James C Hower

List of Publications by Year
in descending order

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202 papers	11,845 citations	19636 61 h-index	33869 99 g-index
204 all docs	204 docs citations	204 times ranked	3796 citing authors

#	Article	IF	Citations
1	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.	1.7	287
2	Lanthanide, yttrium, and zirconium anomalies in the Fire Clay coal bed, Eastern Kentucky. International Journal of Coal Geology, 1999, 39, 141-153.	1.9	273
3	Chemical and mineralogical compositions of silicic, mafic, and alkali tonsteins in the late Permian coals from the Songzao Coalfield, Chongqing, Southwest China. Chemical Geology, 2011, 282, 29-44.	1.4	258
4	On the fundamental difference between coal rank and coal type. International Journal of Coal Geology, 2013, 118, 58-87.	1.9	258
5	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.	1.9	238
6	Recognition of peat depositional environments in coal: A review. International Journal of Coal Geology, 2020, 219, 103383.	1.9	237
7	Mercury capture by native fly ash carbons in coal-fired power plants. Progress in Energy and Combustion Science, 2010, 36, 510-529.	15.8	232
8	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.	1.9	227
9	Trends in the Rare Earth Element Content of U.S.-Based Coal Combustion Fly Ashes. Environmental Science & Technology, 2016, 50, 5919-5926.	4.6	208
10	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.	1.9	203
11	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.	1.9	200
12	Notes on Contributions to the Science of Rare Earth Element Enrichment in Coal and Coal Combustion Byproducts. Minerals (Basel, Switzerland), 2016, 6, 32.	0.8	195
13	Geochemical and mineralogical evidence for a coal-hosted uranium deposit in the Yili Basin, Xinjiang, northwestern China. Ore Geology Reviews, 2015, 70, 1-30.	1.1	189
14	Enrichment of U-Re-V-Cr-Se and rare earth elements in the Late Permian coals of the Moxinpo Coalfield, Chongqing, China: Genetic implications from geochemical and mineralogical data. Ore Geology Reviews, 2017, 80, 1-17.	1.1	188
15	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.	1.9	179
16	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.	1.9	172
17	Valuable elements in Chinese coals: a review. International Geology Review, 2018, 60, 590-620.	1.1	170
18	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.	1.9	160

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19	Coal-derived unburned carbons in fly ash: A review. International Journal of Coal Geology, 2017, 179, 11-27.	1.9	158
20	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.	1.9	149
21	Altered volcanic ashes in coal and coal-bearing sequences: A review of their nature and significance. Earth-Science Reviews, 2017, 175, 44-74.	4.0	145
22	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.	3.0	144
23	Factors controlling geochemical and mineralogical compositions of coals preserved within marine carbonate successions: A case study from the Heshan Coalfield, southern China. International Journal of Coal Geology, 2013, 109-110, 77-100.	1.9	143
24	Mineralogical and geochemical compositions of Late Permian coals and host rocks from the Guxu Coalfield, Sichuan Province, China, with emphasis on enrichment of rare metals. International Journal of Coal Geology, 2016, 166, 71-95.	1.9	143
25	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.	1.9	142
26	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.	1.9	137
27	Organic associations of non-mineral elements in coal: A review. International Journal of Coal Geology, 2020, 218, 103347.	1.9	128
28	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.	1.1	121
29	Petrology, Mineralogy, and Chemistry of Size-Fractioned Fly Ash from the Jungar Power Plant, Inner Mongolia, China, with Emphasis on the Distribution of Rare Earth Elements. Energy & Fuels, 2014, 28, 1502-1514.	2.5	119
30	Modes of occurrence of elements in coal: A critical evaluation. Earth-Science Reviews, 2021, 222, 103815.	4.0	115
31	Mercury Capture by Distinct Fly Ash Carbon Forms. Energy & Fuels, 2000, 14, 224-226.	2.5	114
32	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.	1.9	108
33	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.	1.9	105
34	Aqueous acid and alkaline extraction of rare earth elements from coal combustion ash. International Journal of Coal Geology, 2018, 195, 75-83.	1.9	103
35	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.	1.9	103
36	Mechanisms of coal metamorphism: case studies from Paleozoic coalfields. International Journal of Coal Geology, 2002, 50, 215-245.	1.9	100

