

James Hower

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

264
papers

13,776
citations

67
h-index

108
g-index

270
ext. papers

15,840
ext. citations

5.6
avg, IF

6.93
L-index

#	Paper	IF	Citations
264	Aspects of rare earth element enrichment in Allegheny Plateau coals, Pennsylvania, USA. <i>Applied Geochemistry</i> , 2022 , 136, 105150	3.5	1
263	Origin of the tuff parting and associated enrichments of Zr, REY, redox-sensitive and other elements in the Early Miocene coal of the Siniy Utyes Basin, southwestern Primorye, Russia. <i>International Journal of Coal Geology</i> , 2022 , 250, 103913	5.5	0
262	Resources from coal beneficiation waste: Chemistry and petrology of the Ayrshire coal tailings ponds, Chandler, Indiana. <i>Fuel</i> , 2022 , 313, 123054	7.1	0
261	A review of rare earth elements and yttrium in coal ash: Content, modes of occurrences, combustion behavior, and extraction methods. <i>Progress in Energy and Combustion Science</i> , 2022 , 88, 100954	33.6	11
260	Mineralogical and geochemical characteristics of tonsteins from the Middle Jurassic Yan'an Formation, Ordos Basin, North China. <i>International Journal of Coal Geology</i> , 2022 , 253, 103968	5.5	0
259	Geochemical characteristics and paleoclimate implication of Middle Jurassic coal in the Ordos Basin, China. <i>Ore Geology Reviews</i> , 2022 , 144, 104848	3.2	0
258	Granite-bauxite provenance of abnormally enriched boehmite and critical elements (Nb, Ta, Zr, Hf and Ga) in coals from the Eastern Surface Mine, Ningwu Coalfield, Shanxi Province, China. <i>Journal of Geochemical Exploration</i> , 2022 , 107016	3.8	1
257	Geochemical, mineralogical, and petrological characteristics of the Cretaceous coal from the middle Benue Trough Basin, Nigeria: Implication for coal depositional environments. <i>Energy Geoscience</i> , 2022 , 3, 300-313	5.8	0
256	Petrology of the Fire Clay coal, Bear Branch, Perry County, Kentucky. <i>International Journal of Coal Geology</i> , 2021 , 249, 103891	5.5	0
255	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. <i>Ore Geology Reviews</i> , 2021 , 139, 104582	3.2	1
254	Mineral Matter in the Late Permian C1 Coal from Yunnan Province, China, with Emphasis on Its Origins and Modes of Occurrence. <i>Minerals (Basel, Switzerland)</i> , 2021 , 11, 19	2.4	8
253	Rapid Removal of PFOA and PFOS via Modified Industrial Solid Waste: Mechanisms and Influences of Water Matrices. <i>Chemical Engineering Journal</i> , 2021 , 433, 133271	14.7	2
252	Distribution of Rare Earth Elements in the Illinois Basin Coals. <i>Mining, Metallurgy and Exploration</i> , 2021 , 38, 1645-1663	1.1	3
251	Volcanic emissions and atmospheric pollution: A study of nanoparticles. <i>Geoscience Frontiers</i> , 2021 , 12, 746-755	6	14
250	Possibilities of using silicate rock powder: An overview. <i>Geoscience Frontiers</i> , 2021 , 13, 101185	6	4
249	Distribution of rare earth elements in fly ash derived from the combustion of Illinois Basin coals. <i>Fuel</i> , 2021 , 289, 119990	7.1	5
248	Geochemistry and petrology of coal and coal fly ash from a thermal power plant in India. <i>Fuel</i> , 2021 , 291, 120122	7.1	2

247	Metal-Containing Nanoparticles in Low-Rank Coal-Derived Fly Ash from China: Characterization and Implications toward Human Lung Toxicity. <i>Environmental Science & Technology</i> , 2021 , 55, 6644-6654 ^{10.3}	4
246	Migmatite-like textures in anthracite: Further evidence for low-grade metamorphic melting and resolidification in high-rank coals. <i>Geoscience Frontiers</i> , 2021 , 12, 101122	6 3
245	Geochemistry, mineralogy and thermal analyses of Cretaceous coals from the Benue Trough basin Nigeria: Reconnaissance assessments. <i>Journal of African Earth Sciences</i> , 2021 , 178, 104167	2.2 0
244	The Tarim Basin, China, a prospect for plume-related Zr(Hf)-Nb(Ta)-REY-Ga-U mineralization. <i>Ore Geology Reviews</i> , 2021 , 133, 104081	3.2 3
243	Portable dehumidifiers as an original matrix for the study of inhalable nanoparticles in school. <i>Chemosphere</i> , 2021 , 262, 127295	8.4 2
242	Estimation of heavy and light rare earth elements of coal by intelligent methods. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2021 , 43, 70-79	1.6 4
241	Titanium nanoparticles in sedimented dust aggregates from urban children's parks around coal ashes wastes. <i>Fuel</i> , 2021 , 285, 119162	7.1 7
240	Mercury stable isotope fractionation during gaseous elemental mercury adsorption onto coal fly ash particles: Experimental and field observations. <i>Journal of Hazardous Materials</i> , 2021 , 405, 124280	12.8 1
239	Rare Earth-bearing particles in fly ash carbons: Examples from the combustion of eastern Kentucky coals. <i>Energy Geoscience</i> , 2021 , 2, 90-98	5.8 6
238	Artisanal ceramic factories using wood combustion: A nanoparticles and human health study. <i>Geoscience Frontiers</i> , 2021 , 13, 101151	6 2
237	Deposition of nanoparticles on school eyeglasses in urban and rural areas: A methodology for a more real assessment of the possible impacts. <i>Geoscience Frontiers</i> , 2021 , 101135	6 1
236	Sustainable Release of Macronutrients to Black Oat and Maize Crops from Organically-Altered Dacite Rock Powder. <i>Natural Resources Research</i> , 2021 , 30, 1941-1953	4.9 1
235	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. <i>Fuel</i> , 2021 , 295, 120562	7.1 7
234	The key roles of Fe-bearing minerals on arsenic capture and speciation transformation during high-As bituminous coal combustion: Experimental and theoretical investigations. <i>Journal of Hazardous Materials</i> , 2021 , 415, 125610	12.8 10
233	Modes of occurrence of elements in coal: A critical evaluation. <i>Earth-Science Reviews</i> , 2021 , 222, 103815 ^{10.2}	16
232	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. <i>Fuel</i> , 2021 , 300, 120948	7.1 8
231	Signatures of rare earth element distributions in fly ash derived from the combustion of Central Appalachian, Illinois, and Powder River basin coals. <i>Fuel</i> , 2021 , 301, 121048	7.1 3
230	Contrasts in maceral textures in progressive metamorphism versus near-surface hydrothermal metamorphism. <i>International Journal of Coal Geology</i> , 2021 , 246, 103840	5.5 7

