James Hower

List of Publications by Year
in descending order

264 papers	18,146 citations	9786 73 h-index	16650 123 g-index
270 all docs	270 docs citations	270 times ranked	5474 citing authors

#	Article	IF	Citations
1	Geochemistry of trace elements in Chinese coals: A review of abundances, genetic types, impacts on human health, and industrial utilization. International Journal of Coal Geology, 2012, 94, 3-21.	5.0	863
2	Coal deposits as potential alternative sources for lanthanides and yttrium. International Journal of Coal Geology, 2012, 94, 67-93.	5.0	639
3	Coal as a promising source of critical elements: Progress and future prospects. International Journal of Coal Geology, 2018, 186, 155-164.	5.0	396
4	Mineralogy and geochemistry of boehmite-rich coals: New insights from the Haerwusu Surface Mine, Jungar Coalfield, Inner Mongolia, China. International Journal of Coal Geology, 2008, 74, 185-202.	5.0	362
5	A review of anomalous rare earth elements and yttrium in coal. International Journal of Coal Geology, 2016, 159, 82-95.	5.0	356
6	Mineralogy and geochemistry of the No. 6 Coal (Pennsylvanian) in the Junger Coalfield, Ordos Basin, China. International Journal of Coal Geology, 2006, 66, 253-270.	5.0	322
7	Abundances and distribution of minerals and elements in high-alumina coal fly ash from the Jungar Power Plant, Inner Mongolia, China. International Journal of Coal Geology, 2010, 81, 320-332.	5.0	292
8	Enrichment of Uâ€“Seâ€“Moâ€“Reâ€“V in coals preserved within marine carbonate successions: geochemical and mineralogical data from the Late Permian Guiding Coalfield, Guizhou, China. Mineralium Deposita, 2015, 50, 159-186.	4.1	287
9	Lanthanide, yttrium, and zirconium anomalies in the Fire Clay coal bed, Eastern Kentucky. International Journal of Coal Geology, 1999, 39, 141-153.	5.0	273
10	Concentration and distribution of elements in Late Permian coals from western Guizhou Province, China. International Journal of Coal Geology, 2005, 61, 119-137.	5.0	264
11	Coal deposits as promising sources of rare metals for alternative power and energy-efficient technologies. Applied Geochemistry, 2013, 31, 1-11.	3.0	261
12	Mineralogical and geochemical compositions of the coal in the Guanbanwusu Mine, Inner Mongolia, China: Further evidence for the existence of an Al (Ga and REE) ore deposit in the Jungar Coalfield. International Journal of Coal Geology, 2012, 98, 10-40.	5.0	252
13	Petrology, mineralogy, and geochemistry of the Ge-rich coal from the Wulantuga Ge ore deposit, Inner Mongolia, China: New data and genetic implications. International Journal of Coal Geology, 2012, 90-91, 72-99.	5.0	238
14	Recognition of peat depositional environments in coal: A review. International Journal of Coal Geology, 2020, 219, 103383.	5.0	237
15	Mercury capture by native fly ash carbons in coal-fired power plants. Progress in Energy and Combustion Science, 2010, 36, 510-529.	31.2	232
16	The importance of minerals in coal as the hosts of chemical elements: A review. International Journal of Coal Geology, 2019, 212, 103251.	5.0	232
17	Impact of coal properties on coal combustion by-product quality: examples from a Kentucky power plant. International Journal of Coal Geology, 2004, 59, 153-169.	5.0	227
18	Mineralogical and geochemical compositions of the Pennsylvanian coal in the Adaohai Mine, Daqingshan Coalfield, Inner Mongolia, China: Modes of occurrence and origin of diaspore, gorceixite, and ammonian illite. International Journal of Coal Geology, 2012, 94, 250-270.	5.0	221

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19	Mineralogy and geochemistry of a superhigh-organic-sulfur coal, Yanshan Coalfield, Yunnan, China: Evidence for a volcanic ash component and influence by submarine exhalation. Chemical Geology, 2008, 255, 182-194.	3.3	215
20	Trends in the Rare Earth Element Content of U.S.-Based Coal Combustion Fly Ashes. Environmental Science & Technology, 2016, 50, 5919-5926.	10.0	208
