

Colin P Snape

List of Publications by Year in descending order

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360
papers

14,772
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19657

61
h-index

34986

98
g-index

364
all docs

364
docs citations

364
times ranked

13133
citing authors

#	ARTICLE	IF	CITATIONS
1	Fossil steroids record the appearance of Demospongiae during the Cryogenian period. <i>Nature</i> , 2009, 457, 718-721.	27.8	611
2	Silica-templated melamine-formaldehyde resin derived adsorbents for CO ₂ capture. <i>Carbon</i> , 2008, 46, 1464-1474.	10.3	307
3	Impact of Water Coadsorption for Carbon Dioxide Capture in Microporous Polymer Sorbents. <i>Journal of the American Chemical Society</i> , 2012, 134, 10741-10744.	13.7	259
4	Materials challenges for the development of solid sorbents for post-combustion carbon capture. <i>Journal of Materials Chemistry</i> , 2012, 22, 2815-2823.	6.7	255
5	CO ₂ capture using some fly ash-derived carbon materials. <i>Fuel</i> , 2005, 84, 2204-2210.	6.4	239
6	Thermal stability of polyethylenimine based carbon dioxide adsorbents and its influence on selection of regeneration strategies. <i>Microporous and Mesoporous Materials</i> , 2008, 116, 504-512.	4.4	236
7	Preparation of carbon dioxide adsorbents from the chemical activation of urea-formaldehyde and melamine-formaldehyde resins. <i>Fuel</i> , 2007, 86, 22-31.	6.4	233
8	Swellable, Water- and Acid-Tolerant Polymer Sponges for Chemoselective Carbon Dioxide Capture. <i>Journal of the American Chemical Society</i> , 2014, 136, 9028-9035.	13.7	201
9	Evidence for Inclusion Complexes of Lipids with V-amylose in Maize, Rice and Oat Starches. <i>Journal of Cereal Science</i> , 1993, 18, 107-109.	3.7	193
10	Release of covalently-bound alkane biomarkers in high yields from kerogen via catalytic hydrolysis. <i>Organic Geochemistry</i> , 1995, 23, 981-986.	1.8	169
11	Physico-chemical properties of potato starches. <i>Food Chemistry</i> , 2011, 125, 958-965.	8.2	167
12	Evaluation of Activated Carbon Adsorbents for CO ₂ Capture in Gasification. <i>Energy & Fuels</i> , 2009, 23, 2790-2796.	5.1	166
13	Structural analysis of supercritical-gas extracts of coals. <i>Fuel</i> , 1979, 58, 413-422.	6.4	164
14	Quantitative reliability of aromaticity and related measurements on coals by ¹³ C n.m.r. A debate. <i>Fuel</i> , 1989, 68, 547-548.	6.4	162
15	Structural characterization of kerogen in 3.4Ga Archaean cherts from the Pilbara Craton, Western Australia. <i>Precambrian Research</i> , 2007, 155, 1-23.	2.7	148
16	Recycling of plastic wastes via pyrolysis. <i>Resources, Conservation and Recycling</i> , 2000, 29, 273-283.	10.8	142
17	Capturing CO ₂ from ambient air using a polyethyleneimine-silica adsorbent in fluidized beds. <i>Chemical Engineering Science</i> , 2014, 116, 306-316.	3.8	136
18	Parametric study on the regeneration heat requirement of an amine-based solid adsorbent process for post-combustion carbon capture. <i>Applied Energy</i> , 2016, 168, 394-405.	10.1	136

