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The spontaneous combustion of coal and its by-products in the Witbank and Sasolburg coalfields of South Africa

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#	Paper	IF	Citations
245	Environmental characterization of burnt coal gangue banks at Yangquan, Shanxi Province, China. <i>International Journal of Coal Geology</i> , 2008 , 75, 93-104	5.5	212
244	Greenhouse gas emissions from low-temperature oxidation and spontaneous combustion at open-cut coal mines in Australia. <i>International Journal of Coal Geology</i> , 2009 , 78, 161-168	5.5	139
243	The Tiptop coal-mine fire, Kentucky: Preliminary investigation of the measurement of mercury and other hazardous gases from coal-fire gas vents. <i>International Journal of Coal Geology</i> , 2009 , 80, 63-67	5.5	68
242	Geochemical study of products associated with spontaneous oxidation of coal in the Cerro Pelado Formation, Venezuela. 2009 , 27, 211-218		6
241	Thermal alterations of organic matter in coal wastes from Upper Silesia, Poland. 2010 , 41,		17
240	Deposition and alteration of carbonaceous series within a Neotethyan rift at the western boundary of the Arabian Plate: The Late Permian Um Irna Formation, NW Jordan, a petroleum system. <i>International Journal of Coal Geology</i> , 2010 , 81, 1-24	5.5	17
239	CO(2), CO, and Hg emissions from the Truman Shepherd and Ruth Mullins coal fires, eastern Kentucky, USA. <i>Science of the Total Environment</i> , 2010 , 408, 1628-33	10.2	89
238	Identification of nanominerals and nanoparticles in burning coal waste piles from Portugal. <i>Science of the Total Environment</i> , 2010 , 408, 6032-41	10.2	159
237	Thermal transformation of organic matter in coal waste from Rymer Cones (Upper Silesian Coal Basin, Poland). <i>International Journal of Coal Geology</i> , 2010 , 81, 343-358	5.5	53
236	Burning of coal waste piles from Douro Coalfield (Portugal): Petrological, geochemical and mineralogical characterization. <i>International Journal of Coal Geology</i> , 2010 , 81, 359-372	5.5	81
235	Simulated water-washing of organic compounds from self-heated coal wastes of the Rymer Cones Dump (Upper Silesia Coal Region, Poland). 2010 , 41, 1009-1012		16
234	Minerals of the ammonioalunite-ammoniojarosite series formed on a burning coal dump at Czerwionka, Upper Silesian Coal Basin, Poland. 2010 , 74, 731-745		16
233	Environmental implications of material leached from coal. 2011 , 13, 1488-94		10
232	Sample Identification and Imaging of Gas-Vent Mineral Assemblages. 2011 , 155-171		
231	Application of organic petrology and geochemistry to coal waste studies. <i>International Journal of Coal Geology</i> , 2011 , 88, 1-23	5.5	61
230	CO and CO2 emissions from spontaneous heating of coal under different ventilation rates. <i>International Journal of Coal Geology</i> , 2011 , 88, 24-30	5.5	83
229	Catalytic decomposition of nitrogen oxides from coal combustion flue gases on CeZrO2 supported Cu catalysts. 2011 , 176, 126-130		13

228	Coal cleaning residues and Fe-minerals implications. 2011 , 172, 367-78		72
227	Early detection of spontaneous combustion of coal in underground coal mines with development of an ethylene enriching system. <i>International Journal of Coal Geology</i> , 2011 , 85, 123-127	5.5	85
226	Risk assessment of underground coal fire development at regional scale. <i>International Journal of Coal Geology</i> , 2011 , 86, 87-94	5.5	45
225	Old Smokey coal fire, Floyd County, Kentucky: Estimates of gaseous emission rates. <i>International Journal of Coal Geology</i> , 2011 , 87, 150-156	5.5	39
224	Evaluation of the propensity for coal spontaneous combustion based on catastrophe theory. 2011 , 17, 265-269		11
223	Influence of soil cover on reducing the environmental impact of spontaneous coal combustion in coal waste gobs: A review and new experimental data. <i>International Journal of Coal Geology</i> , 2011 , 85, 2-22	5.5	104
222	Nanominerals and ultrafine particles in sublimates from the Ruth Mullins coal fire, Perry County, Eastern Kentucky, USA. <i>International Journal of Coal Geology</i> , 2011 , 85, 237-245	5.5	89
221	Abundances and modes of occurrence of trace elements in the Eocene coals (Miocene), Eocene-Turkey. <i>International Journal of Coal Geology</i> , 2011 , 87, 157-173	5.5	61
220	Oxygen Physisorption Characteristics of Coal. 2011 , 704-705, 897-902		1
219	Geotechnical and Environmental Problems: Coal and Spontaneous Combustion. 2011 , 83-100		1
218	Environmental and Health Impacts of Coal Fires. 2011 , 115-125		8
217	Theoretical and Experimental Study on Spontaneous Ignition of Lignite during the Drying Process in a Packed Bed. 2012 , 26, 6876-6887		8