229	Distribution of rare earth elements and other critical elements in beneficiated Pennsylvania anthracites. <i>Fuel</i> , 2021 , 304, 121400	7.1	7
228	Soft modelling of the Hardgrove grindability index of bituminous coals: An overview. <i>International Journal of Coal Geology</i> , 2021 , 247, 103846	5.5	0
227	Rare earth elements study of Cretaceous coals from Benue Trough basin, Nigeria: Modes of occurrence for greater sustainability of mining. <i>Fuel</i> , 2021 , 304, 121468	7.1	1
226	Nanomineralogy of evaporative precipitation of efflorescent compounds from coal mine drainage. <i>Geoscience Frontiers</i> , 2020 , 12, 101003-101003	6	6
225	Geochemical partitioning from pulverized coal to fly ash and bottom ash. <i>Fuel</i> , 2020 , 279, 118542	7.1	18
224	Geochemistry, petrology, and palynology of the Princess No. 3 coal, Greenup County, Kentucky. <i>International Journal of Coal Science and Technology</i> , 2020 , 7, 633-651	4.5	4
223	Thermal properties of Pennsylvania anthracite. <i>Fuel</i> , 2020 , 266, 117101	7.1	8
222	Mineralogy of a rare earth element-rich Manchester coal lithotype, Clay County, Kentucky. <i>International Journal of Coal Geology</i> , 2020 , 220, 103413	5.5	14
221	Distribution of Lanthanides, Yttrium, and Scandium in the Pilot-Scale Beneficiation of Fly Ashes Derived from Eastern Kentucky Coals. <i>Minerals (Basel, Switzerland)</i> , 2020 , 10, 105	2.4	20
220	Evidence for multiple sources for inorganic components in the Tucheng coal deposit, western Guizhou, China and the lack of critical-elements. <i>International Journal of Coal Geology</i> , 2020 , 223, 103468	5.5	20
219	Leaching behavior of trace elements from fly ashes of five Chinese coal power plants. <i>International Journal of Coal Geology</i> , 2020 , 219, 103381	5.5	24
218	Characterization of superhigh-organic-sulfur Raš coal, Istria, Croatia, and its environmental implication. <i>International Journal of Coal Geology</i> , 2020 , 217, 103344	5.5	15
217	Organic associations of non-mineral elements in coal: A review. <i>International Journal of Coal Geology</i> , 2020 , 218, 103347	5.5	68
216	Recognition of peat depositional environments in coal: A review. <i>International Journal of Coal Geology</i> , 2020 , 219, 103383	5.5	108
215	History of applied coal petrology in the United States. IV. Reflections on the centennial of the introduction of coal petrology to North America. <i>International Journal of Coal Geology</i> , 2020 , 229, 103578	5.5	3
214	Could hot fluids be the cause of natural pyrolysis at the ragged edge of Herrin coal, Millport 7 □ □ quadrangle, Hopkins County, Kentucky?. <i>International Journal of Coal Geology</i> , 2020 , 231, 103603	5.5	2
213	Aspects of rare earth element enrichment in Central Appalachian coals. <i>Applied Geochemistry</i> , 2020 , 120, 104676	3.5	8
212	Study Relationship Between the Coal Thermoplastic Factor With Its Organic and Inorganic Properties by the Support Vector Regression Method. <i>International Journal of Coal Preparation and Utilization</i> , 2020 , 40, 743-754	1.2	4

211	Bio-geochemical evolution and critical element mineralization in the Cretaceous-Cenozoic coals from the southern Far East Russia and northeastern China. <i>Applied Geochemistry</i> , 2020 , 117, 104602	3.5	11
210	Petrographic characteristics of the brecciated coals from Panxian county, Guizhou, southwestern China. <i>Fuel</i> , 2019 , 243, 1-9	7.1	4
209	Environmental evaluation and nano-mineralogical study of fresh and unsaturated weathered coal fly ashes. <i>Science of the Total Environment</i> , 2019 , 663, 177-188	10.2	31
208	Nano-Scale Rare Earth Distribution in Fly Ash Derived from the Combustion of the Fire Clay Coal, Kentucky. <i>Minerals (Basel, Switzerland)</i> , 2019 , 9, 206	2.4	17
207	Selective Recovery of Rare Earth Elements from Coal Fly Ash Leachates Using Liquid Membrane Processes. <i>Environmental Science & Technology</i> , 2019 , 53, 4490-4499	10.3	58
206	Feasibility study of preparation of carbon quantum dots from Pennsylvania anthracite and Kentucky bituminous coals. <i>Fuel</i> , 2019 , 243, 433-440	7.1	26
205	Characterization of stoker ash from the combustion of high-lanthanide coal at a Kentucky bourbon distillery. <i>International Journal of Coal Geology</i> , 2019 , 213, 103260	5.5	8
204	The importance of minerals in coal as the hosts of chemical elements: A review. <i>International Journal of Coal Geology</i> , 2019 , 212, 103251	5.5	131
203	Leaching characteristics of alkaline coal combustion by-products: A case study from a coal-fired power plant, Hebei Province, China. <i>Fuel</i> , 2019 , 255, 115710	7.1	21
202	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. <i>Ore Geology Reviews</i> , 2019 , 115, 103184	3.2	22
201	Marine derived ⁸⁷ Sr/ ⁸⁶ Sr in coal, a new key to geochronology and palaeoenvironment: Elucidation of the India-Eurasia and China-Indochina collisions in Yunnan, China. <i>International Journal of Coal Geology</i> , 2019 , 215, 103304	5.5	41
200	Structure Determination, Functional Characterization, and Biosynthetic Implications of Nybomycin Metabolites from a Mining Reclamation Site-Associated. <i>Journal of Natural Products</i> , 2019 , 82, 3469-3476	4.9	6
199	Notes on the mechanisms of coal metamorphism in the Pennsylvania Anthracite Fields. <i>International Journal of Coal Geology</i> , 2019 , 202, 161-170	5.5	22
198	Rare earth elements and yttrium in coal ash from the Luzhou power plant in Sichuan, Southwest China: Concentration, characterization and optimized extraction. <i>International Journal of Coal Geology</i> , 2019 , 203, 1-14	5.5	98
197	A novel nature-inspired optimization based neural network simulator to predict coal grindability index. <i>Engineering Computations</i> , 2018 , 35, 1003-1048	1.4	6
196	Modes of occurrence and origin of mineral matter in the Palaeogene coal (No. 19-2) from the Hunchun Coalfield, Jilin Province, China. <i>International Journal of Coal Geology</i> , 2018 , 189, 94-110	5.5	42
195	Rare earth element associations in the Kentucky State University stoker ash. <i>International Journal of Coal Geology</i> , 2018 , 189, 75-82	5.5	38
194	Submicron-scale mineralogy of lithotypes and the implications for trace element associations: Blue Gem coal, Knox County, Kentucky. <i>International Journal of Coal Geology</i> , 2018 , 192, 73-82	5.5	16

