

# Josã©M Manuel Andrã©s

## List of Publications by Year in descending order

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63  
papers

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257450

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63  
docs citations

63  
times ranked

2113  
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards oxy-steam combustion: The effect of increasing the steam concentration on coal reactivity. Fuel, 2019, 239, 534-546.	6.4	32
2	On the oxy-combustion of lignite and corn stover in a lab-scale fluidized bed reactor. Biomass and Bioenergy, 2017, 96, 152-161.	5.7	23
3	Oxy-co-Firing in Fluidized Beds: Control of Sulfur Emissions and Assessment of Corrosion Issues. Energy Procedia, 2017, 114, 6003-6009.	1.8	6
4	Effect of co-firing on emissions and deposition during fluidized bed oxy-combustion. Fuel, 2016, 184, 261-268.	6.4	29
5	Evidence of corrosion on metallic surfaces at 500 Å°C and 560 Å°C by metal-potassium trisulphate formation in oxy-co-combustion. Fuel, 2016, 183, 80-89.	6.4	8
6	Optimization of mineral carbonation process for CO <sub>2</sub> sequestration by lime-rich coal ashes. Fuel, 2013, 106, 448-454.	6.4	47
7	A potentiometric titration for H <sub>2</sub> O <sub>2</sub> determination in the presence of organic compounds. Analytical Methods, 2013, 5, 1510.	2.7	36
8	Influence of Temperature on CO <sub>2</sub> Absorption Rate and Capacity in Ionic Liquids. Energy & Fuels, 2013, 27, 3928-3935.	5.1	30
9	Improvement of the critical current density on <i>in situ</i> PIT processed Fe/MgB <sub>2</sub> wires by oleic acid addition. Superconductor Science and Technology, 2013, 26, 125017.	3.5	11
10	Pyrrhotite deposition through thermal projection to simulate iron sulphide slagging in oxyfuel combustion. Fuel, 2012, 101, 197-204.	6.4	12
11	Fabrication of Bi-2212 Coatings Using Thermospraying. IEEE Transactions on Applied Superconductivity, 2011, 21, 2836-2839.	1.7	0
12	Platelet-like catalyst design for high yield production of multi-walled carbon nanotubes by catalytic chemical vapor deposition. Carbon, 2011, 49, 2483-2491.	10.3	23
13	Ion exchange uptake of ammonium in wastewater from a Sewage Treatment Plant by zeolitic materials from fly ash. Journal of Hazardous Materials, 2009, 161, 781-786.	12.4	59
14	Fabrication of Superconducting Coatings on Structural Ceramic Tiles. IEEE Transactions on Applied Superconductivity, 2009, 19, 3041-3044.	1.7	9
15	Visualisation of environmental degradation in ceramic superconductors using digital speckle photography. Journal of the European Ceramic Society, 2008, 28, 2239-2246.	5.7	10
16	Application of chemometric tools for coal classification and multivariate calibration by transmission and drift mid-infrared spectroscopy. Analytica Chimica Acta, 2008, 624, 68-78.	5.4	15
17	Aluminium depletion in NiCrAlY bond coatings by hot corrosion as a function of projection system. Surface and Coatings Technology, 2008, 202, 1816-1824.	4.8	28
18	Yttria stabilized zirconia corrosion destabilization followed by Raman mapping. Surface and Coatings Technology, 2008, 202, 5210-5216.	4.8	17