216	Formation and distribution of polycyclic aromatic hydrocarbons (PAHs) derived from coal seam combustion: A case study of the Ulanqab lignite from Inner Mongolia, northern China. <i>International Journal of Coal Geology</i> , 2012 , 90-91, 126-134	5.5	21
215	Review and update of the applications of organic petrology: Part 2, geological and multidisciplinary applications. <i>International Journal of Coal Geology</i> , 2012 , 98, 73-94	5.5	32
214	Gas emissions, minerals, and tars associated with three coal fires, Powder River Basin, USA. <i>Science of the Total Environment</i> , 2012 , 420, 146-59	10.2	74
213	Polycyclic aromatic hydrocarbons (PAHs) in burning and non-burning coal waste piles. <i>Journal of Hazardous Materials</i> , 2012 , 199-200, 105-110	12.8	72
212	Metal content in street dust as a reflection of atmospheric dust emissions from coal power plants, metal smelters, and traffic. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 4455-68	5.1	59
211	Gaseous compounds and efflorescences generated in self-heating coal-waste dumps [A case study from the Upper and Lower Silesian Coal Basins (Poland)]. <i>International Journal of Coal Geology</i> , 2013 , 116-117, 247-261	5.5	47

210	Thermoelectric self-potential and resistivity data localize the burning front of underground coal fires. 2013 , 78, B259-B273		44
209	Kinetic and thermodynamic studies on the mechanism of low-temperature oxidation of coal: A case study of Shendong coal (China). <i>International Journal of Coal Geology</i> , 2013 , 120, 41-49	5.5	59
208	Diversity of prokaryotes associated with soils around coal-fire gas vents in MaNasi county of Xinjiang, China. 2013 , 103, 23-36		8
207	Gaseous emissions and sublimates from the Truman Shepherd coal fire, Floyd County, Kentucky: A re-investigation following attempted mitigation of the fire. <i>International Journal of Coal Geology</i> , 2013 , 116-117, 63-74	5.5	103
206	Bowen Basin and Hunter Valley, Australia. 2013 , 1-10		
205	Spontaneous Combustion of Canadian Coals. 2013 , 25-39		
204	Witbank and Free State Coalfield Fires of South Africa. 2013 , 407-426		
203	Effect of Experimental Conditions on Parameters Derived from Micro Calorimeter Measurements of Coal Low-Temperature Oxidation. 2013 , 316-317, 850-853		1
202	TERAHERTZ MEASUREMENT OF INDICATOR GAS EMISSION FROM COAL SPONTANEOUS COMBUSTION AT LOW TEMPERATURE. 2013 , 20, 709-718		7
201	Environment-oriented low-cost porous mullite ceramic membrane supports fabricated from coal gangue and bauxite. <i>Journal of Hazardous Materials</i> , 2014 , 273, 136-45	12.8	96
200	Influence of acid leaching and calcination on iron removal of coal kaolin. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2014 , 21, 317-325	3.1	10
199	Mercury emission from coal seam fire at Wuda, Inner Mongolia, China. 2014 , 83, 176-184		62
198	Petrographic characterization of coals as a tool to detect spontaneous combustion potential. 2014 , 125, 173-182		39
197	Estimating the Spontaneous Combustion Potential of Coals Using Thermogravimetric Analysis. 2014 , 28, 1765-1773		65
196	Mineralogy and geochemistry of coal wastes from the Starzykowiec coal-waste dump (Upper Silesia, Poland). <i>International Journal of Coal Geology</i> , 2014 , 127, 42-55	5.5	37
195	Nanominerals and ultrafine particles from coal fires from Santa Catarina, South Brazil. <i>International Journal of Coal Geology</i> , 2014 , 122, 50-60	5.5	90
194	Using the ReaxFF reactive force field for molecular dynamics simulations of the spontaneous combustion of lignite with the Hatcher lignite model. 2014 , 116, 7-13		46
193	Thermal mapping of self-heating zones on coal waste dumps in Upper Silesia (Poland) [A case study]. <i>International Journal of Coal Geology</i> , 2014 , 128-129, 47-54	5.5	18

192	Laboratory study on low-temperature coal spontaneous combustion in the air of reduced oxygen and low methane concentration. 2015 , 22,		5
191	Remote sensing and geochemistry techniques for the assessment of coal mining pollution, Emalahleni (Witbank), Mpumalanga.. 2015 , 4, 174		14
190	Self-Adaptive Gradient-Based Thresholding Method for Coal Fire Detection Using ASTER Thermal Infrared Data, Part I: Methodology and Decadal Change Detection. 2015 , 7, 6576-6610		17
189	Health risk assessment of toxic VOCs species for the coal fire well drillers. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 15132-44	5.1	20
188	Coal mine fires and human health: What do we know?. <i>International Journal of Coal Geology</i> , 2015 , 152, 1-14	5.5	76
187	The properties of İn Basin coals (İnakkale-Turkey): Spontaneous combustion and combustion by-products. <i>International Journal of Coal Geology</i> , 2015 , 138, 1-15	5.5	47
186	Spontaneous Combustion in Open-Cut Coal Mines. 2015 , 1-36		2