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19	A comprehensive comparison of dye-sensitized NiO photocathodes for solar energy conversion. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 10727-10738.	2.8	135
20	Thermal and kinetic analysis of diverse biomass fuels under different reaction environment: A way forward to renewable energy sources. <i>Energy Conversion and Management</i> , 2020, 203, 112266.	9.2	131
21	Survey of carbon-13 chemical shifts in aromatic hydrocarbons and its application to coal-derived materials. <i>Analytical Chemistry</i> , 1979, 51, 2189-2198.	6.5	127
22	Molecular structure of coals: A debate. <i>Fuel</i> , 1989, 68, 1091-1106.	6.4	127
23	Oxy-fuel combustion study of biomass fuels in a 20â€kWth fluidized bed combustor. <i>Fuel</i> , 2018, 215, 778-786.	6.4	124
24	Pyrolysis of virgin and waste polypropylene and its mixtures with waste polyethylene and polystyrene. <i>Waste Management</i> , 2004, 24, 173-181.	7.4	120
25	Coals as sorbents for the removal and reduction of hexavalent chromium from aqueous waste streams. <i>Fuel</i> , 2002, 81, 691-698.	6.4	118
26	Influence of Process Variables on Oils from Tire Pyrolysis and Hydropyrolysis in a Swept Fixed Bed Reactor. <i>Energy & Fuels</i> , 2000, 14, 739-744.	5.1	110
27	Composition and properties of starches extracted from tubers of different potato varieties grown under the same environmental conditions. <i>Food Chemistry</i> , 2003, 82, 283-289.	8.2	107
28	Analysis of conjugated steroid androgens: Deconjugation, derivatisation and associated issues. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2009, 49, 1133-1140.	2.8	105
29	Hydropyrolysis of insoluble carbonaceous matter in the Murchison meteorite: new insights into its macromolecular structure 1 Associate editor: G. D. Cody. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 1385-1393.	3.9	104
30	Charcoal reflectance measurements: implications for structural characterization and assessment of diagenetic alteration. <i>Journal of Archaeological Science</i> , 2010, 37, 1590-1599.	2.4	97
31	Release of bound aromatic hydrocarbons from late Archean and Mesoproterozoic kerogens via hydropyrolysis. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 1521-1530.	3.9	95
32	Advances on transition metal oxides catalysts for formaldehyde oxidation: A review. <i>Catalysis Reviews - Science and Engineering</i> , 2017, 59, 189-233.	12.9	93
33	Microwave Pyrolysis of Wood Pellets. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 459-463.	3.7	90
34	Coking and deactivation of a mesoporous Niâ€CaOâ€ZrO2 catalyst in dry reforming of methane: A study under different feeding compositions. <i>Fuel</i> , 2015, 143, 527-535.	6.4	90
35	Experimental study of mercury removal from exhaust gases. <i>Fuel</i> , 2014, 128, 451-457.	6.4	88
36	Solid-State 13C MAS NMR Studies of Hyper-Cross-Linked Polystyrene Resins. <i>Macromolecules</i> , 1996, 29, 6284-6293.	4.8	87