21	Origin of minerals and elements in the Late Permian coals, tonsteins, and host rocks of the Xinde Mine, Xuanwei, eastern Yunnan, China. International Journal of Coal Geology, 2014, 121, 53-78.	5.0	203
22	Mineralogical and geochemical anomalies of late Permian coals from the Fusui Coalfield, Guangxi Province, southern China: Influences of terrigenous materials and hydrothermal fluids. International Journal of Coal Geology, 2013, 105, 60-84.	5.0	200
23	Notes on Contributions to the Science of Rare Earth Element Enrichment in Coal and Coal Combustion Byproducts. Minerals (Basel, Switzerland), 2016, 6, 32.	2.0	195
24	Geochemical and mineralogical evidence for a coal-hosted uranium deposit in the Yili Basin, Xinjiang, northwestern China. Ore Geology Reviews, 2015, 70, 1-30.	2.7	189
25	Distribution, isotopic variation and origin of sulfur in coals in the Wuda coalfield, Inner Mongolia, China. International Journal of Coal Geology, 2002, 51, 237-250.	5.0	186
26	Distribution of rare earth elements in coal combustion fly ash, determined by SHRIMP-RG ion microprobe. International Journal of Coal Geology, 2017, 184, 1-10.	5.0	179
27	Enrichment of arsenic, antimony, mercury, and thallium in a Late Permian anthracite from Xingren, Guizhou, Southwest China. International Journal of Coal Geology, 2006, 66, 217-226.	5.0	172
28	Composition and modes of occurrence of minerals and elements in coal combustion products derived from high-Ge coals. International Journal of Coal Geology, 2014, 121, 79-97.	5.0	172
29	Valuable elements in Chinese coals: a review. International Geology Review, 2018, 60, 590-620.	2.1	170
30	Revisiting the late Permian coal from the Huayingshan, Sichuan, southwestern China: Enrichment and occurrence modes of minerals and trace elements. International Journal of Coal Geology, 2014, 122, 110-128.	5.0	160
31	Coal-derived unburned carbons in fly ash: A review. International Journal of Coal Geology, 2017, 179, 11-27.	5.0	158
32	Rare earth elements and yttrium in coal ash from the Luzhou power plant in Sichuan, Southwest China: Concentration, characterization and optimized extraction. International Journal of Coal Geology, 2019, 203, 1-14.	5.0	151
33	Distribution of rare earth elements in eastern Kentucky coals: Indicators of multiple modes of enrichment?. International Journal of Coal Geology, 2016, 160-161, 73-81.	5.0	149
34	Geochemistry of the late Permian No. 30 coal seam, Zhijin Coalfield of Southwest China: influence of a siliceous low-temperature hydrothermal fluid. Applied Geochemistry, 2004, 19, 1315-1330.	3.0	146
35	Altered volcanic ashes in coal and coal-bearing sequences: A review of their nature and significance. Earth-Science Reviews, 2017, 175, 44-74.	9.1	145
36	Metalliferous coal deposits in East Asia (Primorye of Russia and South China): A review of geodynamic controls and styles of mineralization. Gondwana Research, 2016, 29, 60-82.	6.0	144

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37	Elemental and mineralogical anomalies in the coal-hosted Ge ore deposit of Lincang, Yunnan, southwestern China: Key role of N2â€"CO2-mixed hydrothermal solutions. International Journal of Coal Geology, 2015, 152, 19-46.	5.0	142
38	Mineralogical and geochemical compositions of the Pennsylvanian coal in the Hailiushu Mine, Daqingshan Coalfield, Inner Mongolia, China: Implications of sediment-source region and acid hydrothermal solutions. International Journal of Coal Geology, 2015, 137, 92-110.	5.0	137
39	Determination of As and Se in coal and coal combustion products using closed vessel microwave digestion and collision/reaction cell technology (CCT) of inductively coupled plasma mass spectrometry (ICP-MS). International Journal of Coal Geology, 2014, 124, 1-4.	5.0	132
40	Petrology and geochemistry of the high-sulphur coals from the Upper Permian carbonate coal measures in the Heshan Coalfield, southern China. International Journal of Coal Geology, 2003, 55, 1-26.	5.0	130