185	A Review of Coal-Fire Sampling Methods. 2015 , 743-757		2
184	Fire Prevention in Coal Waste Dumps. 2015 , 349-385		1
183	Mineralogy of Burning-Coal Waste Piles in Collieries of the Czech Republic. 2015 , 109-159		2
182	The Thermal History of Select Coal-Waste Dumps in the Upper Silesian Coal Basin, Poland. 2015 , 431-462		1
181	Identification and control of spontaneous combustion of coal pillars: a case study in the Qianyingzi Mine, China. 2015 , 75, 2683-2697		36
180	Modes and kinetics of CO ₂ and CO production from low-temperature oxidation of coal. <i>International Journal of Coal Geology</i> , 2015 , 140, 1-8	5.5	66
179	Preparation and characterization of a novel porous silicate material from coal gangue. 2015 , 217, 210-218		44
178	Heavy metals in the soils of Bloemfontein, South Africa: concentration levels and possible sources. 2015 , 187, 439		6
177	Modeling of the equivalent permeability for an underground coal fire zone, Xinjiang region, China. 2015 , 78, 957-971		20
176	Effects of pyrite on the spontaneous combustion of coal. <i>International Journal of Coal Science and Technology</i> , 2015 , 2, 306-311	4.5	39
175	Nanominerals and Ultrafine Particles from Brazilian Coal Fires. 2015 , 37-55		

174	Fate of hazardous elements in agricultural soils surrounding a coal power plant complex from Santa Catarina (Brazil). <i>Science of the Total Environment</i> , 2015 , 508, 374-82	10.2	77
173	Prediction of unconfined compressive strength of pulverized fuel ash cement sand mixture. 2015 , 48, 1061-1073		13
172	Enrichment of trace element concentrations in coal and its combustion residues and their potential environmental and human health impact: Can Coal Basin, NW Turkey as a case study. 2016 , 19, 455		5
171	Estimation of greenhouse gas emissions from spontaneous combustion/fire of coal in opencast mines Indian context. 2016 , 7, 317-332		13
170	Environmental effects of coal gangue and its utilization. 2016 , 38, 3716-3721		10
169	Secondary Cities and Development. 2016 ,		19
168	Geochemistry of self-burning coal mining residues from El Bierzo Coalfield (NW Spain): Environmental implications. <i>International Journal of Coal Geology</i> , 2016 , 159, 155-168	5.5	25
167	Water and soil quality at two eastern-Kentucky (USA) coal fires. 2016 , 75, 1		13
166	Influence of temperature and airflow on polycyclic aromatic hydrocarbons (PAHs) by simulated self-combustion of coal partings. 2016 , 4, 3601-3609		10
165	Radiation- and self-ignition induced alterations of Permian uraniferous coal from the abandoned Nov Bor mine waste dump (Czech Republic). <i>International Journal of Coal Geology</i> , 2016 , 168, 162-178	5.5	15
164	Polymorphisms in metabolism and repair genes affects DNA damage caused by open-cast coal mining exposure. 2016 , 808, 38-51		29
163	Leaching behavior of trace elements in coal spoils from Yangquan coal mine, Northern China. 2016 , 27, 891-900		5
162	Use of geochemical analysis and vitrinite reflectance to assess different self-heating processes in coal-waste dumps (Upper Silesia, Poland). 2016 , 181, 102-119		17
161	Petrography and mineralogy of self-burning coal wastes from anthracite mining in the El Bierzo Coalfield (NW Spain). <i>International Journal of Coal Geology</i> , 2016 , 154-155, 92-106	5.5	32
160	Kinetic study on changes in methyl and methylene groups during low-temperature oxidation of coal via in-situ FTIR. <i>International Journal of Coal Geology</i> , 2016 , 154-155, 155-164	5.5	64
159	Fuel characteristics of molasses-impregnated low-rank coal produced in a top-spray fluidized-bed reactor. 2016 , 34, 1095-1106		2
158	Nanomineralogy in the real world: A perspective on nanoparticles in the environmental impacts of coal fire. 2016 , 147, 439-43		81
157	The impact of water-washing, biodegradation and self-heating processes on coal waste dumps in the Rybnik Industrial Region (Poland). <i>International Journal of Coal Geology</i> , 2016 , 154-155, 286-299	5.5	16

156	The properties of the nano-minerals and hazardous elements: Potential environmental impacts of Brazilian coal waste fire. <i>Science of the Total Environment</i> , 2016 , 544, 892-900	10.2	43
155	Evaluation of fluorine release from air deposited coal spoil piles: A case study at Yangquan city, northern China. <i>Science of the Total Environment</i> , 2016 , 545-546, 1-10	10.2	27
154	Using spatiotemporal remote sensing data to assess the status and effectiveness of the underground coal fire suppression efforts during 2000-2015 in Wuda, China. 2017 , 142, 565-577		20
153	Characteristics of an open-cut coal mine fire pollution event. 2017 , 151, 140-151		25