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37	Molecular mass calibration in size-exclusion chromatography of coal derivatives. <i>Fuel</i> , 1984, 63, 1556-1560.	6.4	86
38	Influence of production variables and starting material on charcoal stable isotopic and molecular characteristics. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 6090-6102.	3.9	83
39	$\delta^{13}\text{C}$ values of coal-derived PAHs from different processes and their application to source apportionment. <i>Organic Geochemistry</i> , 1999, 30, 881-889.	1.8	82
40	Activation of carbon nanofibres for hydrogen storage. <i>Carbon</i> , 2006, 44, 1376-1385.	10.3	79
41	Hydropyrolysis as a new tool for radiocarbon pre-treatment and the quantification of black carbon. <i>Quaternary Geochronology</i> , 2009, 4, 140-147.	1.4	79
42	Performance of polyethyleneimine-silica adsorbent for post-combustion CO ₂ capture in a bubbling fluidized bed. <i>Chemical Engineering Journal</i> , 2014, 251, 293-303.	12.7	79
43	Developing hierarchically ultra-micro/mesoporous biocarbons for highly selective carbon dioxide adsorption. <i>Chemical Engineering Journal</i> , 2019, 361, 199-208.	12.7	79
44	Degradation of Lignin in Wheat Straw during Growth of the Oyster Mushroom (<i>Pleurotus ostreatus</i>) Using Off-line Thermochemolysis with Tetramethylammonium Hydroxide and Solid-State ^{13}C NMR. <i>Journal of Agricultural and Food Chemistry</i> , 2001, 49, 2709-2716.	5.2	78
45	Comparison of covalently-bound aliphatic biomarkers released via hydropyrolysis with their solvent-extractable counterparts for a suite of Kimmeridge clays. <i>Organic Geochemistry</i> , 1998, 29, 1487-1505.	1.8	77
46	Preparation and CO ₂ adsorption of diamine modified montmorillonite via exfoliation grafting route. <i>Chemical Engineering Journal</i> , 2013, 215-216, 699-708.	12.7	74
47	Single-pulse excitation carbon-13 NMR measurements on the Argonne premium coal samples. <i>Energy & Fuels</i> , 1992, 6, 598-602.	5.1	73
48	The scope for generating bio-oils with relatively low oxygen contents via hydropyrolysis. <i>Organic Geochemistry</i> , 1999, 30, 1527-1534.	1.8	72
49	Temporal and spatial variation in major ion chemistry and source identification of secondary inorganic aerosols in Northern Zhejiang Province, China. <i>Chemosphere</i> , 2017, 179, 316-330.	8.2	71
50	Compositional differences in biomarker constituents of the hydrocarbon, resin, asphaltene and kerogen fractions: An example from the Jet Rock (Yorkshire, UK). <i>Organic Geochemistry</i> , 2006, 37, 369-383.	1.8	70
51	The Properties of Individual Carbon Residuals and Their Influence on The Deactivation of Ni-Ca-ZrO ₂ Catalysts in CH ₄ Dry Reforming. <i>ChemCatChem</i> , 2014, 6, 640-648.	3.7	69
52	Quantitative Solid State ^{13}C NMR Studies of Highly Cross-Linked Poly(divinylbenzene) Resins. <i>Macromolecules</i> , 1997, 30, 2868-2875.	4.8	68
53	Fixed-bed pyrolysis and hydropyrolysis of sunflower bagasse: Product yields and compositions. <i>Fuel Processing Technology</i> , 1996, 46, 49-62.	7.2	67
54	The flammability of urethane-modified polyisocyanurates and its relationship to thermal degradation chemistry. <i>Polymer</i> , 2001, 42, 913-923.	3.8	67

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55	CO ₂ Capture with Activated Carbon Grafted by Nitrogenous Functional Groups. <i>Energy & Fuels</i> , 2013, 27, 4818-4823.	5.1	67
56	Effect of Process Variables in Catalytic Hydropyrolysis on the Release of Covalently Bound Aliphatic Hydrocarbons from Sedimentary Organic Matter. <i>Energy & Fuels</i> , 1997, 11, 522-531.	5.1	66
57	Scale-up and design of a continuous microwave treatment system for the processing of oil-contaminated drill cuttings. <i>Chemical Engineering Research and Design</i> , 2010, 88, 146-154.	5.6	66
58	Nitrogen-enriched and hierarchically porous carbon macro-spheres – ideal for large-scale CO ₂ capture. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5481-5489.	10.3	66
59	Assessment of hydropyrolysis as a method for the quantification of black carbon using standard reference materials. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 97, 131-147.	3.9	65
60	Spherical potassium intercalated activated carbon beads for pulverised fuel CO ₂ post-combustion capture. <i>Carbon</i> , 2015, 94, 243-255.	10.3	65
61	Quantitative ¹³ C NMR study of structural variations within the vitrinite and inertinite maceral groups for a semifusinite-rich bituminous coal. <i>Fuel</i> , 1998, 77, 805-813.	6.4	64
62	High liquid yields from bituminous coal via hydropyrolysis with dispersed catalysts. <i>Energy & Fuels</i> , 1989, 3, 421-425.	5.1	63
63	monitoring Biomacromolecular degradation of <i>Calluna Vulgaris</i> in a 23year field experiment using solid state ¹³ C-NMR and pyrolysis-GC/MS. <i>Soil Biology and Biochemistry</i> , 1998, 30, 1517-1528.	8.8	63
64	Impact of biomass char on coal char burn-out under air and oxy-fuel conditions. <i>Fuel</i> , 2013, 114, 128-134.	6.4	62
65	Quantitative aspects of solid state ¹³ C n.m.r. of coals and related materials. <i>Fuel</i> , 1983, 62, 999-1002.	6.4	61
66	Use of Compound-Specific Stable Isotope Analysis to Source Anthropogenic Natural Gas-Derived Polycyclic Aromatic Hydrocarbons in a Lagoon Sediment. <i>Environmental Science & Technology</i> , 2000, 34, 4684-4686.	10.0	61
67	Bark decay by the white-rot fungus <i>Lentinula edodes</i> : Polysaccharide loss, lignin resistance and the unmasking of suberin. <i>International Biodeterioration and Biodegradation</i> , 2006, 57, 14-23.	3.9	61
68	Kinetic and thermodynamic evaluation of effective combined promoters for CO ₂ hydrate formation. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 78, 103313.	4.4	61
69	Evidence for the rapid incorporation of hopanoids into kerogen. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 1383-1394.	3.9	60
70	Paraffinic hydrocarbons from supercritical-gas extracts of coal as organic geochemical markers. <i>Nature</i> , 1979, 277, 284-287.	27.8	59
71	Determination of phenolic structures in flax fibre by solid-state ¹³ C NMR. <i>Phytochemistry</i> , 1994, 35, 489-491.	2.9	59
72	Release of kerogen-bound hopanoids by hydropyrolysis. <i>Organic Geochemistry</i> , 1998, 29, 989-1001.	1.8	59