193	Relationships between noble metals as potential coal combustion products and conventional coal properties. <i>Fuel</i> , 2018 , 226, 345-349	7.1	10
192	Ranking Coal Ash Materials for Their Potential to Leach Arsenic and Selenium: Relative Importance of Ash Chemistry and Site Biogeochemistry. <i>Environmental Engineering Science</i> , 2018 , 35, 728-738	2	19
191	Geochemistry and Nanomineralogy of Feed Coals and Their Coal Combustion Residues from Two Different Coal-Based Industries in Northeast India. <i>Energy & Fuels</i> , 2018 , 32, 3697-3708	4.1	14
190	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. <i>International Journal of Coal Geology</i> , 2018 , 185, 61-78	5.5	41
189	A model for Nb-Ta-REE-Ca enrichment in Lopingian altered alkaline volcanic ashes: Key evidence of H-O isotopes. <i>Lithos</i> , 2018 , 302-303, 359-369	2.9	35
188	Rare earth minerals in a Bo tonstein section of the Dean (Fire Clay) coal, Knox County, Kentucky. <i>International Journal of Coal Geology</i> , 2018 , 193, 73-86	5.5	33
187	A comparative study on the mineralogy, chemical speciation, and combustion behavior of toxic elements of coal beneficiation products. <i>Fuel</i> , 2018 , 228, 297-308	7.1	24
186	Enrichment of Bi-Be-Mo-Cd-Pb-Nb-Ga, REEs and Y in the Permian coals of the Huainan Coalfield, Anhui, China: Discussion. <i>Ore Geology Reviews</i> , 2018 , 102, 937-939	3.2	5
185	Determination of Eu concentrations in coal, fly ash and sedimentary rocks using a cation exchange resin and inductively coupled plasma mass spectrometry (ICP-MS). <i>International Journal of Coal Geology</i> , 2018 , 191, 152-156	5.5	52
184	Valuable elements in Chinese coals: a review. <i>International Geology Review</i> , 2018 , 60, 590-620	2.3	125
183	Mineralogy and geochemistry of ash and slag from coal gasification in China: a review. <i>International Geology Review</i> , 2018 , 60, 717-735	2.3	18
182	Coal as a promising source of critical elements: Progress and future prospects. <i>International Journal of Coal Geology</i> , 2018 , 186, 155-164	5.5	266
181	Stone coal in China: a review. <i>International Geology Review</i> , 2018 , 60, 736-753	2.3	45
180	Emission and transformation behavior of minerals and hazardous trace elements (HTEs) during coal combustion in a circulating fluidized bed boiler. <i>Environmental Pollution</i> , 2018 , 242, 1950-1960	9.3	32
179	Comments on Geochemical Characteristics of Rare-Metal, Rare-Scattered, and Rare-Earth Elements and Minerals in the Late Permian Coals from the Moxinpo Mine, Chongqing, China. <i>Energy & Fuels</i> , 2018 , 32, 8891-8894	4.1	5
178	Modes of occurrence of non-mineral inorganic elements in lignites from the Mile Basin, Yunnan Province, China. <i>Fuel</i> , 2018 , 222, 146-155	7.1	32
177	Mississippian anthracites in Guangxi Province, southern China: Petrological, mineralogical, and rare earth element evidence for high-temperature solutions. <i>International Journal of Coal Geology</i> , 2018 , 197, 84-114	5.5	35
176	Coal geology in China: an overview. <i>International Geology Review</i> , 2018 , 60, 531-534	2.3	26

