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List of Publications by Year in descending order

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2,051
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257450

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docs citations

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times ranked

2113
citing authors

#	ARTICLE	IF	CITATIONS
1	Physico-chemical characteristics of European pulverized coal combustion fly ashes. <i>Fuel</i> , 2005, 84, 1351-1363.	6.4	247
2	A Fast Method for Recycling Fly Ash: Microwave-Assisted Zeolite Synthesis. <i>Environmental Science & Technology</i> , 1997, 31, 2527-2533.	10.0	225
3	Different approaches to proximate analysis by thermogravimetry analysis. <i>Thermochimica Acta</i> , 2001, 370, 91-97.	2.7	104
4	Model predictions and experimental results on self-heating prevention of stockpiled coals. <i>Fuel</i> , 2001, 80, 125-134.	6.4	79
5	Prevention of spontaneous combustion in coal stockpiles. <i>Fuel Processing Technology</i> , 1999, 59, 23-34.	7.2	74
6	Analysis of coal by diffuse reflectance near-infrared spectroscopy. <i>Analytica Chimica Acta</i> , 2005, 535, 123-132.	5.4	66
7	Microwave single walled carbon nanotubes purification. <i>Chemical Communications</i> , 2002, , 1000-1001.	4.1	65
8	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
9	Ion exchange uptake of ammonium in wastewater from a Sewage Treatment Plant by zeolitic materials from fly ash. <i>Journal of Hazardous Materials</i> , 2009, 161, 781-786.	12.4	59
10	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
11	Low cost coal-based carbons for combined SO ₂ and NO removal from exhaust gas. <i>Fuel</i> , 2003, 82, 147-151.	6.4	56
12	Coal analysis by diffuse reflectance near-infrared spectroscopy: Hierarchical cluster and linear discriminant analysis. <i>Talanta</i> , 2007, 72, 1423-1431.	5.5	54
13	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
14	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
15	Optimization of mineral carbonation process for CO ₂ sequestration by lime-rich coal ashes. <i>Fuel</i> , 2013, 106, 448-454.	6.4	47
16	ASTM clustering for improving coal analysis by near-infrared spectroscopy. <i>Talanta</i> , 2006, 70, 711-719.	5.5	44
17	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
18	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

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19	Aluminosilicates transformations in combustion followed by DSC. <i>Thermochimica Acta</i> , 2001, 373, 173-180.	2.7	41
20	A potentiometric titration for H ₂ O ₂ determination in the presence of organic compounds. <i>Analytical Methods</i> , 2013, 5, 1510.	2.7	36
21	Towards oxy-steam combustion: The effect of increasing the steam concentration on coal reactivity. <i>Fuel</i> , 2019, 239, 534-546.	6.4	32
22	Influence of Temperature on CO ₂ Absorption Rate and Capacity in Ionic Liquids. <i>Energy & Fuels</i> , 2013, 27, 3928-3935.	5.1	30
23	Effect of co-firing on emissions and deposition during fluidized bed oxy-combustion. <i>Fuel</i> , 2016, 184, 261-268.	6.4	29
24	Aluminium depletion in NiCrAlY bond coatings by hot corrosion as a function of projection system. <i>Surface and Coatings Technology</i> , 2008, 202, 1816-1824.	4.8	28
25	Platelet-like catalyst design for high yield production of multi-walled carbon nanotubes by catalytic chemical vapor deposition. <i>Carbon</i> , 2011, 49, 2483-2491.	10.3	23
26	On the oxy-combustion of lignite and corn stover in a lab-scale fluidized bed reactor. <i>Biomass and Bioenergy</i> , 2017, 96, 152-161.	5.7	23
27	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
28	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
29	Formation of humic acids in lignites and subbituminous coals by dry air oxidation. <i>Fuel</i> , 1990, 69, 157-160.	6.4	18
30	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
31	Liquefaction of Low-Rank Coals with Hydriodic Acid and Microwaves. <i>Energy & Fuels</i> , 1998, 12, 563-569.	5.1	17
32	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
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	Yttria stabilized zirconia corrosion destabilization followed by Raman mapping. <i>Surface and Coatings Technology</i> , 2008, 202, 5210-5216.	4.8	17
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	Natural amino acids as chiral auxiliaries in asymmetric Diels-Alder reactions. <i>Canadian Journal of Chemistry</i> , 1988, 66, 2826-2829.	1.1	15