41	Organic associations of non-mineral elements in coal: A review. International Journal of Coal Geology, 2020, 218, 103347.	5.0	128
42	Mineralogy and leaching characteristics of beneficiated coal products from Santa Catarina, Brazil. International Journal of Coal Geology, 2012, 94, 314-325.	5.0	124
43	Petrological, geochemical, and mineralogical compositions of the low-Ge coals from the Shengli Coalfield, China: A comparative study with Ge-rich coals and a formation model for coal-hosted Ge ore deposit. Ore Geology Reviews, 2015, 71, 318-349.	2.7	121
44	Geochemical and mineralogical anomalies of the late Permian coal in the Zhijin coalfield of southwest China and their volcanic origin. International Journal of Coal Geology, 2003, 55, 117-138.	5.0	119
45	A new type of Nb (Ta)â€"Zr(Hf)â€"REEâ€"Ga polymetallic deposit in the late Permian coal-bearing strata, eastern Yunnan, southwestern China: Possible economic significance and genetic implications. International Journal of Coal Geology, 2010, 83, 55-63.	5.0	118
46	The cause of endemic fluorosis in western Guizhou Province, Southwest China. Fuel, 2004, 83, 2095-2098.	6.4	117
47	Gaseous emissions and sublimates from the Truman Shepherd coal fire, Floyd County, Kentucky: A re-investigation following attempted mitigation of the fire. International Journal of Coal Geology, 2013, 116-117, 63-74.	5.0	115
48	Modes of occurrence of elements in coal: A critical evaluation. Earth-Science Reviews, 2021, 222, 103815.	9.1	115
49	A mineralogical and geochemical study of three Brazilian coal cleaning rejects: Demonstration of electron beam applications. International Journal of Coal Geology, 2014, 130, 33-52.	5.0	108
50	Elements and phosphorus minerals in the middle Jurassic inertinite-rich coals of the Muli Coalfield on the Tibetan Plateau. International Journal of Coal Geology, 2015, 144-145, 23-47.	5.0	105
51	Anomalies of rare metals in Lopingian super-high-organic-sulfur coals from the Yishan Coalfield, Guangxi, China. Ore Geology Reviews, 2017, 88, 235-250.	2.7	104
52	Aqueous acid and alkaline extraction of rare earth elements from coal combustion ash. International Journal of Coal Geology, 2018, 195, 75-83.	5.0	103
53	Effects of roasting additives and leaching parameters on the extraction of rare earth elements from coal fly ash. International Journal of Coal Geology, 2018, 196, 106-114.	5.0	103
54	Notes on the origin of inertinite macerals in coal: Evidence for fungal and arthropod transformations of degraded macerals. International Journal of Coal Geology, 2011, 86, 231-240.	5.0	99

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55	Prediction of coal grindability based on petrography, proximate and ultimate analysis using multiple regression and artificial neural network models. Fuel Processing Technology, 2008, 89, 13-20.	7.2	96
56	Nanominerals and ultrafine particles in sublimates from the Ruth Mullins coal fire, Perry County, Eastern Kentucky, USA. International Journal of Coal Geology, 2011, 85, 237-245.	5.0	96
57	Nanominerals and ultrafine particles from coal fires from Santa Catarina, South Brazil. International Journal of Coal Geology, 2014, 122, 50-60.	5.0	95
58	Clausthalite in coal. International Journal of Coal Geology, 2003, 53, 219-225.	5.0	94
59	Scanning proton microprobe analysis of mercury and other trace elements in Fe-sulfides from a Kentucky coal. International Journal of Coal Geology, 2008, 75, 88-92.	5.0	91
60	Geochemistry and nano-mineralogy of two medium-sulfur northeast Indian coals. International Journal of Coal Geology, 2014, 121, 26-34.	5.0	91
61	Geochemistry and nano-mineralogy of feed coals, mine overburden, and coal-derived fly ashes from Assam (North-east India): a multi-faceted analytical approach. International Journal of Coal Geology, 2015, 137, 19-37.	5.0	90
62	The occurrence of hazardous volatile elements and nanoparticles in Bulgarian coal fly ashes and the effect on human health exposure. Science of the Total Environment, 2012, 416, 513-526.	8.0	89