175	Differences in bulk and microscale yttrium speciation in coal combustion fly ash. <i>Environmental Sciences: Processes and Impacts</i> , 2018 , 20, 1390-1403	4.3	17
174	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. <i>ACS Omega</i> , 2018 , 3, 17637-17645	3.9	31
173	Influence of selected factors of Polish coking coals on the Hardgrove Grindability Index (HGI). <i>International Journal of Coal Preparation and Utilization</i> , 2018 , 1-14	1.2	6
172	Ultrafine Mineral Associations in Superhigh-Organic-Sulfur Kentucky Coals. <i>ACS Omega</i> , 2018 , 3, 12179-12187	3.3	3
171	Aqueous acid and alkaline extraction of rare earth elements from coal combustion ash. <i>International Journal of Coal Geology</i> , 2018 , 195, 75-83	5.5	73
170	Estimating REY content of eastern Kentucky coal samples based on their associated ash elements. <i>Journal of Rare Earths</i> , 2018 , 36, 1234-1238	3.7	9
169	Effects of roasting additives and leaching parameters on the extraction of rare earth elements from coal fly ash. <i>International Journal of Coal Geology</i> , 2018 , 196, 106-114	5.5	71
168	Maceral Liberation and Distribution of Bituminous Coal for Predicting Maceral-Separation Performance. <i>International Journal of Coal Preparation and Utilization</i> , 2017 , 37, 237-251	1.2	7
167	Size-Dependent Variations in Fly Ash Trace Element Chemistry: Examples from a Kentucky Power Plant and with Emphasis on Rare Earth Elements. <i>Energy & Fuels</i> , 2017 , 31, 438-447	4.1	28
166	Mccrearamycins A-D, Geldanamycin-Derived Cyclopentenone Macrolactams from an Eastern Kentucky Abandoned Coal Mine Microbe. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2994-2998	16.4	27
165	Mccrearamycins AD, Geldanamycin-Derived Cyclopentenone Macrolactams from an Eastern Kentucky Abandoned Coal Mine Microbe. <i>Angewandte Chemie</i> , 2017 , 129, 3040-3044	3.6	4
164	Mississippian (Serpukhovian; Chesterian Stage) coals from the Fluorspar District, Crittenden and Caldwell counties, Kentucky: Petrological and palynological compositions and their indications for peat-producing ecosystems. <i>International Journal of Coal Geology</i> , 2017 , 174, 23-30	5.5	8
163	Anomalies of rare metals in Lopingian super-high-organic-sulfur coals from the Yishan Coalfield, Guangxi, China. <i>Ore Geology Reviews</i> , 2017 , 88, 235-250	3.2	78
162	Enrichment of germanium and associated arsenic and tungsten in coal and roll-front uranium deposits. <i>Chemical Geology</i> , 2017 , 463, 29-49	4.2	50
161	Coal-derived unburned carbons in fly ash: A review. <i>International Journal of Coal Geology</i> , 2017 , 179, 11-27	5.5	116
160	Organic geochemistry of funginite (Miocene, Eel River, Mendocino County, California, USA) and macrinite (Cretaceous, Inner Mongolia, China). <i>International Journal of Coal Geology</i> , 2017 , 179, 60-71	5.5	4
159	Chemistry and petrology of paired feed coal and combustion ash from anthracite-burning stoker boilers. <i>Fuel</i> , 2017 , 199, 438-446	7.1	13
158	Bi- and Tetracyclic Spirotetronates from the Coal Mine Fire Isolate Streptomyces sp. LC-6-2. <i>Journal of Natural Products</i> , 2017 , 80, 1141-1149	4.9	26

157	Modeling of gross calorific value based on coal properties by support vector regression method. <i>Modeling Earth Systems and Environment</i> , 2017 , 3, 1	3.2	17
156	Spoxazomicin D and Oxachelin C, Potent Neuroprotective Carboxamides from the Appalachian Coal Fire-Associated Isolate <i>Streptomyces</i> sp. RM-14-6. <i>Journal of Natural Products</i> , 2017 , 80, 2-11	4.9	28
155	Altered volcanic ashes in coal and coal-bearing sequences: A review of their nature and significance. <i>Earth-Science Reviews</i> , 2017 , 175, 44-74	10.2	103
154	Distribution of rare earth elements in coal combustion fly ash, determined by SHRIMP-RG ion microprobe. <i>International Journal of Coal Geology</i> , 2017 , 184, 1-10	5.5	132
153	Discovery and ramifications of incidental Magn β phase generation and release from industrial coal-burning. <i>Nature Communications</i> , 2017 , 8, 194	17.4	30
152	Naturally Occurring Radioactive Materials in Uranium-Rich Coals and Associated Coal Combustion Residues from China. <i>Environmental Science & Technology</i> , 2017 , 51, 13487-13493	10.3	30
151	Impact of coal source changes on mercury content in fly ash: Examples from a Kentucky power plant. <i>International Journal of Coal Geology</i> , 2017 , 170, 2-6	5.5	13
150	Rare Earth Element Distribution in Fly Ash Derived from the Fire Clay Coal, Kentucky. <i>Coal Combustion and Gasification Products</i> , 2017 , 9, 22-33		37
149	Ponded and Landfilled Fly Ash as a Source of Rare Earth Elements from a Kentucky Power Plant. <i>Coal Combustion and Gasification Products</i> , 2017 , 9, 1-21		23
148	Non-isothermal TG-DSC study on prediction of caking properties of vitrinite-rich concentrates of bituminous coals. <i>Fuel Processing Technology</i> , 2017 , 156, 500-504	7.2	17
147	Metalliferous coal deposits in East Asia (Primorye of Russia and South China): A review of geodynamic controls and styles of mineralization. <i>Gondwana Research</i> , 2016 , 29, 60-82	5.1	104
146	Devolatilization and kinetics of maceral concentrates of bituminous coals. <i>Fuel Processing Technology</i> , 2016 , 154, 147-155	7.2	12
145	Explaining relationships among various coal analyses with coal grindability index by Random Forest. <i>International Journal of Mineral Processing</i> , 2016 , 155, 140-146		36
144	Explaining relationships between coke quality index and coal properties by Random Forest method. <i>Fuel</i> , 2016 , 182, 754-760	7.1	48
143	Trends in the Rare Earth Element Content of U.S.-Based Coal Combustion Fly Ashes. <i>Environmental Science & Technology</i> , 2016 , 50, 5919-26	10.3	140
142	Distribution of rare earth elements in eastern Kentucky coals: Indicators of multiple modes of enrichment?. <i>International Journal of Coal Geology</i> , 2016 , 160-161, 73-81	5.5	107
141	Notes on Contributions to the Science of Rare Earth Element Enrichment in Coal and Coal Combustion Byproducts. <i>Minerals (Basel, Switzerland)</i> , 2016 , 6, 32	2.4	151
140	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. <i>Minerals (Basel, Switzerland)</i> , 2016 , 6, 45	2.4	24