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37	Application of chemometric tools for coal classification and multivariate calibration by transmission and drift mid-infrared spectroscopy. <i>Analytica Chimica Acta</i> , 2008, 624, 68-78.	5.4	15
38	Fast visualization of corrosion processes using digital speckle photography. <i>Corrosion Science</i> , 2008, 50, 2965-2971.	6.6	15
39	Chemical Desulfurization of Coal with Hydroiodic Acid. <i>Energy & Fuels</i> , 1996, 10, 425-430.	5.1	13
40	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
41	Pyrrhotite deposition through thermal projection to simulate iron sulphide slagging in oxyfuel combustion. <i>Fuel</i> , 2012, 101, 197-204.	6.4	12
42	Improvement of the critical current density on <i>in situ</i> PIT processed Fe/MgB ₂ wires by oleic acid addition. <i>Superconductor Science and Technology</i> , 2013, 26, 125017.	3.5	11
43	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
44	Visualisation of environmental degradation in ceramic superconductors using digital speckle photography. <i>Journal of the European Ceramic Society</i> , 2008, 28, 2239-2246.	5.7	10
45	Production of humic acids from lignites and subbituminous coals by alkaline-air oxidation. <i>Fuel</i> , 1990, 69, 161-165.	6.4	9
46	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
47	DSC study of curing in smokeless briquetting. <i>Thermochimica Acta</i> , 2001, 371, 41-44.	2.7	9
48	Denitrification of Stack Gases in the Presence of Low-Rank Coal-Based Carbons Activated with Steam. <i>Energy & Fuels</i> , 2007, 21, 2033-2037.	5.1	9
49	Fabrication of Superconducting Coatings on Structural Ceramic Tiles. <i>IEEE Transactions on Applied Superconductivity</i> , 2009, 19, 3041-3044.	1.7	9
50	Evidence of corrosion on metallic surfaces at 500 Å°C and 560 Å°C by metal-potassium trisulphate formation in oxy-co-combustion. <i>Fuel</i> , 2016, 183, 80-89.	6.4	8
51	Potentiometric titration of fulvic acids from lignite, in dimethylformamide and dimethylsulphoxide media. <i>Talanta</i> , 1987, 34, 583-585.	5.5	7
52	Coal desulphurization with hydroiodic acid and microwaves. <i>Coal Science and Technology</i> , 1995, 24, 1729-1732.	0.0	7
53	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
54	Oxy-co-Firing in Fluidized Beds: Control of Sulfur Emissions and Assessment of Corrosion Issues. <i>Energy Procedia</i> , 2017, 114, 6003-6009.	1.8	6

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55	Ion exchange chromatography of fulvic acids from lignite. Fuel, 1987, 66, 827-830.	6.4	5
56	Inhomogeneous oxygen interchange during annealing and cooling of textured bulk Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ superconductors. Superconductor Science and Technology, 2004, 17, 308-313.	3.5	5
57	Differentiation of the acidic groups of fulvic acids from lignite by potentiometric titration in acetone, acetonitrile and isopropanol. Fuel, 1988, 67, 1305-1307.	6.4	4
58	Influence of the Activation Temperature on the SO ₂ Removal Capacity and Mechanical Performance of Pelletized Activated Chars. Environmental Technology (United Kingdom), 2001, 22, 1081-1089.	2.2	4
59	Approximation to the laser floating zone preparation of high temperature BSCCO superconductors by DSC. Thermochimica Acta, 2004, 409, 157-164.	2.7	4
60	Electrodeposition of Silver Gold Alloys on Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ Ceramics. IEEE Transactions on Applied Superconductivity, 2007, 17, 3012-3015.	1.7	4
61	Title is missing!. Oxidation of Metals, 2003, 59, 395-407.	2.1	3
62	Fractionation of raw and methylated fulvic acids from lignite by thin-layer chromatography. Fuel, 1988, 67, 441-443.	6.4	2
63	Fabrication of Bi-2212 Coatings Using Thermospraying. IEEE Transactions on Applied Superconductivity, 2011, 21, 2836-2839.	1.7	0