Atul Sharma

List of Publications by Year
in descending order

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Version: 2024-02-01

33 papers	1,830 citations	257450 24 h-index	395702 33 g-index
33 all docs	33 docs citations	33 times ranked	1522 citing authors

#	Article	IF	Citations
1	Effect of CO2 addition on gas composition of synthesis gas from catalytic gasification of low rank coals. Fuel, 2015, 152, 13-18.	6.4	19
2	Physical and Chemical Characteristics of Coal-binder Interface and Carbon Microstructure near Interface. ISIJ International, 2014, 54, 2470-2476.	1.4	8
3	The structural alignment of coal and the analogous case of Argonne Upper Freeport coal. Fuel, 2012, 95, 19-24.	6.4	97
4	Role of Fe2O3 and CaCO3 on the Development of Carbon Structure of Coke and their Catalytic Activity for Gasification. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2010, 96, 280-287.	0.4	9
5	Controlling the H₂/CO Ratio of the Synthesis Gas in a Single Step by Catalytically Gasifying Coal in a Steam and Carbon Dioxide Mixed Environment at Low Temperatures. Energy & Fuels, 2010, 24, 1745-1752.	5.1	14
6	Factors affecting steam gasification rate of low rank coal char in a pressurized fluidized bed. Fuel Processing Technology, 2009, 90, 895-900.	7.2	33
7	Effect of Steam Partial Pressure on Gasification Rate and Gas Composition of Product Gas from Catalytic Steam Gasification of HyperCoal. Energy & Fuels, 2009, 23, 4887-4892.	5.1	15
8	Structural Characteristics and Gasification Reactivity of Chars Prepared from K₂CO₃ Mixed HyperCoals and Coals. Energy & Fuels, 2009, 23, 1888-1895.	5.1	25
9	The size of polyaromatic layer of coal char estimated from elemental analysis data. Fuel, 2008, 87, 539-545.	6.4	27
10	Low temperature catalytic steam gasification of HyperCoal to produce H2 and synthesis gas. Fuel, 2008, 87, 491-497.	6.4	73
11	Effect of catalyst addition on gasification reactivity of HyperCoal and coal with steam at 775â€“700Â°C. Fuel, 2008, 87, 2686-2690.	6.4	51
12	Catalytic Steam Gasification Reactivity of HyperCoals Produced from Different Rank of Coals at 600â^'775 Â°C. Energy & Fuels, 2008, 22, 3561-3565.	5.1	31
13	Production of Fuel Gas through the Hydrothermal Gasification of Wastewater Using Highly Active Carbon-Base Catalyst. Journal of Chemical Engineering of Japan, 2007, 40, 1210-1215.	0.6	3
14	Effect of carbonization temperature on the nickel crystallite size of a Ni/C catalyst for catalytic hydrothermal gasification of organic compounds. Fuel, 2007, 86, 915-920.	6.4	60
15	A method to prepare a cobaltâ€“carbon composite as a potential magnetic carrier for a drug delivery system. Carbon, 2006, 44, 2089-2091.	10.3	7
16	A novel nickel/carbon catalyst for CH and H production from organic compounds dissolved in wastewater by catalytic hydrothermal gasification. Fuel, 2006, 85, 179-184.	6.4	36
17	Uniform dispersion of Ni nano particles in a carbon based catalyst for increasing catalytic activity for CH4 and H2 production by hydrothermal gasification. Fuel, 2006, 85, 2396-2401.	6.4	44
18	Mineral matterâ€“organic matter association characterisation by QEMSCAN and applications in coal utilisation. Fuel, 2005, 84, 1259-1267.	6.4	59

#	Article	IF	Citations
19	Mechanistic prediction of ash deposition in a pilot-scale test facility. Fuel, 2005, 84, 1246-1258.	6.4	55
20	An experimental study of the effect of coal blending on ash deposition. Fuel, 2004, 83, 495-506.	6.4	81
21	Structural analysis of PVC and PFA carbons prepared at 500â€“1000 Â°C based on elemental composition, XRD, and HRTEM. Carbon, 2004, 42, 2963-2973.	10.3	45
22	Evaluation of Size of Graphene Sheet in Anthracite by a Temperature-Programmed Oxidation Method. Energy & Fuels, 2004, 18, 1309-1314.	5.1	45
23	Determination of the Modes of Occurrence of Trace Elements in Coal by Leaching Coal and Coal Ashes. Energy & Fuels, 2003, 17, 29-37.	5.1	45
24	Probing Order in Asphaltenes and Aromatic Ring Systems by HRTEM. Energy & Fuels, 2002, 16, 490-496.	5.1	134
25	Effect of Microstructural Changes on Gasification Reactivity of Coal Chars during Low Temperature Gasification. Energy & Fuels, 2002, 16, 54-61.	5.1	39
26	Quantitative evaluation of structural transformations in raw coals on heat-treatment using HRTEM technique. Fuel, 2001, 80, 1467-1473.	6.4	76
27	Comparison of structural parameters of PF carbon from XRD and HRTEM techniques. Carbon, 2000, 38, 1977-1984.	10.3	188
28	Direct Observation of Layered Structure of Coals by a Transmission Electron Microscope. Energy & Fuels, 2000, 14, 515-516.	5.1	37
29	Direct Observation of Raw Coals in Lattice Fringe Mode Using High-Resolution Transmission Electron Microscopy. Energy & Fuels, 2000, 14, 1219-1225.	5.1	88
30	Kinetics of pyrolysis of rice husk. Bioresource Technology, 1999, 67, 53-59.	9.6	86
31	A new quantitative approach for microstructural analysis of coal char using HRTEM images. Fuel, 1999, 78, 1203-1212.	6.4	143
32	Analysis of an annular finned pyrolyser. Energy Conversion and Management, 1998, 39, 985-997.	9.2	11
33	Pyrolysis rates of biomass materials. Energy, 1998, 23, 973-978.	8.8	146