

Xuyao Qi

List of Publications by Year in descending order

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papers

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567281

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docs citations

25
times ranked

388
citing authors

#	ARTICLE	IF	CITATIONS
1	Gasification characteristics and thermodynamic analysis of ultra-lean oxygen oxidized lignite residues. <i>Energy</i> , 2022, 240, 122796.	8.8	7
2	Reaction activity and mechanism of R3-CH structure oxidation in coal self-heating. <i>Fuel</i> , 2021, 290, 119797.	6.4	22
3	Thermogravimetric and infrared spectral analysis of candle coal pyrolysis under low-oxygen concentration. <i>Thermochimica Acta</i> , 2021, 696, 178840.	2.7	16
4	Reaction model and thermodynamic properties between sulfur-containing active groups and oxygen during coal self-heating. <i>Canadian Journal of Chemistry</i> , 2021, 99, 31-42.	1.1	4
5	Coupling Relation between the Location of Cross-Cut Negative Pressure and Injecting Nitrogen into Coal Mine Goaf. <i>ACS Omega</i> , 2021, 6, 8189-8198.	3.5	6
6	Reaction pathways and cyclic chain model of free radicals during coal spontaneous combustion. <i>Fuel</i> , 2021, 293, 120436.	6.4	65
7	Influence of Temperature Change on the Change Law of Free Radicals in Coal. <i>ACS Omega</i> , 2021, 6, 33685-33693.	3.5	8
8	The reburning thermal characteristics of residual structure of lignite pyrolysis. <i>Fuel</i> , 2020, 259, 116226.	6.4	26
9	Reaction Mechanism of Aldehyde Groups during Coal Self-Heating. <i>ACS Omega</i> , 2020, 5, 23184-23192.	3.5	16
10	In situ FTIR study on real-time changes of active groups during lignite reaction under low oxygen concentration conditions. <i>Journal of the Energy Institute</i> , 2019, 92, 1557-1566.	5.3	32
11	The competitive reaction mechanism between oxidation and pyrolysis consumption during low-rank coal combustion at lean-oxygen conditions: A quantitative calculation based on thermogravimetric analyses. <i>Canadian Journal of Chemical Engineering</i> , 2018, 96, 2575-2585.	1.7	9
12	Reaction Mechanism and Thermodynamic Properties of Aliphatic Hydrocarbon Groups during Coal Self-Heating. <i>Energy & Fuels</i> , 2018, 32, 10469-10477.	5.1	36
13	Quantum chemistry calculation of reaction pathways of carboxyl groups during coal self-heating. <i>Canadian Journal of Chemistry</i> , 2017, 95, 824-829.	1.1	19
14	Thermodynamic characteristics of coal reaction under low oxygen concentration conditions. <i>Journal of the Energy Institute</i> , 2017, 90, 544-555.	5.3	94
15	Reaction pathways of hydroxyl groups during coal spontaneous combustion. <i>Canadian Journal of Chemistry</i> , 2016, 94, 494-500.	1.1	44
16	Controlled-release inhibitor for preventing the spontaneous combustion of coal. <i>Natural Hazards</i> , 2016, 82, 891-901.	3.4	57
17	Kinetics characteristics of coal low-temperature oxidation in oxygen-depleted air. <i>Journal of Loss Prevention in the Process Industries</i> , 2015, 35, 224-231.	3.3	103
18	Oxidation and Self-Reaction of Carboxyl Groups During Coal Spontaneous Combustion. <i>Spectroscopy Letters</i> , 2015, 48, 173-178.	1.0	40

#	ARTICLE	IF	CITATIONS
19	An In Situ Testing Method for Analyzing the Changes of Active Groups in Coal Oxidation at Low Temperatures. <i>Spectroscopy Letters</i> , 2014, 47, 495-503.	1.0	54
20	A rapid method for determining the R70 self-heating rate of coal. <i>Thermochimica Acta</i> , 2013, 571, 21-27.	2.7	41
21	In Situ FTIR Study of Real-Time Changes of Active Groups during Oxygen-Free Reaction of Coal. <i>Energy & Fuels</i> , 2013, 27, 3130-3136.	5.1	69
22	ENVIRONMENTAL HAZARDS OF COAL FIRE AND THEIR PREVENTION IN CHINA. <i>Environmental Engineering and Management Journal</i> , 2013, 12, 1915-1919.	0.6	14
23	Changes in active functional groups during low-temperature oxidation of coal. <i>Mining Science and Technology</i> , 2010, 20, 35-40.	0.3	35
24	Characteristics of oxygen consumption of coal at programmed temperatures. <i>Mining Science and Technology</i> , 2010, 20, 372-377.	0.3	17
25	An Environmentally Friendly Antioxidant Foamed Gel for Inhibiting Spontaneous Combustion of Coal. <i>Combustion Science and Technology</i> , 0, , 1-22.	2.3	2