139	A review of anomalous rare earth elements and yttrium in coal. <i>International Journal of Coal Geology</i> , 2016 , 159, 82-95	5.5	262
138	Water and soil quality at two eastern-Kentucky (USA) coal fires. <i>Environmental Earth Sciences</i> , 2016 , 75, 1	2.9	13
137	Fundamental evaluation of petrographic effects on coal grindability by seasonal autoregressive integrated moving average (SARIMA). <i>International Journal of Mineral Processing</i> , 2016 , 154, 94-99		5
136	A statistical assessment of carbon monoxide emissions from the Truman Shepherd coal fire, Floyd County, Kentucky. <i>International Journal of Coal Geology</i> , 2015 , 144-145, 88-97	5.5	12
135	Elemental and mineralogical anomalies in the coal-hosted Ge ore deposit of Lincang, Yunnan, southwestern China: Key role of N ₂ -CO ₂ -mixed hydrothermal solutions. <i>International Journal of Coal Geology</i> , 2015 , 152, 19-46	5.5	114
134	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. <i>Ore Geology Reviews</i> , 2015 , 71, 318-349	3.2	99
133	Geochemical and mineralogical evidence for a coal-hosted uranium deposit in the Yili Basin, Xinjiang, northwestern China. <i>Ore Geology Reviews</i> , 2015 , 70, 1-30	3.2	164
132	Microanalysis of barkinite from Chinese coals of high volatile bituminous rank. <i>International Journal of Coal Geology</i> , 2015 , 141-142, 103-108	5.5	10
131	Elements and phosphorus minerals in the middle Jurassic inertinite-rich coals of the Muli Coalfield on the Tibetan Plateau. <i>International Journal of Coal Geology</i> , 2015 , 144-145, 23-47	5.5	88
130	Terfestatins B and C, New p-Terphenyl Glycosides Produced by <i>Streptomyces</i> sp. RM-5-8. <i>Organic Letters</i> , 2015 , 17, 2796-9	6.2	34
129	Naturally Occurring Radioactive Materials in Coals and Coal Combustion Residuals in the United States. <i>Environmental Science & Technology</i> , 2015 , 49, 11227-33	10.3	54
128	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. <i>International Journal of Coal Geology</i> , 2015 , 137, 92-110	5.5	109
127	Geochemistry and nano-mineralogy of feed coals, mine overburden, and coal-derived fly ashes from Assam (North-east India): a multi-faceted analytical approach. <i>International Journal of Coal Geology</i> , 2015 , 137, 19-37	5.5	78
126	Enrichment of U, Be, Mo, Re in coals preserved within marine carbonate successions: geochemical and mineralogical data from the Late Permian Guiding Coalfield, Guizhou, China. <i>Mineralium Deposita</i> , 2015 , 50, 159-186	4.8	214
125	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. <i>Energy & Fuels</i> , 2015 , 29, 7168-7177	4.1	71
124	Notes on the Potential for the Concentration of Rare Earth Elements and Yttrium in Coal Combustion Fly Ash. <i>Minerals (Basel, Switzerland)</i> , 2015 , 5, 356-366	2.4	42
123	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). <i>International Journal of Coal Geology</i> , 2014 , 124, 1-4	5.5	117
122	Geochemistry and nano-mineralogy of two medium-sulfur northeast Indian coals. <i>International Journal of Coal Geology</i> , 2014 , 121, 26-34	5.5	81

121	Ruthmycin, a new tetracyclic polyketide from <i>Streptomyces</i> sp. RM-4-15. <i>Organic Letters</i> , 2014 , 16, 456-96.2	20
120	Mullinamides A and B, new cyclopeptides produced by the Ruth Mullins coal mine fire isolate <i>Streptomyces</i> sp. RM-27-46. <i>Journal of Antibiotics</i> , 2014 , 67, 571-5	3-7 24
119	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
118	Revisiting the late Permian coal from the Huayingshan, Sichuan, southwestern China: Enrichment and occurrence modes of minerals and trace elements. <i>International Journal of Coal Geology</i> , 2014 , 122, 110-128	5-5 120
117	Composition and modes of occurrence of minerals and elements in coal combustion products derived from high-Ge coals. <i>International Journal of Coal Geology</i> , 2014 , 121, 79-97	5-5 140
116	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
115	Notes on the origin of the resinite-rich pine needle lithotype of the Cretaceous Cambria coal, Weston County, Wyoming. <i>International Journal of Coal Geology</i> , 2014 , 130, 66-69	5-5 2
114	A mineralogical and geochemical study of three Brazilian coal cleaning rejects: Demonstration of electron beam applications. <i>International Journal of Coal Geology</i> , 2014 , 130, 33-52	5-5 96
113	Origin of minerals and elements in the Late Permian coals, tonsteins, and host rocks of the Xinde Mine, Xuanwei, eastern Yunnan, China. <i>International Journal of Coal Geology</i> , 2014 , 121, 53-78	5-5 158
112	The native production of the sesquiterpene isopteroic acid by <i>Streptomyces</i> sp. RM-14-6. <i>Natural Product Research</i> , 2014 , 28, 337-9	2-3 15
111	Notes on the relationship between microlithotype composition and Hardgrove grindability index for rank suites of Eastern Kentucky (Central Appalachian) coals. <i>International Journal of Coal Geology</i> , 2014 , 131, 109-112	5-5 13
110	Venturicidin C, a new 20-membered macrolide produced by <i>Streptomyces</i> sp. TS-2-2. <i>Journal of Antibiotics</i> , 2014 , 67, 223-30	3-7 28
109	Obituary for Dr. William Spackman (1919-2014). <i>International Journal of Coal Geology</i> , 2014 , 128-129, 165-167	5-5
108	The occurrence of gold in fly ash derived from high-Ge coal. <i>Mineralium Deposita</i> , 2014 , 49, 1-6	4-8 31
107	Trends in Coal Utilization and Coal Combustion Product Production in Kentucky: Results of the 2012 Survey of Power Plants. <i>Coal Combustion and Gasification Products</i> , 2014 , 6, 35-41	5
106	Frenolicins C-G, pyranonaphthoquinones from <i>Streptomyces</i> sp. RM-4-15. <i>Journal of Natural Products</i> , 2013 , 76, 1441-7	4-9 50
105	Macrinite and funginite forms in Cretaceous Menefee Formation anthracite, Cerrillos coalfield, New Mexico. <i>International Journal of Coal Geology</i> , 2013 , 114, 54-59	5-5 17
104	Vanadium and Nickel Speciation in Pulverized Coal and Petroleum Coke Co-combustion. <i>Energy & Fuels</i> , 2013 , 27, 1194-1203	4-1 28