152	Impact of underground coal fire on coal petrographic properties of high volatile bituminous coals: A case study from coal fire zone No. 3.2 in the Wuda Coalfield, Inner Mongolia Autonomous Region, North China. <i>International Journal of Coal Geology</i> , 2017 , 171, 185-211	5.5	15
151	Study on the relationship between microscopic functional group and coal mass changes during low-temperature oxidation of coal. <i>International Journal of Coal Geology</i> , 2017 , 171, 212-222	5.5	77
150	Oxidatively and thermally altered high-volatile bituminous coals in high-temperature coal fire zone No. 8 of the Wuda Coalfield (North China). <i>International Journal of Coal Geology</i> , 2017 , 176-177, 8-35	5.5	9
149	Heat transfer and thermodynamic processes in coal-bearing strata under the spontaneous combustion condition. 2017 , 71, 1-16		23
148	Changes on the low-temperature oxidation characteristics of coal after CO ₂ adsorption: A case study. 2017 , 49, 536-544		18
147	Trace element geochemistry of self-burning and weathering of a mineralized coal waste dump: The NovBor mine, Czech Republic. <i>International Journal of Coal Geology</i> , 2017 , 173, 158-175	5.5	20
146	The quantification of atmospheric emissions from complex configuration sources using reverse dispersion modelling. 2017 , 14, 2367-2378		1
145	Synchronous thermal analyses and kinetic studies on a caged-wrapping and sustained-release type of composite inhibitor retarding the spontaneous combustion of low-rank coal. 2017 , 157, 65-75		32
144	Self-heating Potential of Coal Inferred from Elemental Data [A Case Study of the Witbank Coalfield of South Africa. 2017 , 31, 11811-11817		1
143	Mercury emissions from dynamic monitoring holes of underground coal fires in the Wuda Coalfield, Inner Mongolia, China. <i>International Journal of Coal Geology</i> , 2017 , 181, 78-86	5.5	21
142	Design for thermoelectric power generation using subsurface coal fires. 2017 , 140, 929-940		18
141	Thermal history of coal wastes reflected in their organic geochemistry and petrography; the case study: The Katowice-Wełnowiec dump, Poland. <i>International Journal of Coal Geology</i> , 2017 , 184, 11-26	5.5	6
140	Study on primal CO gas generation and emission of coal seam. 2017 , 27, 973-979		26
139	Gaseous emissions from the Lotts Creek coal mine fire: Perry County, Kentucky. <i>International Journal of Coal Geology</i> , 2017 , 180, 57-66	5.5	13

138	Review of experimental methods to determine spontaneous combustion susceptibility of coal in Indian context. 2017 , 31, 301-332		22
137	ECOAL Project Delivering Solutions for Integrated Monitoring of Coal-Related Fires Supported on Optical Fiber Sensing Technology. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 956	2.6	5
136	A qualitative and quantitative investigation of partitioning and local structure of arsenate in barite lattice during coprecipitation of barium, sulfate, and arsenate. 2017 , 102, 2512-2520		8
135	Distribution of surface soil mercury of Wuda old mining area, Inner Mongolia, China. 2018 , 24, 1421-1439		11
134	R&D of colloid components of composite material for fire prevention and extinguishing and an investigation of its performance. <i>Chemical Engineering Research and Design</i> , 2018 , 113, 357-368	5.5	16
133	Characteristics of carbon monoxide production and oxidation kinetics during the decaying process of coal spontaneous combustion. 2018 , 96, 1752-1761		23
132	Geospatial analysis of residential proximity to open-pit coal mining areas in relation to micronuclei frequency, particulate matter concentration, and elemental enrichment factors. 2018 , 206, 203-216		13
131	Mercury enrichment in coal fire sponge in Wuda coalfield, Inner Mongolia of China. <i>International Journal of Coal Geology</i> , 2018 , 192, 51-55	5.5	18
130	Analysis of Adsorption and Desorption of Ethylene on Hard Coals. 2018 , 32, 4951-4958		1
129	Greenhouse Gas Emissions From Coal Mining Activities and Their Possible Mitigation Strategies. 2018 , 259-294		4
128	Chemical and mineralogical characterization of highly and less reactive coal from Northern Natal and Venda-Pafuri coalfields in South Africa. 2018 , 137, 278-285		3
127	Characteristics of mass, heat and gaseous products during coal spontaneous combustion using TG/DSC/TIR technology. 2018 , 131, 2963-2974		63
126	Cytogenetic instability in populations with residential proximity to open-pit coal mine in Northern Colombia in relation to PM and PM levels. 2018 , 148, 453-466		23
125	Receptor modelling and risk assessment of volatile organic compounds measured at a regional background site in South Africa. 2018 , 172, 133-148		25
124	Hydrocarbon condensates and argillites in the Eliška Mine burnt coal waste heap of the Běláá coal district (Czech Republic): Products of high- and low-temperature stages of self-ignition. <i>International Journal of Coal Geology</i> , 2018 , 190, 146-165	5.5	8
