

Affonso Celso Goncalves Junior

List of Publications by Year in descending order

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65
papers

728
citations

567144

15
h-index

642610

23
g-index

66
all docs

66
docs citations

66
times ranked

835
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal of metal ions Cd (II), Pb (II), and Cr (III) from water by the cashew nut shell <i>Anacardium occidentale</i> L. <i>Ecological Engineering</i> , 2014, 73, 514-525.	1.6	97
2	Chemical modifications on pinus bark for adsorption of toxic metals. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 1271-1278.	3.3	40
3	Biosorption and removal of chromium from water by using moringa seed cake (<i>Moringa oleifera</i> Lam.). <i>Quimica Nova</i> , 2013, 36, 1104-1110.	0.3	32
4	Removal of toxic metals using endocarp of açai-berry as biosorbent. <i>Water Science and Technology</i> , 2018, 77, 1547-1557.	1.2	30
5	Development of biochar and activated carbon from cigarettes wastes and their applications in Pb ²⁺ adsorption. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104980.	3.3	27
6	Growth and accumulation of Pb by roots and shoots of <i>Brassica juncea</i> L.. <i>International Journal of Phytoremediation</i> , 2020, 22, 134-139.	1.7	25
7	Phytoremediation capacity, growth and physiological responses of <i>Crambe abyssinica</i> Hochst on soil contaminated with Cd and Pb. <i>Journal of Environmental Management</i> , 2020, 262, 110342.	3.8	25
8	<i>Pistia stratiotes</i> in the phytoremediation and post-treatment of domestic sewage. <i>International Journal of Phytoremediation</i> , 2019, 21, 714-723.	1.7	23
9	Avaliação da fitodisponibilidade de cádmio, chumbo e cromo, em soja cultivada em latossolo vermelho escuro tratado com fertilizantes comerciais. <i>Quimica Nova</i> , 2000, 23, 173-177.	0.3	23
10	Development of renewable adsorbent from cigarettes for lead removal from water. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103200.	3.3	22
11	Insight into the performance of molecularly imprinted poly(methacrylic acid) and polyvinylimidazole for extraction of imazethapyr in aqueous medium. <i>Chemical Engineering Journal</i> , 2018, 343, 583-596.	6.6	21
12	Adsorption mechanism of chromium(III) using biosorbents of <i>Jatropha curcas</i> L.. <i>Environmental Science and Pollution Research</i> , 2017, 24, 21778-21790.	2.7	20
13	Biosorption of Cu (II) and Zn (II) with açai-endocarp <i>Euterpe oleracea</i> M. in contaminated aqueous solution. <i>Acta Scientiarum - Technology</i> , 2016, 38, 361.	0.4	19
14	Produtividade e componentes de produção da soja adubada com diferentes doses de fósforo, potássio e zinco. <i>Ciencia E Agrotecnologia</i> , 2010, 34, 660-666.	1.5	17
15	Phytoavailability of Toxic Heavy Metals and Productivity in Wheat Cultivated Under Residual Effect of Fertilization in Soybean Culture. <i>Water, Air, and Soil Pollution</i> , 2011, 220, 205-211.	1.1	17
16	Human intoxication by agrochemicals in the region of South Brazil between 1999 and 2014. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2019, 54, 219-225.	0.7	17
17	The use of <i>Crambe abyssinica</i> seeds as adsorbent in the removal of metals from waters. <i>Revista Brasileira De Engenharia Agrícola E Ambiental</i> , 2013, 17, 306-311.	0.4	15
18	Development of selective preconcentration/clean-up method for imidazolinone herbicides determination in natural water and rice samples by HPLC-PAD using an imazethapyr imprinted poly(vinylimidazole-TRIM). <i>Food Chemistry</i> , 2021, 334, 127345.	4.2	15