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19	Reflection and transmission mid-infrared spectroscopy for rapid determination of coal properties by multivariate analysis. <i>Talanta</i> , 2008, 74, 998-1007.	5.5	22
20	Fast visualization of corrosion processes using digital speckle photography. <i>Corrosion Science</i> , 2008, 50, 2965-2971.	6.6	15
21	Electrodeposition of Silver Gold Alloys on $\text{Bi}_{2-x}\text{Sr}_x\text{CaCu}_2\text{O}_{8+\delta}$ Ceramics. <i>IEEE Transactions on Applied Superconductivity</i> , 2007, 17, 3012-3015.	1.7	4
22	Coal analysis by diffuse reflectance near-infrared spectroscopy: Hierarchical cluster and linear discriminant analysis. <i>Talanta</i> , 2007, 72, 1423-1431.	5.5	54
23	Denitrification of Stack Gases in the Presence of Low-Rank Coal-Based Carbons Activated with Steam. <i>Energy &amp; Fuels</i> , 2007, 21, 2033-2037.	5.1	9
24	Synthesis of granular zeolitic materials with high cation exchange capacity from agglomerated coal fly ash. <i>Fuel</i> , 2007, 86, 1811-1821.	6.4	61
25	Unburnt carbon from coal fly ashes as a precursor of activated carbon for nitric oxide removal. <i>Journal of Hazardous Materials</i> , 2007, 143, 561-566.	12.4	48
26	Mineralogy and geochemistry of the coals from the Chongqing and Southeast Hubei coal mining districts, South China. <i>International Journal of Coal Geology</i> , 2007, 71, 263-275.	5.0	49
27	Study of sulphidation and chlorination on oxidized SS310 and plasma-sprayed Ni-Cr coatings as simulation of hot corrosion in fouling and slagging in combustion. <i>Corrosion Science</i> , 2006, 48, 1319-1336.	6.6	21
28	ASTM clustering for improving coal analysis by near-infrared spectroscopy. <i>Talanta</i> , 2006, 70, 711-719.	5.5	44
29	Physico-chemical characteristics of European pulverized coal combustion fly ashes. <i>Fuel</i> , 2005, 84, 1351-1363.	6.4	247
30	Analysis of coal by diffuse reflectance near-infrared spectroscopy. <i>Analytica Chimica Acta</i> , 2005, 535, 123-132.	5.4	66
31	High quality silver contacts on ceramic superconductors obtained by electrodeposition from non-aqueous solvents. <i>Superconductor Science and Technology</i> , 2005, 18, 135-141.	3.5	7
32	Inhomogeneous oxygen interchange during annealing and cooling of textured bulk $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ - $\delta$ superconductors. <i>Superconductor Science and Technology</i> , 2004, 17, 308-313.	3.5	5
33	Successful Application of Simplex Methods to the Optimization of Textured Superconducting Ceramics. <i>Journal of the American Ceramic Society</i> , 2004, 87, 1216-1221.	3.8	17
34	Approximation to the laser floating zone preparation of high temperature BSCCO superconductors by DSC. <i>Thermochimica Acta</i> , 2004, 409, 157-164.	2.7	4
35	Determining suitability of a fly ash for silica extraction and zeolite synthesis. <i>Journal of Chemical Technology and Biotechnology</i> , 2004, 79, 1009-1018.	3.2	16
36	Title is missing!. <i>Oxidation of Metals</i> , 2003, 59, 395-407.	2.1	3