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37	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.	1.9	99
38	An examination of fly ash carbon and its interactions with air entraining agent. Cement and Concrete Research, 1997, 27, 193-204.	4.6	94
39	Clausthalite in coal. International Journal of Coal Geology, 2003, 53, 219-225.	1.9	94
40	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.	1.9	91
41	Geochemistry and nano-mineralogy of two medium-sulfur northeast Indian coals. International Journal of Coal Geology, 2014, 121, 26-34.	1.9	91
42	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.	1.9	90
43	Geochemistry of ultra-fine and nano-compounds in coal gasification ashes: A synoptic view. Science of the Total Environment, 2013, 456-457, 95-103.	3.9	88
44	Selective Recovery of Rare Earth Elements from Coal Fly Ash Leachates Using Liquid Membrane Processes. Environmental Science & Technology, 2019, 53, 4490-4499.	4.6	88
45	Anatomy of an intruded coal, I: Effect of contact metamorphism on whole-coal geochemistry, Springfield (No. 5) (Pennsylvanian) coal, Illinois Basin. International Journal of Coal Geology, 2009, 79, 74-82.	1.9	87
46	Geochemistry of the Pond Creek coal bed, Eastern Kentucky coalfield. International Journal of Coal Geology, 1989, 11, 205-226.	1.9	84
47	Petrographic examination of coal-combustion fly ash. International Journal of Coal Geology, 2012, 92, 90-97.	1.9	84
48	Characterization of fly ash from Kentucky power plants. Fuel, 1996, 75, 403-411.	3.4	82
49	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.	2.5	81
50	Cryptic sediment-hosted critical element mineralization from eastern Yunnan Province, southwestern China: Mineralogy, geochemistry, relationship to Emeishan alkaline magmatism and possible origin. Ore Geology Reviews, 2017, 80, 116-140.	1.1	80
51	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.	1.9	79
52	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.	2.5	79
53	From in-situ coal to fly ash: a study of coal mines and power plants from Indiana. International Journal of Coal Geology, 2004, 59, 171-192.	1.9	78
54	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.	1.9	74

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55	Geologic controls on thermal maturity patterns in Pennsylvanian coal-bearing rocks in the Appalachian basin. International Journal of Coal Geology, 2010, 81, 169-181.	1.9	73
56	Paleoecology of the Fire Clay coal bed in a portion of the Eastern Kentucky Coal Field. Palaeogeography, Palaeoclimatology, Palaeoecology, 1994, 106, 287-305.	1.0	71
57	Association of the Sites of Heavy Metals with Nanoscale Carbon in a Kentucky Electrostatic Precipitator Fly Ash. Environmental Science & Technology, 2008, 42, 8471-8477.	4.6	71
58	Influence of maceral content on Î´13C and Î´15N in a Middle Pennsylvanian coal. Chemical Geology, 2006, 225, 77-90.	1.4	67
59	Quantitative 13C NMR study of structural variations within the vitrinite and inertinite maceral groups for a semifusinite-rich bituminous coal. Fuel, 1998, 77, 805-813.	3.4	64
60	Novel Separation of the Differing Forms of Unburned Carbon Present in Fly Ash Using Density Gradient Centrifugation. Energy & Fuels, 1999, 13, 947-953.	2.5	64
61	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.	15.8	64
62	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.	1.9	63
63	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.	1.9	62
64	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.	3.9	62
65	Dry triboelectrostatic beneficiation of fly ash. Fuel, 1997, 76, 801-805.	3.4	61
66	Geochemistry and petrology of selected coal samples from Sumatra, Kalimantan, Sulawesi, and Papua, Indonesia. International Journal of Coal Geology, 2009, 77, 260-268.	1.9	61
67	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.	0.6	61
68	Geochemistry of carbon nanotube assemblages in coal fire soot, Ruth Mullins fire, Perry County, Kentucky. International Journal of Coal Geology, 2012, 94, 206-213.	1.9	59
69	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.	1.9	57
70	An Approach toward a Combined Scheme for the Petrographic Classification of Fly Ash. Energy & Fuels, 2001, 15, 1319-1321.	2.5	54
71	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.	0.8	54
72	Vitrinite reflectance anisotropy as a tectonic fabric element. Geology, 1981, 9, 165.	2.0	53

