

Diego Alvarez

List of Publications by Year in descending order

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27
papers

2,417
citations

394421

19
h-index

580821

25
g-index

27
all docs

27
docs citations

27
times ranked

1678
citing authors

#	ARTICLE	IF	CITATIONS
1	Conversion Limits in the Reaction of CO ₂ with Lime. <i>Energy & Fuels</i> , 2003, 17, 308-315.	5.1	650
2	Determination of the Critical Product Layer Thickness in the Reaction of CaO with CO ₂ . <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 5608-5615.	3.7	337
3	Capture of CO ₂ from combustion gases in a fluidized bed of CaO. <i>AIChE Journal</i> , 2004, 50, 1614-1622.	3.6	328
4	Pore-Size and Shape Effects on the Recarbonation Performance of Calcium Oxide Submitted to Repeated Calcination/Recarbonation Cycles. <i>Energy & Fuels</i> , 2005, 19, 270-278.	5.1	177
5	Phase-mineral and chemical composition of coal fly ashes as a basis for their multicomponent utilization. 1. Characterization of feed coals and fly ashes. <i>Fuel</i> , 2003, 82, 1793-1811.	6.4	175
6	Comparison of Chars Obtained under Oxy-Fuel and Conventional Pulverized Coal Combustion Atmospheres. <i>Energy & Fuels</i> , 2007, 21, 3171-3179.	5.1	101
7	The procedure used to develop a coal char classification. Commission III Combustion Working Group of the International Committee for Coal and Organic Petrology. <i>International Journal of Coal Geology</i> , 2010, 81, 333-342.	5.0	62
8	Unbiased methods for the morphological description of char structures. <i>Fuel</i> , 1997, 76, 1241-1248.	6.4	61
9	Physicochemical transformations of coal particles during pyrolysis and combustion. <i>Fuel</i> , 2001, 80, 1857-1870.	6.4	54
10	Pyrolysis behaviour of pulverised coals at different temperatures. <i>Fuel</i> , 1999, 78, 1501-1513.	6.4	46
11	Evaluation of petrology and reactivity of coal blends for use in pulverized coal injection (PCI). <i>International Journal of Coal Geology</i> , 2006, 68, 14-29.	5.0	44
12	Effects of Inertinite Content in Coal on Char Structure and Combustion. <i>Energy & Fuels</i> , 1997, 11, 702-708.	5.1	43
13	Behavior of Different Calcium-Based Sorbents in a Calcination/Carbonation Cycle for CO ₂ Capture. <i>Energy & Fuels</i> , 2007, 21, 1534-1542.	5.1	43
14	A reactivity study of chars obtained at different temperatures in relation to their petrographic characteristics. <i>Fuel Processing Technology</i> , 2001, 69, 257-272.	7.2	37
15	Systematic Effects of Coal Rank and Type on the Kinetics of Coal Pyrolysis. <i>Energy & Fuels</i> , 2001, 15, 413-428.	5.1	36
16	Maceral Effects in the Determination of Proximate Volatiles in Coals. <i>Energy & Fuels</i> , 2000, 14, 117-126.	5.1	34
17	Exploring the possibilities of using Brazilian subbituminous coals for blast furnace pulverized fuel injection. <i>Fuel</i> , 2005, 84, 763-772.	6.4	30
18	Devolatilisation behaviour of petroleum coke under pulverised fuel combustion conditions. <i>Fuel</i> , 2003, 82, 1883-1891.	6.4	27

#	ARTICLE	IF	CITATIONS
19	The Evolution of Char Surface Area along Pulverized Coal Combustion. Energy & Fuels, 2007, 21, 1085-1091.	5.1	24
20	Application of reflectance parameters in the estimation of the structural order of coals and carbonaceous materials. Precision and bias of measurements derived from the ICCP structural working group. International Journal of Coal Geology, 2014, 131, 147-161.	5.0	22
21	In-Situ Capture of CO ₂ in a Fluidized Bed Combustor. , 2003, , 133.		19
22	Tracing the Origin of Unburned Carbon in Fly Ashes from Coal Blends. Energy & Fuels, 2003, 17, 1222-1232.	5.1	15
23	Effects of Clay Minerals on Char Texture and Combustion. Energy & Fuels, 1994, 8, 1007-1015.	5.1	14
24	Coal Blending with Petroleum Coke in a Pulverized-Fuel Power Plant. Energy & Fuels, 2005, 19, 453-458.	5.1	14
25	Novel Combustion Cycles Incorporating Capture of CO ₂ with CaO. , 2003, , 181-186.		12
26	An Unexpected Trend in the Combustion Behavior of hvBb Coals As Shown by the Study of Their Chars. Energy & Fuels, 1998, 12, 849-855.	5.1	8
27	Apparent versus true density for the volume-to-weight transformation in coal blends. Journal of Microscopy, 2005, 220, 221-228.	1.8	4