123	Applications of Geochemistry to Medical Geology. 2018 , 435-465		5
122	Fire hazard in coal waste dumps Selected aspects of the environmental impact. 2018 , 174, 012013		1
121	Numerical analysis on the evolution of CO concentration in return corner: A case study of steady U-type ventilation working face. 2018 , 74, 1732-1746		7

120	Development law of air leakage fractures in shallow coal seams: a case study in the Shendong Coalfield of China. 2018 , 77, 1		9
119	Impact of the crystallite parameters and coal ranks on oxidation and combustion properties of Carboniferous coals and Jurassic coals. <i>Arabian Journal of Geosciences</i> , 2018 , 11, 1	1.8	5
118	A study on the prediction method of coal spontaneous combustion development period based on critical temperature. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 35748-35760	5.1	5
117	Simulation of spontaneous combustion region in coal piles under multi-field coupling. 2018 , 1-13		1
116	Optimization of techniques for the extinction and prevention of coal fires produced in final walls as a result of spontaneous combustion in the Cerrejón mine-Colombia. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 32515-32523	5.1	7
115	Spontaneous combustion of coals and coal-shales. 2018 , 28, 933-940		65
114	Influence of different concentrations of ionic solutions on coal spontaneous combustion. 2018 , 190, 1817-1831		7
113	Study on oxidation and gas release of active sites after low-temperature pyrolysis of coal. 2018 , 233, 237-246		65
112	Risk evaluation of coal spontaneous combustion on the basis of auto-ignition temperature. 2018 , 233, 68-76		83
111	Mercury emissions flux from various land uses in old mining area, Inner Mongolia, China. 2018 , 192, 132-141		6
110	Detection, extinguishing, and monitoring of a coal fire in Xinjiang, China. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 26603-26616	5.1	23
109	Bottom-up anthropogenic dichloromethane emission estimates from China for the period 2005-2016 and predictions of future emissions. 2018 , 186, 241-247		20
108	Subsidence Mechanism and Stability Assessment Methods for Partial Extraction Mines for Sustainable Development of Mining Cities: A Review. 2018 , 10, 113		16
107	Lignite coal burning seam in the remote Altai Mountains harbors a hydrogen-driven thermophilic microbial community. 2018 , 8, 6730		8
106	Characteristics of polycyclic aromatic hydrocarbon release during spontaneous combustion of coal and gangue in the same coal seam. 2018 , 55, 392-399		20
105	Structure and thermal history of the Wełnowiec dump, Poland: A municipal dump rehabilitated with coal waste. <i>International Journal of Coal Geology</i> , 2018 , 197, 1-19	5.5	10
104	Genetic damage in environmentally exposed populations to open-pit coal mining residues: Analysis of buccal micronucleus cytome (BMN-cyt) assay and alkaline, Endo III and FPG high-throughput comet assay. 2018 , 836, 24-35		6
103	Health risks of exposure to air pollutants among students in schools in the vicinities of coal mines. 2019 , 37, 1638-1656		6

102	Environmental influence of gaseous emissions from self-heating coal waste dumps in Silesia, Poland. 2019 , 41, 575-601		15
101	Statistical analysis to establish an ignition scenario based on extrinsic and intrinsic variables of coal seams that affect spontaneous combustion. 2019 , 29, 731-737		5
100	Influence of organic and inorganic properties of coal-shale on spontaneous combustion liability. 2019 , 29, 851-857		16
99	Experimental Research on the Performance of the Macromolecule Colloid Fire-Extinguishing Material for Coal Seam Spontaneous Combustion. 2019 , 2019, 1-10		2
98	Trace element partition in coal fires. 2019 , 105-142		2
97	Field Study on Correlation between CO Concentration and Surface Soil CO Flux in Closed Coal Mine Goaf. 2019 , 4, 12136-12145		1
96	EXAMINATION OF THE ROLE OF MOISTURE CONTENT ON THE SPONTANEOUS COMBUSTION OF COAL (SCC). 2019 , 34, 61-71		1
95	A study of fire propagation in coal seam with numerical simulation of heat transfer and chemical reaction rate in mining field. 2019 , 29, 873-879		11
94	Exploring coal spontaneous combustion by bibliometric analysis. <i>Chemical Engineering Research and Design</i> , 2019 , 132, 1-10	5.5	14
93	A new equation for the prediction of coal self-heating based on maceral content. 2019 , 1-21		0
92	Comprehensive utilization and environmental risks of coal gangue: A review. 2019 , 239, 117946		124
91	Thermogravimetric and infrared spectroscopic study of bituminous coal spontaneous combustion to analyze combustion reaction kinetics. 2019 , 676, 84-93		24
