

Marçal J R Pires

List of Publications by Year in descending order

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48
papers

1,244
citations

535685

17
h-index

425179

34
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49
all docs

49
docs citations

49
times ranked

1745
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient removal of chromium(VI) from dilute aqueous solutions using agro-industrial residue based on parboiled-rice husk ash. <i>Chemical Engineering Communications</i> , 2022, 209, 1096-1110.	1.5	3
2	Production of zeolitic materials in pilot scale based on coal ash for phosphate and potassium adsorption in order to obtain fertilizer. <i>Environmental Science and Pollution Research</i> , 2021, 28, 2638-2654.	2.7	8
3	Evaluation of the removal of n-butanol vapor by the poly(lactic acid)-zeolite-TiO ₂ composite and formation of by-products. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49842.	1.3	2
4	Thermal degradation of poly(lactic acid)-zeolite composites produced by melt-blending. <i>Polymer Bulletin</i> , 2020, 77, 2111-2137.	1.7	17
5	Zeolite and fly ash in the composition of oil well cement: Evaluation of degradation by CO ₂ under geological storage condition. <i>Journal of Petroleum Science and Engineering</i> , 2020, 185, 106656.	2.1	19
6	CO ₂ adsorption capacity of zeolites synthesized from coal fly ashes. <i>Fuel</i> , 2020, 276, 118143.	3.4	62
7	CO ₂ capture by coal ash-derived zeolites- roles of the intrinsic basicity and hydrophilic character. <i>Journal of Alloys and Compounds</i> , 2019, 778, 866-877.	2.8	41
8	CH ₄ and CO ₂ monitoring in the air of underground coal mines in southern Brazil and GHG emission estimation. <i>REM: International Engineering Journal</i> , 2019, 72, 635-642.	0.2	6
9	Evaluation of Zeolite/Backfill Blend for Acid Mine Drainage Remediation in Coal Mine. <i>Energy & Fuels</i> , 2018, 32, 2019-2027.	2.5	9
10	Removal of toxic elements from wastewater generated in the decontamination of CCA-treated Eucalyptus sp. and Pinus canadense wood. <i>Journal of Material Cycles and Waste Management</i> , 2018, 20, 1299-1309.	1.6	4
11	ARTIFACTS IN THE ANALYSIS AND ASSESSMENT OF LOW-COST CONTAINERS FOR SAMPLING AND STORING GREENHOUSE GASES. <i>Quimica Nova</i> , 2018, , .	0.3	1
12	Integrated Synthesis of Zeolites Using Coal Fly Ash: Element Distribution in the Products, Washing Waters and Effluent. <i>Journal of the Brazilian Chemical Society</i> , 2016, , .	0.6	8
13	Decontamination of CCA-treated eucalyptus wood waste by acid leaching. <i>Waste Management</i> , 2016, 49, 253-262.	3.7	22
14	Characterization and use of biosorbents prepared from forestry waste and their washed extracts to reduce/remove chromium. <i>International Journal of Environmental Science and Technology</i> , 2016, 13, 327-338.	1.8	4
15	Avaliação do material particulado no ar atmosférico em área de influência de usina termelétrica considerando as diferentes tecnologias adotadas no controle de efluentes atmosféricos. <i>Geochimica Brasiliensis</i> , 2016, 30, 184-201.	0.4	0
16	Integrated synthesis of zeolites 4A and Na-P1 using coal fly ash for application in the formulation of detergents and swine wastewater treatment. <i>Journal of Hazardous Materials</i> , 2015, 287, 69-77.	6.5	111
17	Synthesis of zeolite Na-P1 under mild conditions using Brazilian coal fly ash and its application in wastewater treatment. <i>Fuel</i> , 2015, 139, 59-67.	3.4	126
18	Determination of mineral matter in Brazilian coals by thermal treatments. <i>Fuel Processing Technology</i> , 2014, 125, 41-50.	3.7	18

