

Kazuhiro Kumabe

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

667
citations

1040056

9
h-index

752698

20
g-index

23
all docs

23
docs citations

23
times ranked

843
citing authors

#	ARTICLE	IF	CITATIONS
1	Co-gasification of woody biomass and coal with air and steam. <i>Fuel</i> , 2007, 86, 684-689.	6.4	248
2	Mechanism of decomposition of aromatics over charcoal and necessary condition for maintaining its activity. <i>Fuel</i> , 2008, 87, 2914-2922.	6.4	134
3	Environmental and economic analysis of methanol production process via biomass gasification. <i>Fuel</i> , 2008, 87, 1422-1427.	6.4	83
4	Selective hydrogen generation from real biomass through hydrothermal reaction at relatively low temperatures. <i>Biomass and Bioenergy</i> , 2009, 33, 8-13.	5.7	50
5	Production of hydrocarbons in Fischer-Tropsch synthesis with Fe-based catalyst: Investigations of primary kerosene yield and carbon mass balance. <i>Fuel</i> , 2010, 89, 2088-2095.	6.4	30
6	Coal gasification with a subcritical steam in the presence of a CO ₂ sorbent: products and conversion under transient heating. <i>Fuel Processing Technology</i> , 2003, 82, 61-73.	7.2	25
7	Hydrothermal gasification of glucose and starch in a batch and continuous reactor. <i>Energy Reports</i> , 2017, 3, 70-75.	5.1	16
8	Hydrolysis behavior of tofu waste in hot compressed water. <i>Biomass and Bioenergy</i> , 2012, 39, 112-119.	5.7	14
9	Kinetics of ethanol oxidation in subcritical water. <i>Journal of Supercritical Fluids</i> , 2010, 55, 246-251.	3.2	12
10	Gasification of Organic Waste with Subcritical Steam under the Presence of a Calcium-Based Carbon Dioxide Sorbent. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 6943-6947.	3.7	10
11	Kinetic Study of Subcritical Steam Gasification of Coal Using Calcium-Based Carbon Dioxide Sorbent. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 2183-2188.	3.7	8
12	Characteristics of Hydrogen Production from Coal Tar with Subcritical Steam. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 1950-1953.	3.7	7
13	Effect of Hydrogen Separation on Coal Char Gasification with Subcritical Steam Using a Calcium-Based CO ₂ Sorbent. <i>ACS Omega</i> , 2020, 5, 236-242.	3.5	7
14	Removal of nitric oxide by activated ammonia generated by vacuum ultraviolet radiation. <i>Fuel</i> , 2012, 94, 274-279.	6.4	5
15	Fabrication of Recycled Carbon Fiber Reinforced Magnesium Alloy Composite by Friction Stir Processing Using 3-Flat Pin Tool and Its Fatigue Properties. <i>Materials Transactions</i> , 2018, 59, 475-481.	1.2	5
16	Material balances of major and trace elements in hydrogen production process from coal with CO ₂ recovery. <i>Fuel</i> , 2013, 107, 40-46.	6.4	4
17	Direct Quantitative Analysis of Arsenic in Coal Fly Ash. <i>Journal of Analytical Methods in Chemistry</i> , 2012, 2012, 1-6.	1.6	3
18	Microstructural Modification of AZ91 Magnesium Alloy Using Friction Stir Processing and Carbon Fibers. <i>Materials Science Forum</i> , 2017, 886, 55-58.	0.3	3

#	ARTICLE	IF	CITATIONS
19	Physico-chemical characterization of biomass, coal, and their chars using kinetics and electrochemistry. Energy Reports, 2021, 7, 4437-4444.	5.1	2
20	Behavior of Mercury in Solid Particles Collected from a Very Cold Electrostatic Precipitator. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2010, 89, 903-908.	0.2	1
21	Production of Hydrocarbons in Fischer-Tropsch Synthesis with Cobalt-based Catalyst: Investigations of Primary Kerosene Yield and Carbon Mass Balance. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2017, 96, 121-127.	0.2	0
22	Effect of Arsenic and Selenium on Nickel in SOFC Anode Materials. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2018, 97, 274-283.	0.2	0
23	Sorption Behaviors of SO ₂ and NH ₃ Gases on Sewage Sludge Char. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2020, 99, 158-164.	0.2	0