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73	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.	1.6	53
74	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.	1.9	53
75	Arsenic and lead concentrations in the Pond Creek and Fire Clay coal beds, eastern Kentucky coal field. Applied Geochemistry, 1997, 12, 281-289.	1.4	52
76	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.	1.9	52
77	Environmental evaluation and nano-mineralogical study of fresh and unsaturated weathered coal fly ashes. Science of the Total Environment, 2019, 663, 177-188.	3.9	51
78	Arsenic and Mercury Partitioning in Fly Ash at a Kentucky Power Plant. Energy & Fuels, 2003, 17, 1028-1033.	2.5	48
79	Classification of carbon in Canadian fly ashes and their implications in the capture of mercury. Fuel, 2008, 87, 1949-1957.	3.4	48
80	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.	3.7	48
81	Intra- and Inter-unit Variation in Fly Ash Petrography and Mercury Adsorption:â€‰ Examples from a Western Kentucky Power Station. Energy & Fuels, 2000, 14, 212-216.	2.5	47
82	Boron and Strontium Isotopic Characterization of Coal Combustion Residuals: Validation of New Environmental Tracers. Environmental Science & Technology, 2014, 48, 14790-14798.	4.6	47
83	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.	1.9	46
84	Determination of Boron in Coal Using Closed-Vessel Microwave Digestion and Inductively Coupled Plasma Mass Spectrometry (ICP-MS). Energy & Fuels, 2014, 28, 4517-4522.	2.5	43
85	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
86	An Approach Toward a Combined Scheme for the Petrographic Classification of Fly Ash:â€‰ Revision and Clarification. Energy & Fuels, 2005, 19, 653-655.	2.5	42
87	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.	1.9	42
88	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.	1.9	42
89	Notes on the origin of inertinite macerals in coals: Funginite associations with cutinite and suberinite. International Journal of Coal Geology, 2011, 85, 186-190.	1.9	42
90	Mercury capture by selected Bulgarian fly ashes: Influence of coal rank and fly ash carbon pore structure on capture efficiency. Applied Geochemistry, 2011, 26, 18-27.	1.4	41

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91	Revisiting Coos Bay, Oregon: A re-examination of funginiteâ€"huminite relationships in Eocene subbituminous coals. International Journal of Coal Geology, 2011, 85, 34-42.	1.9	41
92	Rare earth element associations in the Kentucky State University stoker ash. International Journal of Coal Geology, 2018, 189, 75-82.	1.9	41
93	Petrographic and Geochemical Anatomy of Lithotypes from the Blue Gem Coal Bed, Southeastern Kentucky. Energy & Fuels, 1994, 8, 719-728.	2.5	39
94	Funginiteâ€"resinite associations in coal. International Journal of Coal Geology, 2010, 83, 64-72.	1.9	39
95	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.	1.9	38
96	Influence of surface area properties on mercury capture behaviour of coal fly ashes from some Bulgarian power plants. International Journal of Coal Geology, 2013, 116-117, 227-235.	1.9	38
97	Geochemical partitioning from pulverized coal to fly ash and bottom ash. Fuel, 2020, 279, 118542.	3.4	37
98	Case study of the conversion of tangential- and wall-fired units to low-NOx combustion: Impact on fly ash quality. Waste Management, 1998, 17, 219-229.	3.7	36
99	Maceral/ microlithotype partitioning with particle size of pulverized coal: Examples from power plants burning Central Appalachian and Illinois basin coals. International Journal of Coal Geology, 2008, 73, 213-218.	1.9	36
100	A comparative study on the mineralogy, chemical speciation, and combustion behavior of toxic elements of coal beneficiation products. Fuel, 2018, 228, 297-308.	3.4	36
101	Mercury in Eastern Kentucky coals: Geologic aspects and possible reduction strategies. International Journal of Coal Geology, 2005, 62, 223-236.	1.9	35
102	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.	2.5	35
103	Impact of co-combustion of petroleum coke and coal on fly ash quality: Case study of a Western Kentucky power plant. Applied Geochemistry, 2005, 20, 1309-1319.	1.4	34
104	Fossil wood from the middle Cretaceous Moreno Hill Formation: Unique expressions of wood mineralization and implications for the processes of wood preservation. International Journal of Coal Geology, 2009, 79, 1-17.	1.9	34
105	Petrology and chemistry of sized Pennsylvania anthracite, with emphasis on the distribution of rare earth elements. Fuel, 2016, 185, 305-315.	3.4	34
106	Leaching characteristics of alkaline coal combustion by-products: A case study from a coal-fired power plant, Hebei Province, China. Fuel, 2019, 255, 115710.	3.4	34
107	Macrinite forms in Pennsylvanian coals. International Journal of Coal Geology, 2013, 116-117, 172-181.	1.9	33
108	Appalachian anthracites. Organic Geochemistry, 1993, 20, 619-642.	0.9	32