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73	Influence of carrier gas flow and heating rates in fixed bed hydrolysis of coal. <i>Fuel</i> , 1987, 66, 1413-1417.	6.4	58
74	Shale gas reserve evaluation by laboratory pyrolysis and gas holding capacity consistent with field data. <i>Nature Communications</i> , 2019, 10, 3659.	12.8	58
75	Comparison of leaf and stem cell-wall components in barley straw by solid-state ¹³ C NMR. <i>Phytochemistry</i> , 1998, 49, 1191-1194.	2.9	56
76	Hydrolysis: Implications for Radiocarbon Pretreatment and Characterization of Black Carbon. <i>Radiocarbon</i> , 2010, 52, 1336-1350.	1.8	56
77	Cryogenian evolution of stigmasteroid biosynthesis. <i>Science Advances</i> , 2017, 3, e1700887.	10.3	56
78	Stable carbon isotopic characterisation of free and bound lipid constituents of archaeological ceramic vessels released by solvent extraction, alkaline hydrolysis and catalytic hydrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2004, 71, 613-634.	5.5	55
79	Impact of CO ₂ on biomass pyrolysis, nitrogen partitioning, and char combustion in a drop tube furnace. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015, 113, 323-331.	5.5	55
80	Effect of Potassium on the Mechanisms of Biomass Pyrolysis Studied using Complementary Analytical Techniques. <i>ChemSusChem</i> , 2016, 9, 863-872.	6.8	55
81	Biodegradation of Oak (<i>Quercus alba</i>) Wood during Growth of the Shiitake Mushroom (<i>Lentinula</i>) Tj ETQq1 1 0.784314 rgBT/Overlo	5.2	54
82	Development of Mesophase from a Low-Temperature Coal Tar Pitch. <i>Energy & Fuels</i> , 2003, 17, 291-301.	5.1	54
83	Molecular Basis of the Gelatinisation and Swelling Characteristics of Waxy Rice Starches Grown in the Same Location During the Same Season. <i>Journal of Cereal Science</i> , 2003, 37, 363-376.	3.7	53
84	An accurate volumetric differential pressure method for the determination of hydrogen storage capacity at high pressures in carbon materials. <i>Carbon</i> , 2006, 44, 918-927.	10.3	53
85	Development of adsorbent technologies for post-combustion CO ₂ capture. <i>Energy Procedia</i> , 2009, 1, 881-884.	1.8	53
86	In Situ Analysis of Biomass Pyrolysis by High Temperature Rheology in Relations with ¹ H NMR. <i>Energy & Fuels</i> , 2012, 26, 6432-6441.	5.1	53
87	Estimation of the concentration of donatable hydrogen in a coal solvent by n.m.r.. <i>Fuel</i> , 1982, 61, 707-712.	6.4	52
88	Application of quantitative ¹³ C nuclear magnetic resonance spectroscopy to coal-derived materials. <i>Fuel</i> , 1978, 57, 658-662.	6.4	50
89	Determination of nonprotonated aromatic carbon concentrations in coals by single pulse excitation carbon-13 NMR. <i>Energy & Fuels</i> , 1993, 7, 639-644.	5.1	50
90	The potential of bound biomarker profiles released via catalytic hydrolysis to reconstruct basin charging history for oils. <i>Organic Geochemistry</i> , 2004, 35, 1441-1459.	1.8	50