63	Selective Recovery of Rare Earth Elements from Coal Fly Ash Leachates Using Liquid Membrane Processes. Environmental Science & Technology, 2019, 53, 4490-4499.	10.0	88
64	Petrology, mineralogy, and chemistry of magnetically-separated sized fly ash. Fuel, 1999, 78, 197-203.	6.4	85
65	Geochemistry of the Pond Creek coal bed, Eastern Kentucky coalfield. International Journal of Coal Geology, 1989, 11, 205-226.	5.0	84
66	Petrographic examination of coal-combustion fly ash. International Journal of Coal Geology, 2012, 92, 90-97.	5.0	84
67	Characterization of fly ash from Kentucky power plants. Fuel, 1996, 75, 403-411.	6.4	82
68	Mercury Capture by Fly Ash:â€‰ Study of the Combustion of a High-Mercury Coal at a Utility Boiler. Energy & Fuels, 2000, 14, 727-733.	5.1	81
69	Determination of Eu concentrations in coal, fly ash and sedimentary rocks using a cation exchange resin and inductively coupled plasma mass spectrometry (ICP-MS). International Journal of Coal Geology, 2018, 191, 152-156.	5.0	80
70	Notes on the origin of inertinite macerals in coals: Observations on the importance of fungi in the origin of macrinite. International Journal of Coal Geology, 2009, 80, 135-143.	5.0	79
71	Observations and Assessment of Fly Ashes from High-Sulfur Bituminous Coals and Blends of High-Sulfur Bituminous and Subbituminous Coals: Environmental Processes Recorded at the Macro- and Nanometer Scale. Energy & Fuels, 2015, 29, 7168-7177.	5.1	79
72	Stone coal in China: a review. International Geology Review, 2018, 60, 736-753.	2.1	77

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73	Tracking mercury from the mine to the power plant: geochemistry of the Manchester coal bed, Clay County, Kentucky. International Journal of Coal Geology, 2004, 57, 127-141.	5.0	74
74	Geologic controls on thermal maturity patterns in Pennsylvanian coal-bearing rocks in the Appalachian basin. International Journal of Coal Geology, 2010, 81, 169-181.	5.0	73
75	Paleoecology of the Fire Clay coal bed in a portion of the Eastern Kentucky Coal Field. Palaeogeography, Palaeoclimatology, Palaeoecology, 1994, 106, 287-305.	2.3	71
76	Association of the Sites of Heavy Metals with Nanoscale Carbon in a Kentucky Electrostatic Precipitator Fly Ash. Environmental Science & Technology, 2008, 42, 8471-8477.	10.0	71
77	Naturally Occurring Radioactive Materials in Coals and Coal Combustion Residuals in the United States. Environmental Science & Technology, 2015, 49, 11227-11233.	10.0	71
78	Enrichment of germanium and associated arsenic and tungsten in coal and roll-front uranium deposits. Chemical Geology, 2017, 463, 29-49.	3.3	70
79	Origin of a kaolinite-NH 4 -illite-pyrophyllite-chlorite assemblage in a marine-influenced anthracite and associated strata from the Jincheng Coalfield, Qinshui Basin, Northern China. International Journal of Coal Geology, 2018, 185, 61-78.	5.0	70
80	Discovery of the superlarge gallium ore deposit in Jungar, Inner Mongolia, North China. Science Bulletin, 2006, 51, 2243-2252.	1.7	66
81	Nanoquartz in Late Permian C1 coal and the high incidence of female lung cancer in the Pearl River Origin area: a retrospective cohort study. BMC Public Health, 2008, 8, 398.	2.9	66
82	Novel Separation of the Differing Forms of Unburned Carbon Present in Fly Ash Using Density Gradient Centrifugation. Energy & Fuels, 1999, 13, 947-953.	5.1	64
83	A review of rare earth elements and yttrium in coal ash: Content, modes of occurrences, combustion behavior, and extraction methods. Progress in Energy and Combustion Science, 2022, 88, 100954.	31.2	64
84	Arsenic-bearing pyrite and marcasite in the Fire Clay coal bed, Middle Pennsylvanian Breathitt Formation, eastern Kentucky. International Journal of Coal Geology, 2005, 63, 27-35.	5.0	63
85	Controls on boron and germanium distribution in the low-sulfur Amos coal bed, Western Kentucky coalfield, USA. International Journal of Coal Geology, 2002, 53, 27-42.	5.0	62
