

# 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	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. <i>International Journal of Coal Geology</i> , 2014, 131, 147-161.	5.0	22
2	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
3	Behavior of Different Calcium-Based Sorbents in a Calcination/Carbonation Cycle for CO <sub>2</sub> Capture. <i>Energy &amp; Fuels</i> , 2007, 21, 1534-1542.	5.1	43
4	Comparison of Chars Obtained under Oxy-Fuel and Conventional Pulverized Coal Combustion Atmospheres. <i>Energy &amp; Fuels</i> , 2007, 21, 3171-3179.	5.1	101
5	The Evolution of Char Surface Area along Pulverized Coal Combustion. <i>Energy &amp; Fuels</i> , 2007, 21, 1085-1091.	5.1	24
6	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
7	Exploring the possibilities of using Brazilian subbituminous coals for blast furnace pulverized fuel injection. <i>Fuel</i> , 2005, 84, 763-772.	6.4	30
8	Apparent versus true density for the volume-to-weight transformation in coal blends. <i>Journal of Microscopy</i> , 2005, 220, 221-228.	1.8	4
9	Pore-Size and Shape Effects on the Recarbonation Performance of Calcium Oxide Submitted to Repeated Calcination/Recarbonation Cycles. <i>Energy &amp; Fuels</i> , 2005, 19, 270-278.	5.1	177
10	Determination of the Critical Product Layer Thickness in the Reaction of CaO with CO <sub>2</sub> . <i>Industrial &amp; Engineering Chemistry Research</i> , 2005, 44, 5608-5615.	3.7	337
11	Coal Blending with Petroleum Coke in a Pulverized-Fuel Power Plant. <i>Energy &amp; Fuels</i> , 2005, 19, 453-458.	5.1	14
12	Capture of CO <sub>2</sub> from combustion gases in a fluidized bed of CaO. <i>AIChE Journal</i> , 2004, 50, 1614-1622.	3.6	328
13	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
14	Devolatilisation behaviour of petroleum coke under pulverised fuel combustion conditions. <i>Fuel</i> , 2003, 82, 1883-1891.	6.4	27
15	Conversion Limits in the Reaction of CO <sub>2</sub> with Lime. <i>Energy &amp; Fuels</i> , 2003, 17, 308-315.	5.1	650
16	Tracing the Origin of Unburned Carbon in Fly Ashes from Coal Blends. <i>Energy &amp; Fuels</i> , 2003, 17, 1222-1232.	5.1	15
17	In-Situ Capture of CO <sub>2</sub> in a Fluidized Bed Combustor. , 2003, , 133.		19
18	Novel Combustion Cycles Incorporating Capture of CO <sub>2</sub> with CaO. , 2003, , 181-186.		12

#	ARTICLE	IF	CITATIONS
19	Systematic Effects of Coal Rank and Type on the Kinetics of Coal Pyrolysis. Energy & Fuels, 2001, 15, 413-428.	5.1	36
20	A reactivity study of chars obtained at different temperatures in relation to their petrographic characteristics. Fuel Processing Technology, 2001, 69, 257-272.	7.2	37
21	Physicochemical transformations of coal particles during pyrolysis and combustion.. Fuel, 2001, 80, 1857-1870.	6.4	54
22	Maceral Effects in the Determination of Proximate Volatiles in Coals. Energy & Fuels, 2000, 14, 117-126.	5.1	34
23	Pyrolysis behaviour of pulverised coals at different temperatures. Fuel, 1999, 78, 1501-1513.	6.4	46
24	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
25	Effects of Inertinite Content in Coal on Char Structure and Combustion. Energy & Fuels, 1997, 11, 702-708.	5.1	43
26	Unbiased methods for the morphological description of char structures. Fuel, 1997, 76, 1241-1248.	6.4	61
27	Effects of Clay Minerals on Char Texture and Combustion. Energy & Fuels, 1994, 8, 1007-1015.	5.1	14