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91	A catalytic hydropyrolysis method for the rapid screening of microbial cultures for lipid biomarkers. <i>Organic Geochemistry</i> , 2005, 36, 63-82.	1.8	50
92	The effect of water pressure on hydrocarbon generation reactions: some inferences from laboratory experiments. <i>Petroleum Geoscience</i> , 2009, 15, 17-26.	1.5	50
93	The efficiency of charcoal decontamination for radiocarbon dating by three pre-treatments " ABOX, ABA and hypy. <i>Quaternary Geochronology</i> , 2014, 22, 25-32.	1.4	50
94	Source apportionment of polycyclic aromatic hydrocarbons in a coastal lagoon by molecular and isotopic characterisation. <i>Marine Chemistry</i> , 2003, 84, 123-135.	2.3	49
95	Trapping hydropyrolysates on silica and their subsequent thermal desorption to facilitate rapid fingerprinting by GC-MS. <i>Organic Geochemistry</i> , 2004, 35, 73-89.	1.8	49
96	Fate of aliphatic groups in low-rank coals during extraction and pyrolysis processes. <i>Fuel</i> , 1985, 64, 1394-1400.	6.4	48
97	Potential of gas chromatography isotope ratio mass spectrometry to source polycyclic aromatic hydrocarbon emissions. <i>Analytical Communications</i> , 1996, 33, 331.	2.2	48
98	Study of biological stabilization processes of cattle and poultry manure by thermogravimetric analysis and ¹³ C NMR. <i>Chemosphere</i> , 2007, 68, 1889-1897.	8.2	48
99	Mechanical degradation of biomass wood pellets during long term stockpile storage. <i>Fuel Processing Technology</i> , 2017, 160, 143-151.	7.2	48
100	Synthesis, characterization and evaluation of activated spherical carbon materials for CO ₂ capture. <i>Fuel</i> , 2013, 113, 854-862.	6.4	47
101	CO ₂ removal potential of carbons prepared by co-pyrolysis of sugar and nitrogen containing compounds. <i>Journal of Analytical and Applied Pyrolysis</i> , 2005, 74, 298-306.	5.5	46
102	Fate of Soil Organic Carbon and Polycyclic Aromatic Hydrocarbons in a Vineyard Soil Treated with Biochar. <i>Environmental Science & Technology</i> , 2015, 49, 11037-11044.	10.0	46
103	The Effect of Biomass on Fluidity Development in Coking Blends Using High-Temperature SAOS Rheometry. <i>Energy & Fuels</i> , 2012, 26, 1767-1775.	5.1	45
104	Estimation of aliphatic H/C ratios for coal liquefaction products by spin-echo ¹³ C n.m.r.. <i>Fuel</i> , 1983, 62, 621-624.	6.4	44
105	Definition of fossil fuel-derived asphaltenes in terms of average structural properties. <i>Fuel</i> , 1984, 63, 883-887.	6.4	44
106	Differences in the mode of incorporation and biogenicity of the principal aliphatic constituents of a Type I oil shale. <i>Organic Geochemistry</i> , 1998, 28, 797-811.	1.8	44
107	Thermal desorption and pyrolysis of oil contaminated drill cuttings by microwave heating. <i>Journal of Analytical and Applied Pyrolysis</i> , 2008, 81, 27-32.	5.5	44
108	The occurrence of unusual hopenes in hydropyrolysates generated from severely biodegraded oil seep asphaltenes. <i>Organic Geochemistry</i> , 2008, 39, 1243-1248.	1.8	44