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109	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.	0.8	32
110	Impact of the conversion to low-NOx combustion on ash characteristics in a utility boiler burning Western US coal. Fuel Processing Technology, 1999, 61, 175-195.	3.7	31
111	Geochemistry, petrology, and palynology of the Pond Creek coal bed, northern Pike and southern Martin counties, Kentucky. International Journal of Coal Geology, 2005, 62, 167-181.	1.9	31
112	Petrology and minor element chemistry of combustion by-products from the co-combustion of coal, tire-derived fuel, and petroleum coke at a western Kentucky cyclone-fired unit. Fuel Processing Technology, 2001, 74, 125-142.	3.7	30
113	Sulfur and carbon isotope geochemistry of coal and derived coal-combustion by-products: An example from an Eastern Kentucky mine and power plant. Applied Geochemistry, 2007, 22, 2065-2077.	1.4	30
114	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.	2.0	30
115	A critical re-examination of the petrology of the No. 5 Block coal in eastern Kentucky with special attention to the origin of inertinite macerals in the splint lithotypes. International Journal of Coal Geology, 2012, 98, 41-49.	1.9	30
116	Coal rank trends in the Central Appalachian coalfield: Virginia, West Virginia, and Kentucky. Organic Geochemistry, 1991, 17, 161-173.	0.9	29
117	Trace element geochemistry and surface water chemistry of the Bon Air coal, Franklin County, Cumberland Plateau, southeast Tennessee. International Journal of Coal Geology, 2006, 67, 47-78.	1.9	29
118	A multidisciplinary study and palaeoenvironmental interpretation of middle Miocene Keles lignite (HarmancÄ±k Basin, NW Turkey), with emphasis on syngenetic zeolite formation. International Journal of Coal Geology, 2021, 237, 103691.	1.9	29
119	Geological factors controlling variations in the mineralogical and elemental compositions of Late Permian coals from the Zhijin-Nayong Coalfield, western Guizhou, China. International Journal of Coal Geology, 2021, 247, 103855.	1.9	29
120	Mineralogy and geochemistry of the Late Triassic coal from the Caotang mine, northeastern Sichuan Basin, China, with emphasis on the enrichment of the critical element lithium. Ore Geology Reviews, 2021, 139, 104582.	1.1	29
121	Petrology of the River Gem coal bed, Whitley County, Kentucky. International Journal of Coal Geology, 1989, 11, 227-245.	1.9	28
122	Occurrence of carbon nanotubes and implication for the siting of elements in selected anthracites. Fuel, 2020, 263, 116740.	3.4	28
123	Ponded and Landfilled Fly Ash as a Source of Rare Earth Elements from a Kentucky Power Plant. Coal Combustion and Gasification Products, 2017, 9, 1-21.	1.0	28
124	Lithium and redox-sensitive (Ge, U, Mo, V) element mineralization in the Pennsylvanian coals from the Huangtupo coalfield, Shanxi, northern China: With emphasis on the interaction of infiltrating seawater and exfiltrating groundwater. Fuel, 2021, 300, 120948.	3.4	27
125	Paleoecology of the Springfield Coal Member (Desmoinesian, Illinois Basin) near the Leslie Cemetery paleochannel, southwestern Indiana. International Journal of Coal Geology, 1995, 27, 59-98.	1.9	26
126	Temporal and spatial variations in fly ash quality. Fuel Processing Technology, 2001, 73, 37-58.	3.7	26