90	Experimental study on the compound system of proanthocyanidin and polyethylene glycol to prevent coal spontaneous combustion. 2019 , 254, 115610		22
89	Black carbon aerosols from the coal seam of eastern India: A real-time analysis with statistical validation. 2019 , 128, 1		0
88	A method for evaluating the spontaneous combustion of coal by monitoring various gases. <i>Chemical Engineering Research and Design</i> , 2019 , 126, 223-231	5.5	65
87	The Potential Environmental Impact of PAHs on Soil and Water Resources in Air Deposited Coal Refuse Sites in Niangziguan Karst Catchment, Northern China. 2019 , 16,		9
86	A Comprehensive Study of Effect of Maceral Content on Tendency of Spontaneous Coal Combustion Occurrence. 2019 , 100, 1-13		3
85	Identifying and sourcing pyrometamorphic artifacts: Clinker in subarctic North America and the hunter-gatherer response to a Late Holocene volcanic eruption. 2019 , 23, 773-790		4

84	Distribution of Polycyclic Aromatic Hydrocarbons in Coal Gangue and Emitted Gas with Low-Temperature Spontaneous Combustion in Situ. 2019 , 33, 176-184	8
83	The Spontaneous Combustion of Coal-Mine Waste and Stream Effects in the El Bierzo Coalfield, Spain. 2019 , 97-124	2
82	Quantification of the Environmental Impact of Coal Fires. 2019 , 195-215	
81	Evidence of Human Health Impacts From Uncontrolled Coal Fires in Jharia, India. 2019 , 343-358	
80	Remote Sensing Techniques for Detecting Self-Heated Hot Spots on Coal Waste Dumps in Upper Silesia, Poland. 2019 , 387-406	2
79	Treatment of smouldering coal refuse piles: an application in China. 2020 , 41, 3105-3118	2
78	Investigation of water influence on coal based on thermal oxidative degradation kinetics. 2020 , 139, 1265-1274	3
77	Investigation of organic material self-heating in oxygen-depleted condition within a coal-waste dump in Upper Silesia Coal Basin, Poland. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 8285-8307	8
76	Visualization and analysis of mapping knowledge domains for spontaneous combustion studies. 2020 , 262, 116598	21
75	Geochemical modeling, source apportionment, health risk exposure and control of higher fluoride in groundwater of sub-district Dargai, Pakistan. 2020 , 243, 125409	40
74	Experimental study on the influence of water immersion on spontaneous combustion of anthracite with high concentrations of sulfur-bearing minerals. 2020 , 141, 893-903	7
73	Organic contaminants of coal-waste dump water in the Lower- and Upper Silesian Coal Basins (Poland). 2020 , 122, 104690	5
72	Characteristics for Oxygen-Lean Combustion and Residual Thermodynamics in Coalfield-Fire Zones within Axial Pressure. 2020 , 5, 22502-22512	5
71	The Behaviour of Siderite Rocks in an Experimental Imitation of Pyrometamorphic Processes in Coal-Waste Fires: Upper and Lower Silesian Case, Poland. <i>Minerals (Basel, Switzerland)</i> , 2020 , 10, 586	2.4 2
70	Effect of porous structure of coal on propylene adsorption from gas mixtures. 2020 , 10, 11277	2
69	Study on the Oxidation Kinetics and Microreactivity of Water-Immersed Coal. 2020 , 5, 17287-17303	9
68	Investigation of the effect of reactor size on spontaneous combustion properties of coals with different coalification degrees. <i>Arabian Journal of Geosciences</i> , 2020 , 13, 1	1.8 4
67	Distribution of Polycyclic Aromatic Hydrocarbons in Coal Gangue with Different Metamorphic Degrees. 2020 , 514, 022056	0

66	Targeted inertization with flue gas injection in fully mechanized caving gob for residual coal spontaneous combustion prevention with CFD modeling. 2020 , 8, 3961-3979		6
65	Co-Disposal of Coal Gangue and Red Mud for Prevention of Acid Mine Drainage Generation from Self-Heating Gangue Dumps. <i>Minerals (Basel, Switzerland)</i> , 2020 , 10, 1081	2.4	2
64	A review on the impact of mining operation: Monitoring, assessment and management. 2020 , 8, 100181		28
63	Spontaneous Combustion Liability Indices of Coal. 2020 , 1-13		5
62	Effect of the heating rate on the spontaneous combustion characteristics and exothermic phenomena of weakly caking coal at the low-temperature oxidation stage. 2020 , 268, 117327		20
61	Nanomineralogy of evaporative precipitation of efflorescent compounds from coal mine drainage. 2020 , 12, 101003-101003		6
60	Causes and detection of coalfield fires, control techniques, and heat energy recovery: A review. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2020 , 27, 275-291	3.1	11
59	Community Citizen Science for Risk Management of a Spontaneously Combusting Coal-Mine Waste Heap in Ban Chaung, Dawei District, Myanmar. 2020 , 4, e2020GH000249		5
58	Mineralogical and geochemical characteristics of pyrometamorphic rocks induced by coal fires in Junggar Basin, Xinjiang, China. 2020 , 213, 106511		4