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19	Distribution of heavy metals in sediments and their bioaccumulation on benthic macroinvertebrates in a tropical Brazilian watershed. <i>Ecological Engineering</i> , 2021, 163, 106194.	1.6	14
20	Bioacumulaçãõ de metais pesados e nutrientes no mexilhãõ dourado do reservatãrio da Usina Hidrelãtrica de Itaipu Binacional. <i>Quimica Nova</i> , 2013, 36, 359-363.	0.3	13
21	Comparaçãõ entre um trocador aniõnico de sal de amõnio quaternãrio de quitosana e um trocador comercial na extraçãõ de fãsforo disponãvel em solos. <i>Quimica Nova</i> , 2010, 33, 1047-1052.	0.3	12
22	<i>Salvinia auriculata</i> in post-treatment of dairy industry wastewater. <i>International Journal of Phytoremediation</i> , 2019, 21, 1368-1374.	1.7	12
23	Influence of hydrological flows from tropical watersheds on the dynamics of Cu and Zn in sediments. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 86.	1.3	12
24	Triple activation (thermal-chemical-physical) in the development of an activated carbon from tobacco: characterizations and optimal conditions for Cd ²⁺ and Pb ²⁺ removal from waters. <i>Water Practice and Technology</i> , 2020, 15, 877-898.	1.0	12
25	Potencial de ãgua do solo e adubaçãõ com boro no crescimento e absorçãõ do nutriente pela cultura da soja. <i>Revista Brasileira De Ciencia Do Solo</i> , 2014, 38, 240-251.	0.5	12
26	Iron-enriched mycelia of edible and medicinal basidiomycetes. <i>Environmental Technology (United Kingdom)</i> , 2010, 31, 1071-1078.	1.2	10
27	Adsorption of Cd (II), Pb (II) and Cr (III) on chemically modified Euterpe Oleracea biomass for the remediation of water pollution. <i>Acta Scientiarum - Technology</i> , 2010, 43, e50263.	0.4	10
28	Potential of agricultural and agroindustrial wastes as adsorbent materials of toxic heavy metals: a review. <i>Journal of Environmental Science and Pollution Research</i> , 2010, 187, 203-218.		10
29	Applicability of the Pinus bark (<i>Pinus elliottii</i>) for the adsorption of toxic heavy metals from aqueous solutions. <i>Acta Scientiarum - Technology</i> , 2012, 34, .	0.4	9
30	Removal of Cu (II) and Zn (II) from water with natural adsorbents from cassava agroindustry residues. <i>Acta Scientiarum - Technology</i> , 2015, 37, 409.	0.4	9
31	A<i>Crambe abyssinica</i> seed by-product as biosorbent for lead(II) removal from water. <i>Desalination and Water Treatment</i> , 2015, 53, 139-148.	1.0	9
32	Golden mussel (<i>Limnoperna fortunei</i>) in feed for broiler chicks using tannin as a sequestrant of toxic metals. <i>Semina:Ciencias Agrarias</i> , 2017, 38, 843.	0.1	7
33	Contamination by lead in sediments at Toledo River, hydrographic basin of PARANãIII. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 243.	1.3	7
34	Response of chia (<i>Salvia hispanica</i>) to sowing times and phosphorus rates over two crop cycles. <i>Heliyon</i> , 2020, 6, e05051.	1.4	7
35	Preparation of a chitosan-based anionic exchanger for removal of bromide, chloride, iodide and phosphate ions from aqueous solutions. <i>Acta Scientiarum - Technology</i> , 2014, 36, 521.	0.4	6
36	Application of Ni(II)-imprinted cross-linked poly(methacrylic acid) synthesised through double-imprinting method for the on-line preconcentration of Ni(II) ions in aqueous media. <i>International Journal of Environmental Analytical Chemistry</i> , 2014, 94, 1061-1071.	1.8	6