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109	Developing activated carbon adsorbents for pre-combustion CO ₂ capture. <i>Energy Procedia</i> , 2009, 1, 599-605.	1.8	44
110	Changes in mechanical properties of wood pellets during artificial degradation in a laboratory environment. <i>Fuel Processing Technology</i> , 2016, 148, 395-402.	7.2	44
111	Identification of straight-chain fatty acids in coal extracts and their geochemical relation with straight-chain alkanes. <i>Fuel</i> , 1981, 60, 903-908.	6.4	43
112	Changes in Molecular Biomarker and Bulk Carbon Skeletal Parameters of Vitrinite Concentrates as a Function of Rank. <i>Energy & Fuels</i> , 1996, 10, 149-157.	5.1	43
113	Quantitative solid-state ¹³ C n.m.r. measurements on cokes, chars and coal tar pitch fractions. <i>Fuel</i> , 1996, 75, 1721-1726.	6.4	43
114	Release of bound aliphatic biomarkers via hydropyrolysis from Type II kerogen at high maturity. <i>Organic Geochemistry</i> , 2008, 39, 1119-1124.	1.8	43
115	Comparison of Rice Husk and Wheat Straw: From Slow and Fast Pyrolysis to Char Combustion. <i>Energy & Fuels</i> , 2013, 27, 7115-7125.	5.1	43
116	Aerosol composition and sources during high and low pollution periods in Ningbo, China. <i>Atmospheric Research</i> , 2016, 178-179, 559-569.	4.1	43
117	The copyrolysis of poly(vinylchloride) with cellulose derived materials as a model for municipal waste derived chars. <i>Fuel</i> , 1995, 74, 28-31.	6.4	42
118	Comparison of the Combustion Reactivity of TGA and Drop Tube Furnace Chars from a Bituminous Coal. <i>Energy & Fuels</i> , 2009, 23, 4269-4277.	5.1	42
119	Molecular Simulation Study on Methane Adsorption Capacity and Mechanism in Clay Minerals: Effect of Clay Type, Pressure, and Water Saturation in Shales. <i>Energy & Fuels</i> , 2019, 33, 765-778.	5.1	42
120	Determination of organic sulfur forms in some coals and kerogens by high pressure temperature-programmed reduction. <i>Fuel</i> , 1994, 73, 1159-1166.	6.4	41
121	In-Situ ¹ H NMR Investigation of Particle Size, Mild Oxidation, and Heating Regime Effects on Plasticity Development during Coal Carbonization. <i>Energy & Fuels</i> , 1997, 11, 236-244.	5.1	41
122	Molecular basis of the gelatinisation and swelling characteristics of waxy barley starches grown in the same location during the same season. Part II. Crystallinity and gelatinisation characteristics. <i>Journal of Cereal Science</i> , 2004, 39, 57-66.	3.7	41
123	Geochemistry and petrology of palaeocene coals from Spitzbergen – Part 2: Maturity variations and implications for local and regional burial models. <i>International Journal of Coal Geology</i> , 2015, 143, 1-10.	5.0	41
124	Surface-modified spherical activated carbon materials for pre-combustion carbon dioxide capture. <i>RSC Advances</i> , 2015, 5, 33681-33690.	3.6	41
125	Use of compound-specific ¹³ C and ² D stable isotope measurements as an aid in the source apportionment of polyaromatic hydrocarbons. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 2611-2613.	1.5	40
126	Decay of cultivated apricot wood (<i>Prunus armeniaca</i>) by the ascomycete <i>Hypocrea sulphurea</i> , using solid state ¹³ C NMR and off-line TMAH thermochemolysis with GC-MS. <i>International Biodeterioration and Biodegradation</i> , 2005, 55, 175-185.	3.9	40