103	Herbimycins D-F, ansamycin analogues from <i>Streptomyces</i> sp. RM-7-15. <i>Journal of Natural Products</i> , 2013 , 76, 1619-26	4.9	31
102	Mineralogical and geochemical anomalies of late Permian coals from the Fusui Coalfield, Guangxi Province, southern China: Influences of terrigenous materials and hydrothermal fluids. <i>International Journal of Coal Geology</i> , 2013 , 105, 60-84	5.5	157
101	Macrinite forms in Pennsylvanian coals. <i>International Journal of Coal Geology</i> , 2013 , 116-117, 172-181	5.5	23
100	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
99	An investigation of Wulantuga coal (Cretaceous, Inner Mongolia) macerals: Paleopathology of faunal and fungal invasions into wood and the recognizable clues for their activity. <i>International Journal of Coal Geology</i> , 2013 , 114, 44-53	5.5	44
98	Notes on the origin of altered macerals in the Ragged Edge of the Pennsylvanian (Asturian) Herrin coalbed, Western Kentucky. <i>International Journal of Coal Geology</i> , 2013 , 115, 24-40	5.5	6
97	Coal deposits as promising sources of rare metals for alternative power and energy-efficient technologies. <i>Applied Geochemistry</i> , 2013 , 31, 1-11	3.5	196
96	The occurrence of hazardous volatile elements and nanoparticles in Bulgarian coal fly ashes and the effect on human health exposure. <i>Science of the Total Environment</i> , 2012 , 416, 513-26	10.2	82
95	Applied investigation on the interaction of hazardous elements binding on ultrafine and nanoparticles in Chinese anthracite-derived fly ash. <i>Science of the Total Environment</i> , 2012 , 419, 250-64	10.2	53
94	The further adventures of Tin Man: Vertical temperature gradients at the Lotts Creek coal mine fire, Perry County, Kentucky. <i>International Journal of Coal Geology</i> , 2012 , 101, 16-20	5.5	9
93	Geochemistry of trace elements in Chinese coals: A review of abundances, genetic types, impacts on human health, and industrial utilization. <i>International Journal of Coal Geology</i> , 2012 , 94, 3-21	5.5	677
92	Geochemistry of carbon nanotube assemblages in coal fire soot, Ruth Mullins fire, Perry County, Kentucky. <i>International Journal of Coal Geology</i> , 2012 , 94, 206-213	5.5	55
91	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. <i>International Journal of Coal Geology</i> , 2012 , 94, 250-270	5.5	178
90	Illite crystallinity and coal metamorphism for selected central Appalachian coals and shales. <i>International Journal of Coal Geology</i> , 2012 , 94, 167-172	5.5	8
89	Mineralogy and leaching characteristics of beneficiated coal products from Santa Catarina, Brazil. <i>International Journal of Coal Geology</i> , 2012 , 94, 314-325	5.5	115
88	Petrology, mineralogy, and geochemistry of the Ge-rich coal from the Wulantuga Ge ore deposit, Inner Mongolia, China: New data and genetic implications. <i>International Journal of Coal Geology</i> , 2012 , 90-91, 72-99	5.5	197
87	Coal deposits as potential alternative sources for lanthanides and yttrium. <i>International Journal of Coal Geology</i> , 2012 , 94, 67-93	5.5	472
86	Petrographic examination of coal-combustion fly ash. <i>International Journal of Coal Geology</i> , 2012 , 92, 90-97	5.5	74

85	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. <i>International Journal of Coal Geology</i> , 2012 , 98, 10-40	5.5	189
84	Estimation of Some Coal Parameters Depending on Petrographic and Inorganic Analyses by Using Genetic Algorithm and Adaptive Neuro-Fuzzy Inference Systems. <i>Energy Exploration and Exploitation</i> , 2011 , 29, 479-494	2.1	16
83	Petrographic, geochemical, and mycological aspects of Miocene coals from the Nový and Handlová mining districts, Slovakia. <i>International Journal of Coal Geology</i> , 2011 , 87, 268-281	5.5	33
82	Notes on the origin of inertinite macerals in coal: Evidence for fungal and arthropod transformations of degraded macerals. <i>International Journal of Coal Geology</i> , 2011 , 86, 231-240	5.5	79
81	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
80	Modes of Formation of Carbon Oxides [CO _x (x = 1 or 2)] from Coals during Atmospheric Storage. Part 2: Effect of Coal Rank on the Kinetics. <i>Energy & Fuels</i> , 2011 , 25, 5626-5631	4.1	10
79	Revisiting Coos Bay, Oregon: A re-examination of funginite-luminite relationships in Eocene subbituminous coals. <i>International Journal of Coal Geology</i> , 2011 , 85, 34-42	5.5	39
78	Studies of relationships between Free Swelling Index (FSI) and coal quality by regression and Adaptive Neuro Fuzzy Inference System. <i>International Journal of Coal Geology</i> , 2011 , 85, 65-71	5.5	34
77	Notes on the origin of inertinite macerals in coals: Funginite associations with cutinite and suberinite. <i>International Journal of Coal Geology</i> , 2011 , 85, 186-190	5.5	35
76	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
75	Splint coals of the Central Appalachians: Petrographic and geochemical facies of the Peach Orchard No. 3 split coal bed, southern Magoffin County, Kentucky. <i>International Journal of Coal Geology</i> , 2011 , 85, 268-275	5.5	20
74	Estimation of free-swelling index based on coal analysis using multivariable regression and artificial neural network. <i>Fuel Processing Technology</i> , 2011 , 92, 349-355	7.2	31
73	Study Relationship between Inorganic and Organic Coal Analysis with Gross Calorific Value by Multiple Regression and ANFIS. <i>International Journal of Coal Preparation and Utilization</i> , 2011 , 31, 9-19	1.2	28
72	Mercury capture by native fly ash carbons in coal-fired power plants. <i>Progress in Energy and Combustion Science</i> , 2010 , 36,	33.6	198
71	Abundances and distribution of minerals and elements in high-alumina coal fly ash from the Jungar Power Plant, Inner Mongolia, China. <i>International Journal of Coal Geology</i> , 2010 , 81, 320-332	5.5	242
70	Geologic controls on thermal maturity patterns in Pennsylvanian coal-bearing rocks in the Appalachian basin. <i>International Journal of Coal Geology</i> , 2010 , 81, 169-181	5.5	60
69	Petrography and geochemistry of Oligocene bituminous coal from the Jiu Valley, Petroșani basin (southern Carpathian Mountains), Romania. <i>International Journal of Coal Geology</i> , 2010 , 82, 68-80	5.5	35
68	A new type of Nb (Ta)-Zr(Hf)-REE-Co polymetallic deposit in the late Permian coal-bearing strata, eastern Yunnan, southwestern China: Possible economic significance and genetic implications. <i>International Journal of Coal Geology</i> , 2010 , 83, 55-63	5.5	92