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37	Evaluation of benthic macroinvertebrates as indicators of metal pollution in Brazilian rivers. International Journal of River Basin Management, 2021, 19, 209-219.	1.5	6
38	Canola meal-derived activated biochar treated with NaOH and CO_2 as an effective tool for Cd removal. Journal of Chemical Technology and Biotechnology, 2022, 97, 87-100.	1.6	6
39	Spatial Distribution of Soil Attributes in the Concórdia River Watershed in Southern Brazil. Environmental Quality Management, 2014, 24, 1-12.	1.0	5
40	Eco-friendly, renewable <i>Crambe abyssinica</i> Hochst-based adsorbents remove high quantities of Zn^{2+} in water. Journal of Environmental Health Science & Engineering, 2020, 18, 809-823.	1.4	5
41	Investigation on the Performance of Chemically Modified Aquatic Macrophytes "Salvinia molesta for the Micro-Solid Phase Preconcentration of Cd(II) On-Line Coupled to FAAS. Bulletin of Environmental Contamination and Toxicology, 2016, 97, 863-869.	1.3	4
42	Adsorption of cadmium in vegetable sponge (<i>Luffa cylindrica</i>). Revista Ambiente & Água, 2014, 9, .	0.1	4
43	Effective Cd^{2+} removal from water using novel micro-mesoporous activated carbons obtained from tobacco: CCD approach, optimization, kinetic, and isotherm studies. Journal of Environmental Health Science & Engineering, 2021, 19, 1851-1874.	1.4	4
44	Adsorbents developed from residual biomass of canola grains for the removal of lead from water. , 0, 197, 261-279.		4
45	Ecofriendly Biosorbents Produced from Cassava Solid Wastes: Sustainable Technology for the Removal of Cd^{2+} , Pb^{2+} , and Cr^{total} . Adsorption Science and Technology, 2022, 2022, .	1.5	4
46	Estado tráfego e bioacumulação do flúoreto total no cultivo de peixes em tanques-rede na Área aquícola do reservatório de Itaipu. Acta Scientiarum - Biological Sciences, 2008, 30, .	0.3	3
47	Evaluation of kinetic and thermodynamic parameters in adsorption of lead (Pb^{2+}) and chromium (Cr^{3+}) by chemically modified macadamia (<i>Macadamia integrifolia</i>). Desalination and Water Treatment, 2016, 57, 17738-17747.	1.0	3
48	Biossorção de íons Cr(III) de soluções aquosas sintéticas e efluente de curtume utilizando a macrófita aquática <i>Pistia stratiotes</i> . Engenharia Sanitaria E Ambiental, 2019, 24, 335-346.	0.1	3
49	Sugarcane biomass colonized by <i>Pleurotus ostreatus</i> for red 4B dye removal: a sustainable alternative. Environmental Technology (United Kingdom), 2021, 42, 2611-2623.	1.2	3
50	Controle de <i>Meloidogyne incognita</i> em tomateiro pelo extrato de crambe em diferentes formas de aplicação. Summa Phytopathologica, 2018, 44, 261-266.	0.3	2
51	CHEMICAL PROPERTIES AND PHYSICAL FRACTIONS OF ORGANIC MATTER IN OXISOLS UNDER INTEGRATED AGRICULTURAL PRODUCTION SYSTEMS. Revista De Agricultura Neotropical, 2020, 7, 81-89.	0.3	2
52	Determinação de fósforo por eletrodos modificados com quitosana. Acta Scientiarum - Technology, 2011, 33, .	0.4	1
53	Biosorbent of macadamia residue for cationic dye adsorption in aqueous solution. Acta Scientiarum - Technology, 2017, 39, 97.	0.4	1
54	Phytotoxicity in two sugarcane cultivars in the initial development as affected by selectivity to herbicides. Arquivos Do Instituto Biologico, 0, 87, .	0.4	1

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55	MONITORAMENTO DA QUALIDADE DAS ÁGUAS DO RIO DO OURO, EM OURO VERDE DO OESTE – PR: ANÁLISES TOXICOLÓGICAS. Revista Agrogeoambiental, 0, , .	0.0	1
56	MANDARIN PEELS AND RICE HUSKS AS SUBSTRATES FOR SOLID BIOFUEL. Cellulose Chemistry and Technology, 2020, 54, 169-177.	0.5	1
57	Removal of Pb ²⁺ and Cd ²⁺ From Contaminated Water Using Activated Carbon from Canola Seed Wastes. , 0, , .		1
58	Cr ^(total) Removal Using Chicken Feathers Derived Materials: A Laboratory Study with Adsorption-precipitation in Electroplating Effluents. Separation Science and Technology, 2022, 57, 1910-1925.	1.3	1
59	Efeitos de flocculantes na concentração de micro e macronutrientes em biofertilizante suado. Acta Scientiarum - Technology, 2008, 30, .	0.4	0
60	Availability of nutrients and toxic heavy metals in marigold plants. Acta Scientiarum - Technology, 2012, 34, .	0.4	0
61	Reforested soil under drip irrigation with treated wastewater from poultry slaughterhouse. Revista Brasileira De Engenharia Agrícola E Ambiental, 2019, 23, 439-445.	0.4	0
62	Environmental impact of toxic metals on water and soil by agrochemicals, emerging pollutants and remediation methods. Australian Journal of Crop Science, 2019, , 1520-1525.	0.1	0
63	Effect of the use of golden mussel flour contaminated with lead as a source of calcium on the performance of broilers. Semina:Ciencias Agrarias, 2019, 40, 2783.	0.1	0
64	Treatment of cattle manure with aerated tanks in a free-stall system. Bioscience Journal, 2015, 31, 518-526.	0.4	0
65	Use of Lysimeters to Evaluate the Atrazine Dynamics in Soil Cultivated With Maize. , 0, , .		0