57	Study of combustion behaviour and kinetics modelling of Chinese Gongwusu coal gangue: Model-fitting and model-free approaches. 2020 , 268, 117284		42
56	Self-heating characteristics of materials for producing activated carbon. 2020 , 1-17		10
55	Development of a petrographic classification system for organic particles affected by self-heating in coal waste. (An ICCP Classification System, Self-heating Working Group [Commission III]). <i>International Journal of Coal Geology</i> , 2020 , 220, 103411	5.5	6
54	Pyrolysis characteristics, artificial neural network modeling and environmental impact of coal gangue and biomass by TG-FTIR. <i>Science of the Total Environment</i> , 2021 , 751, 142293	10.2	40
53	Pre-closure assessment of elevated arsenic and other potential environmental constraints to developing aquaculture and fisheries: The case of the Mae Moh mine and power plant, Lampang, Thailand. 2021 , 269, 128682		1
52	Classification of fires in coal waste dumps based on Landsat, Aster thermal bands and thermal camera in Polish and Ukrainian mining regions. <i>International Journal of Coal Science and Technology</i> , 2021 , 8, 441-456	4.5	8
51	Effect of Igneous Intrusions on Low-temperature Oxidation Characteristics of Coal in Daxing Mine, China. 2021 , 193, 577-593		6
50	New Evaluation Methods for Coal Loss Due to Underground Coal Fires. 2021 , 193, 1022-1041		1
49	A survey on the gas emissions and soil properties near the surface in a coal fire area. <i>Arabian Journal of Geosciences</i> , 2021 , 14, 1	1.8	1

48	Low-temperature oxidation and self-heating accelerated spontaneous combustion properties of a Yima formation bituminous coal with various moisture contents. 1-20		2
47	Selected ions and major and trace elements as contaminants in coal-waste dump water from the Lower and Upper Silesian Coal Basins (Poland). <i>International Journal of Coal Science and Technology</i> , 2021 , 8, 790-814	4.5	4
46	Thermophilic Chloroflexi Dominate in the Microbial Community Associated with Coal-Fire Gas Vents in the Kuznetsk Coal Basin, Russia. 2021 , 9,		2
45	Ambient PM and Related Health Impacts of Spontaneous Combustion of Coal and Coal Gangue. <i>Environmental Science & Technology</i> , 2021 , 55, 5763-5771	10.3	4
44	The reaction of free radicals and functional groups during coal oxidation at low temperature under different oxygen concentrations. <i>Chemical Engineering Research and Design</i> , 2021 , 150, 148-156	5.5	6
43	Heavy metal- and organic-matter pollution due to self-heating coal-waste dumps in the Upper Silesian Coal Basin (Poland). <i>Journal of Hazardous Materials</i> , 2021 , 412, 125244	12.8	8
42	Innovative utilization of red mud through co-roasting with coal gangue for separation of iron and aluminum minerals. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 98, 298-307	6.3	10
41	Three-dimensional distribution and oxidation degree analysis of coal gangue dump fire area: A case study. <i>Science of the Total Environment</i> , 2021 , 772, 145606	10.2	25
40	Underground coal fire emission of spontaneous combustion, Sandaoba coalfield in Xinjiang, China: Investigation and analysis. <i>Science of the Total Environment</i> , 2021 , 777, 146080	10.2	5
39	Numerical Simulation of Coupled Thermal-Hydrological-Mechanical-Chemical Processes in the Spontaneous Combustion of Underground Coal Seams. <i>Geofluids</i> , 2021 , 2021, 1-12	1.5	
38	Experimental study on the simultaneous effect of long-term water immersion and pyrite content on spontaneous combustion liability of Eherler coals (K&Eshya, Western Turkey). <i>Arabian Journal of Geosciences</i> , 2021 , 14, 1	1.8	
37	Concentration and speciation of mercury in atmospheric particulates in the Wuda coal fire area, Inner Mongolia, China. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	1
36	Mitigation of greenhouse gases released from mining activities: A review. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2021 , 28, 513-521	3.1	5
35	Taxonomically-linked growth phenotypes during arsenic stress among arsenic resistant bacteria isolated from soils overlying the Centralia coal seam fire. <i>PLoS ONE</i> , 2018 , 13, e0191893	3.7	14
34	Metagenomic Analysis of the Microbial Community in the Underground Coal Fire Area (Kemerovo Region, Russia) Revealed Predominance of Thermophilic Members of the Phyla Deinococcus-Thermus, Aquificae, and Firmicutes. <i>Microbiology</i> , 2021 , 90, 578-587	1.4	0
33	Heat Effect of Oxidation of Aliphatic Hydrocarbon Groups on the Piecewise Characteristics and Spontaneous Combustion Tendency of Coal. <i>Solid Fuel Chemistry</i> , 2021 , 55, 338-347	0.7	0