86	Applied investigation on the interaction of hazardous elements binding on ultrafine and nanoparticles in Chinese anthracite-derived fly ash. Science of the Total Environment, 2012, 419, 250-264.	8.0	62
87	Frenolicins Câ€“G, Pyranonaphthoquinones from <i>Streptomyces</i> sp. RM-4-15. Journal of Natural Products, 2013, 76, 1441-1447.	3.0	62
88	Explaining relationships between coke quality index and coal properties by Random Forest method. Fuel, 2016, 182, 754-760.	6.4	62
89	A model for Nbâ€“Zrâ€“REEâ€“Ga enrichment in Lopingian altered alkaline volcanic ashes: Key evidence of H-O isotopes. Lithos, 2018, 302-303, 359-369.	1.4	61
90	Marine derived 87Sr/86Sr in coal, a new key to geochronology and palaeoenvironment: Elucidation of the India-Eurasia and China-Indochina collisions in Yunnan, China. International Journal of Coal Geology, 2019, 215, 103304.	5.0	60

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91	Studies of the relationship between coal petrology and grinding properties. International Journal of Coal Geology, 2003, 54, 253-260.	5.0	59
92	Geochemistry of carbon nanotube assemblages in coal fire soot, Ruth Mullins fire, Perry County, Kentucky. International Journal of Coal Geology, 2012, 94, 206-213.	5.0	59
93	An investigation of Wulantuga coal (Cretaceous, Inner Mongolia) macerals: Paleopathology of faunal and fungal invasions into wood and the recognizable clues for their activity. International Journal of Coal Geology, 2013, 114, 44-53.	5.0	57
94	Modes of occurrence and origin of mineral matter in the Palaeogene coal (No. 19-2) from the Hunchun Coalfield, Jilin Province, China. International Journal of Coal Geology, 2018, 189, 94-110.	5.0	57
95	Notes on the Potential for the Concentration of Rare Earth Elements and Yttrium in Coal Combustion Fly Ash. Minerals (Basel, Switzerland), 2015, 5, 356-366.	2.0	54
96	Determination of Chemical Speciation of Arsenic and Selenium in High-As Coal Combustion Ash by X-ray Photoelectron Spectroscopy: Examples from a Kentucky Stoker Ash. ACS Omega, 2018, 3, 17637-17645.	3.5	53
97	Mississippian anthracites in Guangxi Province, southern China: Petrological, mineralogical, and rare earth element evidence for high-temperature solutions. International Journal of Coal Geology, 2018, 197, 84-114.	5.0	53
98	Rare earth minerals in a â€œno tonsteinâ€• section of the Dean (Fire Clay) coal, Knox County, Kentucky. International Journal of Coal Geology, 2018, 193, 73-86.	5.0	52
99	Enrichment origin of critical elements (Li and rare earth elements) and a Mo-U-Se-Re assemblage in Pennsylvanian anthracite from the Jincheng Coalfield, southeastern Qinshui Basin, northern China. Ore Geology Reviews, 2019, 115, 103184.	2.7	52
100	Environmental evaluation and nano-mineralogical study of fresh and unsaturated weathered coal fly ashes. Science of the Total Environment, 2019, 663, 177-188.	8.0	51
101	Mineralogy and geochemistry of coal wastes from the Starzykowiec coal-waste dump (Upper Silesia,) Tj ETQq1 1 0.784314 rgBT /Overlo	5.0	50
102	Influence of microlithotype composition on hardgrove grindability for selected eastern Kentucky coals. International Journal of Coal Geology, 1987, 7, 227-244.	5.0	49
103	Arsenic and Mercury Partitioning in Fly Ash at a Kentucky Power Plant. Energy & Fuels, 2003, 17, 1028-1033.	5.1	48
104	Emission and transformation behavior of minerals and hazardous trace elements (HTEs) during coal combustion in a circulating fluidized bed boiler. Environmental Pollution, 2018, 242, 1950-1960.	7.5	48
105	Explaining relationships among various coal analyses with coal grindability index by Random Forest. International Journal of Mineral Processing, 2016, 155, 140-146.	2.6	47
106	Feasibility study of preparation of carbon quantum dots from Pennsylvania anthracite and Kentucky bituminous coals. Fuel, 2019, 243, 433-440.	6.4	47
107	Leaching behavior of trace elements from fly ashes of five Chinese coal power plants. International Journal of Coal Geology, 2020, 219, 103381.	5.0	46