67	Funginite-resinite associations in coal. <i>International Journal of Coal Geology</i> , 2010 , 83, 64-72	5.5	31
66	Mineralogy and Leaching Characteristics of Coal Ash from a Major Brazilian Power Plant. <i>Coal Combustion and Gasification Products</i> , 2010 , 2, 51-65		30
65	Notes on the origin of inertinite macerals in coals: Observations on the importance of fungi in the origin of macrinite. <i>International Journal of Coal Geology</i> , 2009 , 80, 135-143	5.5	69
64	Prediction of Coal Grindability Based on Petrography, Proximate and Ultimate Analysis Using Neural Networks and Particle Swarm Optimization Technique. <i>Energy Exploration and Exploitation</i> , 2009 , 27, 201-212	2.1	5
63	Chemistry of coal and coal combustion products from Kentucky power plants: Results from the 2007 sampling, with emphasis on selenium. <i>Coal Combustion and Gasification Products</i> , 2009 , 1, 50-62		11
62	Nanoquartz in Late Permian C1 coal and the high incidence of female lung cancer in the Pearl River Origin area: a retrospective cohort study. <i>BMC Public Health</i> , 2008 , 8, 398	4.1	50
61	Mineralogy and geochemistry of a superhigh-organic-sulfur coal, Yanshan Coalfield, Yunnan, China: Evidence for a volcanic ash component and influence by submarine exhalation. <i>Chemical Geology</i> , 2008 , 255, 182-194	4.2	189
60	Association of the sites of heavy metals with nanoscale carbon in a Kentucky electrostatic precipitator fly ash. <i>Environmental Science & Technology</i> , 2008 , 42, 8471-7	10.3	63
59	Discussion on Characteristics of Fly Ashes from Full-Scale Coal-Fired Power Plants and Their Relationship to Mercury Adsorption by Lu et al.. <i>Energy & Fuels</i> , 2008 , 22, 1055-1058	4.1	5
58	Studies of the relationship between petrography and grindability for Kentucky coals using artificial neural network. <i>International Journal of Coal Geology</i> , 2008 , 73, 130-138	5.5	34
57	Mineralogy and geochemistry of boehmite-rich coals: New insights from the Haerwusu Surface Mine, Jungar Coalfield, Inner Mongolia, China. <i>International Journal of Coal Geology</i> , 2008 , 74, 185-202	5.5	293
56	Scanning proton microprobe analysis of mercury and other trace elements in Fe-sulfides from a Kentucky coal. <i>International Journal of Coal Geology</i> , 2008 , 75, 88-92	5.5	74
55	Coal combustion by-product quality at two stoker boilers: Coal source vs. fly ash collection system design. <i>International Journal of Coal Geology</i> , 2008 , 75, 248-254	5.5	33
54	Studies of relationship between petrography and elemental analysis with grindability for Kentucky coals. <i>Fuel</i> , 2008 , 87, 707-713	7.1	38
53	Prediction of coal grindability based on petrography, proximate and ultimate analysis using multiple regression and artificial neural network models. <i>Fuel Processing Technology</i> , 2008 , 89, 13-20	7.2	84
52	The investigation of chemical structure of coal macerals via transmitted-light FT-IR microscopy by X. Sun. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007 , 67, 1433-7	4.4	24
51	Discovery of the superlarge gallium ore deposit in Jungar, Inner Mongolia, North China. <i>Science Bulletin</i> , 2006 , 51, 2243-2252		50
50	Major and Minor Element Distribution in Fly Ash from a Coal-Fired Utility Boiler in Kentucky. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2006 , 28, 79-95	1.6	18

49	Mineralogy and geochemistry of the No. 6 Coal (Pennsylvanian) in the Junger Coalfield, Ordos Basin, China. <i>International Journal of Coal Geology</i> , 2006 , 66, 253-270	5.5	263
48	Enrichment of arsenic, antimony, mercury, and thallium in a Late Permian anthracite from Xingren, Guizhou, Southwest China. <i>International Journal of Coal Geology</i> , 2006 , 66, 217-226	5.5	160
47	Discussion: Li et al., Prediction of grindability with multivariable regression and neural network in Chinese coal. <i>Fuel</i> , 2006 , 85, 1307-1308	7.1	20
46	An Approach Toward a Combined Scheme for the Petrographic Classification of Fly Ash: Revision and Clarification. <i>Energy & Fuels</i> , 2005 , 19, 653-655	4.1	35
45	Concentration and distribution of elements in Late Permian coals from western Guizhou Province, China. <i>International Journal of Coal Geology</i> , 2005 , 61, 119-137	5.5	238
44	Mercury content of the Springfield coal, Indiana and Kentucky. <i>International Journal of Coal Geology</i> , 2005 , 63, 205-227	5.5	22
43	Arsenic-bearing pyrite and marcasite in the Fire Clay coal bed, Middle Pennsylvanian Breathitt Formation, eastern Kentucky. <i>International Journal of Coal Geology</i> , 2005 , 63, 27-35	5.5	53
42	Tracking mercury from the mine to the power plant: geochemistry of the Manchester coal bed, Clay County, Kentucky. <i>International Journal of Coal Geology</i> , 2004 , 57, 127-141	5.5	66
41	The cause of endemic fluorosis in western Guizhou Province, Southwest China. <i>Fuel</i> , 2004 , 83, 2095-2098	7.1	104
40	Impact of coal properties on coal combustion by-product quality: examples from a Kentucky power plant. <i>International Journal of Coal Geology</i> , 2004 , 59, 153-169	5.5	195
39	Geochemistry of the late Permian No. 30 coal seam, Zhijin Coalfield of Southwest China: influence of a siliceous low-temperature hydrothermal fluid. <i>Applied Geochemistry</i> , 2004 , 19, 1315-1330	3.5	127
38	The beneficiation of coal combustion ash. <i>Geological Society Special Publication</i> , 2004 , 236, 247-262	1.7	6
37	Clausthalite in coal. <i>International Journal of Coal Geology</i> , 2003 , 53, 219-225	5.5	85
36	Petrology and geochemistry of the high-sulphur coals from the Upper Permian carbonate coal measures in the Heshan Coalfield, southern China. <i>International Journal of Coal Geology</i> , 2003 , 55, 1-26	5.5	112
35	Studies of the relationship between coal petrology and grinding properties. <i>International Journal of Coal Geology</i> , 2003 , 54, 253-260	5.5	48
34	Geochemical and mineralogical anomalies of the late Permian coal in the Zhijin coalfield of southwest China and their volcanic origin. <i>International Journal of Coal Geology</i> , 2003 , 55, 117-138	5.5	107
33	Arsenic and Mercury Partitioning in Fly Ash at a Kentucky Power Plant. <i>Energy & Fuels</i> , 2003 , 17, 1028-1033	4.1	45
32	The Upper Hance coal bed in southeastern Kentucky: palynologic, geochemical, and petrographic evidence for environmental succession. <i>International Journal of Coal Geology</i> , 2002 , 49, 177-194	5.5	8