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127	Kerogen-bound glycerol dialkyl tetraether lipids released by hydrolysis of marine sediments: A bias against incorporation of sedimentary organisms?. <i>Organic Geochemistry</i> , 2008, 39, 1359-1371.	1.8	40
128	Influence of oxidation upon the CO ₂ capture performance of a phenolic-resin-derived carbon. <i>Fuel Processing Technology</i> , 2013, 110, 53-60.	7.2	40
129	The impact of hydrothermal carbonisation on the char reactivity of biomass. <i>Fuel Processing Technology</i> , 2018, 177, 152-158.	7.2	40
130	Estimation of oxygen group concentrations in coal extracts by nuclear magnetic resonance spectrometry. <i>Analytical Chemistry</i> , 1982, 54, 20-25.	6.5	39
131	Investigation of organic sulphur forms in coals by high pressure temperature-programmed reduction. <i>Fuel</i> , 1993, 72, 367-371.	6.4	39
132	High capacity co-precipitated manganese oxides sorbents for oxidative mercury capture. <i>Fuel</i> , 2013, 109, 559-562.	6.4	39
133	Assignment of aliphatic carbon peaks in the ¹³ C n.m.r. spectra of coal liquefaction products. <i>Fuel</i> , 1982, 61, 775-777.	6.4	38
134	Silica-Immobilized Sulfur Compounds as Solid Calibrants for Temperature-Programmed Reduction and Probes for the Thermal Behavior of Organic Sulfur Forms in Fossil Fuels. <i>Energy & Fuels</i> , 1995, 9, 707-716.	5.1	38
135	Structural characterisation of catalytic coke by solid-state ¹³ C-NMR spectroscopy. <i>Catalysis Today</i> , 1997, 37, 285-293.	4.4	37
136	Development of Low-Cost Functional Adsorbents for Control of Mercury (Hg) Emissions from Coal Combustion. <i>Energy & Fuels</i> , 2013, 27, 3875-3882.	5.1	37
137	A new sustainable route in supercritical CO ₂ to functionalize silica SBA-15 with 3-aminopropyltrimethoxysilane as material for carbon capture. <i>Chemical Engineering Journal</i> , 2015, 264, 886-898.	12.7	37
138	Evaluating the effect of biochar addition on the anaerobic digestion of swine manure: application of Py-GC/MS. <i>Environmental Science and Pollution Research</i> , 2018, 25, 25600-25611.	5.3	37
139	Relationship between carbon aromaticities and HC ratios for bituminous coals. <i>Fuel</i> , 1994, 73, 1926-1928.	6.4	36
140	High pressure water pyrolysis of coal to evaluate the role of pressure on hydrocarbon generation and source rock maturation at high maturities under geological conditions. <i>Organic Geochemistry</i> , 2015, 78, 44-51.	1.8	36
141	Potassium and Zeolitic Structure Modified Ultra-microporous Adsorbent Materials from a Renewable Feedstock with Favorable Surface Chemistry for CO ₂ Capture. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 26826-26839.	8.0	36
142	Characterization of Partially Carbonized Coals by Solid-State ¹³ C NMR and Optical Microscopy. <i>Energy & Fuels</i> , 1998, 12, 833-842.	5.1	35
143	TGA and Drop Tube Furnace Investigation of Alkali and Alkaline Earth Metal Compounds as Coal Combustion Additives. <i>Energy & Fuels</i> , 2012, 26, 1531-1539.	5.1	35
144	The chemical nature of asphaltenes from some coal liquefaction processes. <i>Fuel Processing Technology</i> , 1984, 8, 155-168.	7.2	34

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145	Variations in the stable isotope ratios of specific aromatic and aliphatic hydrocarbons from coal conversion processes. <i>Analyst, The</i> , 1998, 123, 1519-1523.	3.5	34
146	The structure and reactivity of density separated coal fractions. <i>Fuel</i> , 1999, 78, 1639-1644.	6.4	34
147	Treatment of Oil-Contaminated Drill Cuttings by Microwave Heating in a High-Power Single-Mode Cavity. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 6837-6844.	3.7	34
148	Ni Mg Mixed Metal Oxides for p-Type Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 24556-24565.	8.0	34
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