108	Evidence for multiple sources for inorganic components in the Tucheng coal deposit, western Guizhou, China and the lack of critical-elements. International Journal of Coal Geology, 2020, 223, 103468.	5.0	46

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109	Old Smokey coal fire, Floyd County, Kentucky: Estimates of gaseous emission rates. International Journal of Coal Geology, 2011, 87, 150-156.	5.0	45
110	Spoxazomicin D and Oxachelin C, Potent Neuroprotective Carboxamides from the Appalachian Coal Fire-Associated Isolate <i>Streptomyces</i> sp. RM-14-6. Journal of Natural Products, 2017, 80, 2-11.	3.0	45
111	Studies of relationship between petrography and elemental analysis with grindability for Kentucky coals. Fuel, 2008, 87, 707-713.	6.4	44
112	Discovery and ramifications of incidental MagnÃ©li phase generation and release from industrial coal-burning. Nature Communications, 2017, 8, 194.	12.8	44
113	Changes in the quality of coal combustion by-products produced by Kentucky power plants, 1978 to 1997: consequences of Clean Air Act directives. Fuel, 1999, 78, 701-712.	6.4	43
114	Rare Earth Element Distribution in Fly Ash Derived from the Fire Clay Coal, Kentucky. Coal Combustion and Gasification Products, 2017, 9, 22-33.	1.0	43
115	An Approach Toward a Combined Scheme for the Petrographic Classification of Fly Ash:â€‰ Revision and Clarification. Energy & Fuels, 2005, 19, 653-655.	5.1	42
116	Petrography and geochemistry of Oligocene bituminous coal from the Jiu Valley, PetroÅŸani basin (southern Carpathian Mountains), Romania. International Journal of Coal Geology, 2010, 82, 68-80.	5.0	42
117	Petrographic, geochemical, and mycological aspects of Miocene coals from the NovÃ¡ky and HandlovÃ¡ mining districts, Slovakia. International Journal of Coal Geology, 2011, 87, 268-281.	5.0	42
118	Notes on the origin of inertinite macerals in coals: Funginite associations with cutinite and suberinite. International Journal of Coal Geology, 2011, 85, 186-190.	5.0	42
119	Terfestatins B and C, New <i>p</i>-Terphenyl Glycosides Produced by <i>Streptomyces</i> sp. RM-5â€“8. Organic Letters, 2015, 17, 2796-2799.	4.6	42
120	Revisiting Coos Bay, Oregon: A re-examination of funginiteâ€“huminite relationships in Eocene subbituminous coals. International Journal of Coal Geology, 2011, 85, 34-42.	5.0	41
121	Naturally Occurring Radioactive Materials in Uranium-Rich Coals and Associated Coal Combustion Residues from China. Environmental Science & Technology, 2017, 51, 13487-13493.	10.0	41
122	Rare earth element associations in the Kentucky State University stoker ash. International Journal of Coal Geology, 2018, 189, 75-82.	5.0	41
123	Studies of the relationship between petrography and grindability for Kentucky coals using artificial neural network. International Journal of Coal Geology, 2008, 73, 130-138.	5.0	40
124	Petrographic and Geochemical Anatomy of Lithotypes from the Blue Gem Coal Bed, Southeastern Kentucky. Energy & Fuels, 1994, 8, 719-728.	5.1	39
125	Funginiteâ€“resinite associations in coal. International Journal of Coal Geology, 2010, 83, 64-72.	5.0	39
126	Vanadium and Nickel Speciation in Pulverized Coal and Petroleum Coke Co-combustion. Energy & Fuels, 2013, 27, 1194-1203.	5.1	39

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127	Mineralogy and geochemistry of ash and slag from coal gasification in China: a review. International Geology Review, 2018, 60, 717-735.	2.1	39
128	Coal geology in China: an overview. International Geology Review, 2018, 60, 531-534.	2.1	39
129	Modes of occurrence of non-mineral inorganic elements in lignites from the Mile Basin, Yunnan Province, China. Fuel, 2018, 222, 146-155.	6.4	39
130	Coal combustion by-product quality at two stoker boilers: Coal source vs. fly ash collection system design. International Journal of Coal Geology, 2008, 75, 248-254.	5.0	38
131	Herbimycins Dâ€"F, Ansamycin Analogues from <i>Streptomyce</i>s sp. RM-7-15. Journal of Natural Products, 2013, 76, 1619-1626.	3.0	37