32	Molecular and Stable Isotope Composition of Pollutants Emitted during Thermal Processes within the Rymer Coal Waste Dump (Upper Silesia, Poland). <i>Minerals (Basel, Switzerland)</i> , 2021 , 11, 1120	2.4	0
31	Glycerol effect on the inhibition of spontaneous combustion of subbituminous coal. <i>Bolet&iacute;n De Ciencias De La Tierra</i> , 2016 , 64-74	0.1	1

30	Effect of the Heat Input by Dolerite Intrusions and the Propensity for Spontaneous Combustion in the Highveld Coalfields, South Africa. 2019 , 39-47		
29	KÖMÜRÜN KENDİLİĞİNDEN YANMASI VE ETKİLİ YEN FAKTÖRLER. <i>Scientific Mining Journal</i> , 145-165	0.5	1
28	Type of crossing of coal waste dumps by geodynamical dangerous zones. <i>Mining Informational and Analytical Bulletin</i> , 2020 , 233-241	0.3	
27	Goaf gas drainage and its impact on coal oxidation behaviour: A conceptual model. <i>International Journal of Coal Geology</i> , 2021 , 248, 103878	5.5	5
26	3D Localization of Coal Fires Based on Self-Potential Data: Sandbox Experiments. <i>Pure and Applied Geophysics</i> , 1	2.2	
25	Bin Linyitlerinin Kendiliğinden Yanma Yatkınlıklarının Araştırılması. <i>Ekurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi</i> , 593-608		
24	Self-Heating Coal Waste Fire Monitoring and Related Environmental Problems: Case Studies from Poland and Ukraine. <i>Journal of Environmental Geography</i> , 2021 , 14, 26-38	0.7	0
23	The origin of GHG emission from self-heating coal waste dump: Atmogegeochemical interactions and environmental implications. <i>International Journal of Coal Geology</i> , 2022 , 250, 103912	5.5	0
22	Elaboration of a Phytoremediation Strategy for Successful and Sustainable Rehabilitation of Disturbed and Degraded Land. <i>Minerals (Basel, Switzerland)</i> , 2022 , 12, 111	2.4	1
21	The Effect of the Coal Industry on Indoor Radon Concentrations in eMalahleni, Mpumalanga Province of South Africa.. <i>Health Physics</i> , 2022 , 122,	2.3	0
20	Coal related fires in Portugal: New occurrences and new insights on the characterization of thermally affected and non-affected coal waste piles. <i>International Journal of Coal Geology</i> , 2022 , 252, 103941	5.5	0
19	Influence of biomass on multi-component reaction model and combustion products of coal gangue. <i>Combustion and Flame</i> , 2022 , 240, 111999	5.3	1
18	An automated water dispensing system for controlling fires in coal yards. <i>International Journal of Coal Science and Technology</i> , 2022 , 9, 1	4.5	0
17	High concentrations of HgS, MeHg and toxic gas emissions in thermally affected waste dumps from hard coal mining in Poland.. <i>Journal of Hazardous Materials</i> , 2022 , 431, 128542	12.8	
16	Behavior Characteristics of Hazardous Gas and Scattering Coal Dust in Coal Storage Sheds. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 11771	2.6	0
15	Division of coal spontaneous combustion stages and selection of indicator gases.. <i>PLoS ONE</i> , 2022 , 17, e0267479	3.7	1
14	A spatio-temporal temperature-based thresholding algorithm for underground coal fire detection with satellite thermal infrared and radar remote sensing. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2022 , 110, 102805		0
13	Adsorption and Desorption of Coal Gangue toward Available Phosphorus through Calcium-Modification with Different pH. <i>Minerals (Basel, Switzerland)</i> , 2022 , 12, 801	2.4	

- 12 Thermal degradation of cellulose and coal gangue based on lumped reaction model and principal component analysis. **2022**, 245, 112290 ○
- 11 A New Strategy for Identification of Coal Miners With Abnormal Physical Signs Based on EN-mRMR. 10, ○
- 10 A review on the mineralogical and chemical composition of nanoparticles associated with coal fires. ○
- 9 Mineralogy of the coal waste dumps from the Czech part of the Upper Silesian Basin: Emphasized role of halides for element mobility. **2022**, 104138 ○
- 8 Metal- and antibiotic-resistant heterotrophic plate count bacteria from a gold mine impacted river: the Mooi River system, South Africa. ○
- 7 Experimental study and molecular simulation of spontaneous combustion of coal gangue by oxidation under different water contents. 1-19 ○
- 6 Occurrence of Iron in the Minerals of Carboniferous Coal Gangue of the Pingshuo Open-pit Mine, North China. ○
- 5 Uncontrolled Coal Fires. **2023**, 355-367 ○
- 4 Mercury emission from underground coal fires: a typical case in China. ○
- 3 Study on the influence of key active groups on gas products in spontaneous combustion of coal. **2023**, 344, 128020 ○
- 2 Parent and alkylated polycyclic aromatic hydrocarbon emissions from coal seam fire at Wuda, Inner Mongolia, China: characteristics, spatial distribution, sources, and health risk assessment. ○
- 1 Combustion mechanism and control approaches of underground coal fires: a review. **2023**, 10, ○