a time-controlled batch-procedure based on TEPHA resin. International Journal of Environmental Analytical Chemistry, 2011, 91, 1296-1309.	3.3	0
118	Ceramic Material from Sewage Sludge as Support Material Supply Water Filtration. Materials Science Forum, 0, 727-728, 1398-1401.	0.3	O
119	Distribuição de Cr, Ni, Cu, Cd e Pb em frações húmicas de diferentes tamanhos moleculares extraÃdas de amostras de água e de sedimentos do reservatório de captação de água superficial Anhumas - Araraquara-SP. Ecletica Quimica, 2002, 27, .	0.5	0
120	Extração de matéria orgânica aquática por abaixamento de temperatura: uma metodologia alternativa para manter a identidade da amostra. Quimica Nova, 2003, 26, 208-212.	0.3	O
121	Direct Determination of Cu, Cd, Ni and Pb in Aquatic Humic Substances by Graphite Furnace Atomic Absorption Spectrometry. Current Analytical Chemistry, 2011, 7, 220-224.	1.2	0
122	Correlação espacial compartimentada dos padrões de drenagem com caracterÃsticas morfométricas da bacia hidrográfica do rio Pirajibu-Mirim. Revista Brasileira De Geomorfologia, 2022, 23, .	0.2	0
123	Ecotoxicological assessment of hospital wastewater: analysis of regression models. International Journal of Environmental Studies, 2023, 80, 1598-1616.	1.6	O
124	Benthic fluxes in a subtropical reservoir estimated by pore-water diffusion calculation. Water, Air, and Soil Pollution, 2022, 233, .	2.4	0