31	Distribution, isotopic variation and origin of sulfur in coals in the Wuda coalfield, Inner Mongolia, China. <i>International Journal of Coal Geology</i> , 2002 , 51, 237-250	5.5	163
30	Controls on boron and germanium distribution in the low-sulfur Amos coal bed, Western Kentucky coalfield, USA. <i>International Journal of Coal Geology</i> , 2002 , 53, 27-42	5.5	54
29	Further examination of the ragged edge of the Herrin Coal Bed, Webster County, Western Kentucky Coal Field. <i>International Journal of Coal Geology</i> , 2001 , 46, 145-155	5.5	16
28	Brecciated and mineralized coals in Union County, Western Kentucky coal field. <i>International Journal of Coal Geology</i> , 2001 , 47, 223-234	5.5	30
27	Temporal and spatial variations in fly ash quality. <i>Fuel Processing Technology</i> , 2001 , 73, 37-58	7.2	22
26	Discussion on origin of vanadium in coals: parts of the Western Kentucky (USA) No. 9 coal rich in vanadium. <i>Journal of the Geological Society</i> , 2000 , 157, 1257-1259	2.7	18
25	Mercury Capture by Fly Ash: Study of the Combustion of a High-Mercury Coal at a Utility Boiler. <i>Energy & Fuels</i> , 2000 , 14, 727-733	4.1	74
24	Lanthanide, yttrium, and zirconium anomalies in the Fire Clay coal bed, Eastern Kentucky. <i>International Journal of Coal Geology</i> , 1999 , 39, 141-153	5.5	219
23	Changes in the quality of coal delivered to Kentucky power plants, 1978 to 1997: responses to Clean Air Act directives. <i>International Journal of Coal Geology</i> , 1999 , 41, 125-155	5.5	14
22	Petrology, mineralogy, and chemistry of magnetically-separated sized fly ash. <i>Fuel</i> , 1999 , 78, 197-203	7.1	74
21	Petrographic observations of Gieseler semi-cokes from high volatile bituminous coals. <i>Fuel</i> , 1999 , 78, 445-451	7.1	12
20	Changes in the quality of coal combustion by-products produced by Kentucky power plants, 1978 to 1997: consequences of Clean Air Act directives. <i>Fuel</i> , 1999 , 78, 701-712	7.1	37
19	Novel Separation of the Differing Forms of Unburned Carbon Present in Fly Ash Using Density Gradient Centrifugation. <i>Energy & Fuels</i> , 1999 , 13, 947-953	4.1	56
18	Magnitude of Minor Element Reduction through Beneficiation of Central Appalachian Coals. <i>Coal Preparation</i> , 1998 , 19, 213-229		8
17	The Role of Semifusinite in Plasticity Development for a Coking Coal. <i>Energy & Fuels</i> , 1998 , 12, 1040-1046		19
16	Characterization of fly ash from Kentucky power plants. <i>Fuel</i> , 1996 , 75, 403-411	7.1	73
15	Coal resources, production, and quality in the Eastern Kentucky coal field: Perspectives on the future of steam coal production. <i>Nonrenewable Resources</i> , 1994 , 3, 216-236		9
14	Lithologic and geochemical investigations of the Fire Clay coal bed, southeastern Kentucky, in the vicinity of sandstone washouts. <i>International Journal of Coal Geology</i> , 1994 , 26, 95-115	5.5	20

13	Paleoecology of the Fire Clay coal bed in a portion of the Eastern Kentucky Coal Field. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1994 , 106, 287-305	2.9	64
12	Petrographic and Geochemical Anatomy of Lithotypes from the Blue Gem Coal Bed, Southeastern Kentucky. <i>Energy & Fuels</i> , 1994 , 8, 719-728	4.1	33
11	Appalachian anthracites. <i>Organic Geochemistry</i> , 1993 , 20, 619-642	3.1	29
10	Lithologic succession in the Path Fork coal bed (Breathitt Formation, Middle Pennsylvanian), southeastern Kentucky. <i>Organic Geochemistry</i> , 1992 , 18, 301-311	3.1	9
9	Geochemistry of the blue gem coal bed, Knox county, Kentucky. <i>International Journal of Coal Geology</i> , 1991 , 18, 211-231	5.5	30
8	Coal rank trends in the Central Appalachian coalfield: Virginia, West Virginia, and Kentucky. <i>Organic Geochemistry</i> , 1991 , 17, 161-173	3.1	22
7	Estimates of fluid properties of high volatile bituminous coals. <i>Fuel</i> , 1990 , 69, 1257-1270	7.1	15
6	Geochemistry of the Pond Creek coal bed, Eastern Kentucky coalfield. <i>International Journal of Coal Geology</i> , 1989 , 11, 205-226	5.5	66
5	Petrology of the River Gem coal bed, Whitley County, Kentucky. <i>International Journal of Coal Geology</i> , 1989 , 11, 227-245	5.5	25
4	Ragged edge of the Herrin (No. 11) coal, Western Kentucky. <i>International Journal of Coal Geology</i> , 1987 , 7, 1-20	5.5	29
3	Influence of microlithotype composition on hardgrove grindability for selected eastern Kentucky coals. <i>International Journal of Coal Geology</i> , 1987 , 7, 227-244	5.5	37
2	Maceral Partitioning through Beneficiation of Illinois Basin Coals. <i>Coal Preparation</i> , 1986 , 2, 149-164		7
1	Soils and spoils: mineralogy and geochemistry of mining and processing wastes from lead and zinc mining at the Gratz Mine, Owen County, Kentucky. <i>Journal of Soils and Sediments</i> , 1	3.4	0