132	Geochemical partitioning from pulverized coal to fly ash and bottom ash. Fuel, 2020, 279, 118542.	6.4	37
133	Brecciated and mineralized coals in Union County, Western Kentucky coal field. International Journal of Coal Geology, 2001, 47, 223-234.	5.0	36
134	Studies of relationships between Free Swelling Index (FSI) and coal quality by regression and Adaptive Neuro Fuzzy Inference System. International Journal of Coal Geology, 2011, 85, 65-71.	5.0	36
135	A comparative study on the mineralogy, chemical speciation, and combustion behavior of toxic elements of coal beneficiation products. Fuel, 2018, 228, 297-308.	6.4	36
136	Notes on the mechanisms of coal metamorphism in the Pennsylvania Anthracite Fields. International Journal of Coal Geology, 2019, 202, 161-170.	5.0	36
137	Estimation of free-swelling index based on coal analysis using multivariable regression and artificial neural network. Fuel Processing Technology, 2011, 92, 349-355.	7.2	35
138	Size-Dependent Variations in Fly Ash Trace Element Chemistry: Examples from a Kentucky Power Plant and with Emphasis on Rare Earth Elements. Energy & Fuels, 2017, 31, 438-447.	5.1	35
139	Ranking Coal Ash Materials for Their Potential to Leach Arsenic and Selenium: Relative Importance of Ash Chemistry and Site Biogeochemistry. Environmental Engineering Science, 2018, 35, 728-738.	1.6	35
140	The occurrence of gold in fly ash derived from high-Ge coal. Mineralium Deposita, 2014, 49, 1-6.	4.1	34
141	Clay Mineralogy of Coal-Hosted Nb-Zr-REE-Ga Mineralized Beds from Late Permian Strata, Eastern Yunnan, SW China: Implications for Paleotemperature and Origin of the Micro-Quartz. Minerals (Basel, Switzerland), 2016, 6, 45.	2.0	34
142	Leaching characteristics of alkaline coal combustion by-products: A case study from a coal-fired power plant, Hebei Province, China. Fuel, 2019, 255, 115710.	6.4	34
143	Geochemistry of the blue gem coal bed, Knox county, Kentucky. International Journal of Coal Geology, 1991, 18, 211-231.	5.0	33
144	Study Relationship between Inorganic and Organic Coal Analysis with Gross Calorific Value by Multiple Regression and ANFIS. International Journal of Coal Preparation and Utilization, 2011, 31, 9-19.	2.1	33

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145	Macrinite forms in Pennsylvanian coals. International Journal of Coal Geology, 2013, 116-117, 172-181.	5.0	33
146	Venturicidin C, a new 20-membered macrolide produced by Streptomyces sp. TS-2-2. Journal of Antibiotics, 2014, 67, 223-230.	2.0	33
147	Mineralogy and Leaching Characteristics of Coal Ash from a Major Brazilian Power Plant. Coal Combustion and Gasification Products, 2010, 2, 51-65.	1.0	33
148	Appalachian anthracites. Organic Geochemistry, 1993, 20, 619-642.	1.8	32
149	Bi- and Tetracyclic Spirotetronates from the Coal Mine Fire Isolate <i>Streptomyces</i> sp. LC-6-2. Journal of Natural Products, 2017, 80, 1141-1149.	3.0	32
150	Distribution of Lanthanides, Yttrium, and Scandium in the Pilot-Scale Beneficiation of Fly Ashes Derived from Eastern Kentucky Coals. Minerals (Basel, Switzerland), 2020, 10, 105.	2.0	32
151	Volcanic emissions and atmospheric pollution: A study of nanoparticles. Geoscience Frontiers, 2021, 12, 746-755.	8.4	32
152	Ragged edge of the Herrin (No. 11) coal, Western Kentucky. International Journal of Coal Geology, 1987, 7, 1-20.	5.0	31
153	Mullinamides A and B, new cyclopeptides produced by the Ruth Mullins coal mine fire isolate Streptomyces sp. RM-27-46. Journal of Antibiotics, 2014, 67, 571-575.	2.0	31
154	Mccrearamycins Aâ€“D, Geldanamycinâ€Derived Cyclopentenone Macrolactams from an Eastern Kentucky Abandoned Coal Mine Microbe. Angewandte Chemie - International Edition, 2017, 56, 2994-2998.	13.8	31
155	The investigation of chemical structure of coal macerals via transmitted-light FT-IR microscopy by X. Sun. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 67, 1433-1437.	3.9	30
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