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127	Mercury content of the Springfield coal, Indiana and Kentucky. International Journal of Coal Geology, 2005, 63, 205-227.	1.9	26
128	Differences in bulk and microscale yttrium speciation in coal combustion fly ash. Environmental Sciences: Processes and Impacts, 2018, 20, 1390-1403.	1.7	26
129	Characterization of superhigh-organic-sulfur RaÅ¡a coal, Istria, Croatia, and its environmental implication. International Journal of Coal Geology, 2020, 217, 103344.	1.9	26
130	Lithologic and geochemical investigations of the Fire Clay coal bed, southeastern Kentucky, in the vicinity of sandstone washouts. International Journal of Coal Geology, 1994, 26, 95-115.	1.9	24
131	Major and Minor Element Distribution in Fly Ash from a Coal-Fired Utility Boiler in Kentucky. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2006, 28, 79-95.	1.2	24
132	Splint coals of the Central Appalachians: Petrographic and geochemical facies of the Peach Orchard No. 3 split coal bed, southern Magoffin County, Kentucky. International Journal of Coal Geology, 2011, 85, 268-275.	1.9	24
133	Submicron-scale mineralogy of lithotypes and the implications for trace element associations: Blue Gem coal, Knox County, Kentucky. International Journal of Coal Geology, 2018, 192, 73-82.	1.9	24
134	Macrinite and funginite forms in Cretaceous Menefee Formation anthracite, Cerrillos coalfield, New Mexico. International Journal of Coal Geology, 2013, 114, 54-59.	1.9	23
135	Bio-geochemical evolution and critical element mineralization in the Cretaceous-Cenozoic coals from the southern Far East Russia and northeastern China. Applied Geochemistry, 2020, 117, 104602.	1.4	23
136	The key roles of Fe-bearing minerals on arsenic capture and speciation transformation during high-As bituminous coal combustion: Experimental and theoretical investigations. Journal of Hazardous Materials, 2021, 415, 125610.	6.5	23
137	Palynologic, petrographic and geochemical characteristics of the Manchester coal bed in Eastern Kentucky. International Journal of Coal Geology, 1995, 27, 249-278.	1.9	22
138	Aspects of rare earth element enrichment in Central Appalachian coals. Applied Geochemistry, 2020, 120, 104676.	1.4	22
139	Nano-Scale Rare Earth Distribution in Fly Ash Derived from the Combustion of the Fire Clay Coal, Kentucky. Minerals (Basel, Switzerland), 2019, 9, 206.	0.8	21
140	Mineralogy of a rare earth element-rich Manchester coal lithotype, Clay County, Kentucky. International Journal of Coal Geology, 2020, 220, 103413.	1.9	21
141	Nitrogen isotopic compositions in NH4+-mineral-bearing coal: Origin and isotope fractionation. Chemical Geology, 2021, 559, 119946.	1.4	21
142	Stable isotopes of organic carbon, palynology, and petrography of a thick low-rank Miocene coal within the Mile Basin, Yunnan Province, China: implications for palaeoclimate and sedimentary conditions. Organic Geochemistry, 2020, 149, 104103.	0.9	20
143	Implications of Thermal Events on Thrust Emplacement Sequence in the Appalachian Fold and Thrust Belt: Some New Vitrinite Reflectance Data. Journal of Geology, 1990, 98, 927-942.	0.7	19
144	Distribution of rare earth elements in fly ash derived from the combustion of Illinois Basin coals. Fuel, 2021, 289, 119990.	3.4	19

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145	Cannel coals: implications for classification and terminology. International Journal of Coal Geology, 1999, 41, 157-188.	1.9	18
146	Thermal stability of mercury captured by ash. Fuel, 2006, 85, 2509-2515.	3.4	18
147	Rare Earth-bearing particles in fly ash carbons: Examples from the combustion of eastern Kentucky coals. Energy Geoscience, 2021, 2, 90-98.	1.3	18
148	Distribution of rare earth elements in the pilot-scale processing of fly ashes derived from eastern Kentucky coals: Comparisons of the feed and processed ashes. Fuel, 2021, 295, 120562.	3.4	18
149	Geochemical characteristics and paleoclimate implication of Middle Jurassic coal in the Ordos Basin, China. Ore Geology Reviews, 2022, 144, 104848.	1.1	18
150	Intrinsic characteristics of coal combustion residues and their environmental impacts: A case study for Bangladesh. Fuel, 2022, 324, 124711.	3.4	18
151	Maceral types in some Permian southern African coals. International Journal of Coal Geology, 2012, 100, 93-107.	1.9	17
152	Petrological and biological studies on some fly and bottom ashes collected at different times from an Indian coal-based captive power plant. Fuel, 2015, 158, 572-581.	3.4	17
153	Mineralogy, geochemistry and mercury content characterization of fly ashes from the Maritza 3 and Varna thermoelectric power plants, Bulgaria. Fuel, 2016, 186, 674-684.	3.4	17
154	Impact of coal source changes on mercury content in fly ash: Examples from a Kentucky power plant. International Journal of Coal Geology, 2017, 170, 2-6.	1.9	17
155	Geochemistry and Nanomineralogy of Feed Coals and Their Coal Combustion Residues from Two Different Coal-Based Industries in Northeast India. Energy & Fuels, 2018, 32, 3697-3708.	2.5	17
156	Mineralogy and geochemistry of the Palaeogene low-rank coal from the Baise Coalfield, Guangxi Province, China. International Journal of Coal Geology, 2019, 214, 103282.	1.9	17
157	Vickers microhardness of telovitrinite and pseudovitrinite from high volatile bituminous Kentucky coals. International Journal of Coal Geology, 2008, 75, 76-80.	1.9	16
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159	Distribution of rare earth elements and other critical elements in beneficiated Pennsylvania anthracites. Fuel, 2021, 304, 121400.	3.4	16
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