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19	Cr(III) biosorption by forest wastes from <i>Araucaria angustifolia</i> and <i>Pinus elliottii</i> : biosorbent surface characterization and chromium quantification by spectrofluorimetry in micellar medium. <i>Desalination and Water Treatment</i> , 2013, 51, 5617-5626.	1.0	7
20	Relationship between density and anatomical structure of different species of Eucalyptus and identification of preservatives. <i>Materials Research</i> , 2013, 16, 1428-1438.	0.6	8
21	CaracterizaÃ§Ã£o detalhada de material de referÃªncia certificado de carvÃ£o brasileiro. <i>Quimica Nova</i> , 2013, 36, 859-864.	0.3	7
22	BTEX removal from aqueous solutions by HDTMA-modified Y zeolite. <i>Journal of Environmental Management</i> , 2012, 112, 178-185.	3.8	105
23	Acidic Peroxidation of Brazilian Coal: Desulfurization and Estimation of the Forms of Sulfur. <i>Energy & Fuels</i> , 2012, 26, 1135-1143.	2.5	12
24	Uso de materiais reciclÃ¡veis na determinaÃ§Ã£o gravimÃ©trica de CO ₂ no ar ambiente e tratamento dos resÃ¡duos de laboratÃ³rio gerados. <i>Quimica Nova</i> , 2012, 35, 2067-2071.	0.3	0
25	RelaÃ§Ã£o das propriedades mecÃ¢nicas e densidade de postes de madeira de eucalipto com seu estado de deterioraÃ§Ã£o. <i>Revista Arvore</i> , 2012, 36, 1173-1182.	0.5	9
26	ClassificaÃ§Ã£o de resÃ¡duos de madeira tratada com preservativos Ã base de arseniato de cobre cromatado e de boro/flÃ³or. <i>Quimica Nova</i> , 2012, 35, 1767-1771.	0.3	5
27	Tratamento de efluente de galvanoplastia por meio da biosorÃ§Ã£o de cromo e ferro com escamas da pinha da <i>Araucaria angustifolia</i> . <i>Revista Escola De Minas</i> , 2011, 64, 499-504.	0.1	2
28	Monitoring light hydrocarbons in Brazilian coal mines and in confined coal samples. <i>International Journal of Coal Geology</i> , 2010, 84, 269-275.	1.9	7
29	Ozonation of azo dye acid black 1 under the suppression effect by chloride ion. <i>Journal of the Brazilian Chemical Society</i> , 2010, 21, 452-460.	0.6	18
30	Inspection of Wooden Poles in Electrical Power Distribution Networks in Southern Brazil. <i>IEEE Transactions on Power Delivery</i> , 2010, 25, 479-484.	2.9	16
31	Metodologia para o cÃ¡lculo de emissÃµes de carbono e da eficiÃªncia na geraÃ§Ã£o de energia pela combustÃ£o do carvÃ£o fÃ¡ssil no Brasil. <i>Revista Escola De Minas</i> , 2010, 63, 331-337.	0.1	3
32	Alternative spectrophotometric method for standardization of chlorite aqueous solutions. <i>Analytica Chimica Acta</i> , 2007, 585, 361-365.	2.6	32
33	Alkydic resin wastewaters treatment by fenton and photo-Fenton processes. <i>Journal of Hazardous Materials</i> , 2007, 146, 564-568.	6.5	32
34	Degradation of pararosaniline (C.I. Basic Red 9 monohydrochloride) dye by ozonation and sonolysis. <i>Dyes and Pigments</i> , 2006, 68, 227-234.	2.0	77
35	Study of the profile of polycyclic aromatic hydrocarbons in atmospheric particles (PM ₁₀) using multivariate methods. <i>Atmospheric Environment</i> , 2005, 39, 6587-6596.	1.9	75
36	AvaliaÃ§Ã£o in vitro da liberaÃ§Ã£o de nÃ¡quel por braquetes metÃ¡licos. <i>Revista Dental Press De Ortodontia E Ortopedia Facial</i> , 2005, 10, 87-96.	0.2	3

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37	Composição química da precipitação atmosférica no sul do Brasil: estudo preliminar. Química Nova, 2005, 28, 371-379.	0.3	11
38	Study of chemical elements in atmospheric precipitation in South Brazil. Atmospheric Environment, 2004, 38, 1641-1656.	1.9	74
39	Characterization of Candiota (South Brazil) coal and combustion by-product. International Journal of Coal Geology, 2004, 60, 57-72.	1.9	120
40	Aerosols concentration in the Candiota area applying different gravimetric methods of sampling and numeric modelling. Journal of Environmental Monitoring, 2002, 4, 897-902.	2.1	6
41	Presença de compostos carbonílicos no ar em ambientes internos na cidade de São Paulo. Química Nova, 1999, 22, 487-496.	0.3	6
42	An artifact in air carbonyls sampling using C18 DNPH-coated cartridge. Analytica Chimica Acta, 1998, 367, 223-231.	2.6	57
43	The heterogeneous formation of N ₂ O in the presence of acidic solutions: Experiments and modeling. International Journal of Chemical Kinetics, 1997, 29, 869-891.	1.0	17
44	Geochemical distribution of trace elements in coal: modelling and environmental aspects. Fuel, 1997, 76, 1425-1437.	3.4	37
45	The heterogeneous formation of N ₂ O over bulk condensed phases in the presence of SO ₂ at high humidities. Journal of Atmospheric Chemistry, 1996, 25, 229-250.	1.4	12
46	The heterogeneous generation of N ₂ O from exhaust gases of combustion: A laboratory study. Geophysical Research Letters, 1995, 22, 3509-3512.	1.5	2
47	Geochemical distribution of trace elements in Leao coal, Brazil. Fuel, 1992, 71, 1093-1096.	3.4	22
48	Evaluation of the Sustainability of Integrated Hydrothermal Synthesis of Zeolites Obtained from Waste. Journal of the Brazilian Chemical Society, 0, , .	0.6	1