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37	Radial changes in the microstructure of LFZ-textured Bi-2212 thin rods induced by stoichiometry modifications. <i>Physica C: Superconductivity and Its Applications</i> , 2003, 383, 379-387.	1.2	13
38	Low cost coal-based carbons for combined SO <sub>2</sub> and NO removal from exhaust gas. <i>Fuel</i> , 2003, 82, 147-151.	6.4	56
39	Microwave single walled carbon nanotubes purification. <i>Chemical Communications</i> , 2002, , 1000-1001.	4.1	65
40	Pure zeolite synthesis from silica extracted from coal fly ashes. <i>Journal of Chemical Technology and Biotechnology</i> , 2002, 77, 274-279.	3.2	58
41	Zeolitic material synthesised from fly ash: use as cationic exchanger. <i>Journal of Chemical Technology and Biotechnology</i> , 2002, 77, 299-304.	3.2	18
42	Correlation of radial inhomogeneties and critical current at 77 K in LFZ Bi-2212 textured thin rods. <i>Physica C: Superconductivity and Its Applications</i> , 2002, 372-376, 1051-1054.	1.2	10
43	Mechanism of interaction of pyrite with hematite as simulation of slagging and fireside tube wastage in coal combustion. <i>Thermochimica Acta</i> , 2002, 390, 103-111.	2.7	17
44	DSC study of curing in smokeless briquetting. <i>Thermochimica Acta</i> , 2001, 371, 41-44.	2.7	9
45	Different approaches to proximate analysis by thermogravimetry analysis. <i>Thermochimica Acta</i> , 2001, 370, 91-97.	2.7	104
46	Aluminosilicates transformations in combustion followed by DSC. <i>Thermochimica Acta</i> , 2001, 373, 173-180.	2.7	41
47	Model predictions and experimental results on self-heating prevention of stockpiled coals. <i>Fuel</i> , 2001, 80, 125-134.	6.4	79
48	Modifications to the surface chemistry of low-rank coal-based carbon catalysts to improve flue gas nitric oxide removal. <i>Applied Catalysis B: Environmental</i> , 2001, 33, 315-324.	20.2	42
49	Influence of the Activation Temperature on the SO <sub>2</sub> Removal Capacity and Mechanical Performance of Pelletized Activated Chars. <i>Environmental Technology (United Kingdom)</i> , 2001, 22, 1081-1089.	2.2	4
50	Prevention of spontaneous combustion in coal stockpiles. <i>Fuel Processing Technology</i> , 1999, 59, 23-34.	7.2	74
51	Use of infrared thermography for the evaluation of heat losses during coal storage. <i>Fuel Processing Technology</i> , 1999, 60, 213-229.	7.2	9
52	Liquefaction of Low-Rank Coals with Hydriodic Acid and Microwaves. <i>Energy &amp; Fuels</i> , 1998, 12, 563-569.	5.1	17
53	A Fast Method for Recycling Fly Ash: Microwave-Assisted Zeolite Synthesis. <i>Environmental Science &amp; Technology</i> , 1997, 31, 2527-2533.	10.0	225
54	Chemical Desulfurization of Coal with Hydroiodic Acid. <i>Energy &amp; Fuels</i> , 1996, 10, 425-430.	5.1	13

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55	Coal desulphurization with hydroiodic acid and microwaves. <i>Coal Science and Technology</i> , 1995, 24, 1729-1732.	0.0	7
56	Quantitative Hydrocarbon Group Type Analysis of Petroleum Hydroconversion Products Using an Improved TLC-FID System. <i>Journal of Chromatographic Science</i> , 1995, 33, 417-425.	1.4	43
57	Production of humic acids from lignites and subbituminous coals by alkaline-air oxidation. <i>Fuel</i> , 1990, 69, 161-165.	6.4	9
58	Formation of humic acids in lignites and subbituminous coals by dry air oxidation. <i>Fuel</i> , 1990, 69, 157-160.	6.4	18
59	Fractionation of raw and methylated fulvic acids from lignite by thin-layer chromatography. <i>Fuel</i> , 1988, 67, 441-443.	6.4	2
60	Differentiation of the acidic groups of fulvic acids from lignite by potentiometric titration in acetone, acetonitrile and isopropanol. <i>Fuel</i> , 1988, 67, 1305-1307.	6.4	4
61	Natural amino acids as chiral auxiliaries in asymmetric Diels-Alder reactions. <i>Canadian Journal of Chemistry</i> , 1988, 66, 2826-2829.	1.1	15
62	Potentiometric titration of fulvic acids from lignite, in dimethylformamide and dimethylsulphoxide media. <i>Talanta</i> , 1987, 34, 583-585.	5.5	7
63	Ion exchange chromatography of fulvic acids from lignite. <i>Fuel</i> , 1987, 66, 827-830.	6.4	5