

# Colin P Snape

## List of Publications by Year in descending order

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360  
papers

14,772  
citations

19657

61  
h-index

34986

98  
g-index

364  
all docs

364  
docs citations

364  
times ranked

13133  
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of the effect of ceria on the activity and selectivity of Co and Ce co-doped birnessite manganese oxide for formaldehyde oxidation. <i>Journal of Hazardous Materials</i> , 2022, 424, 127583.	12.4	25
2	The effect of oil extraction on porosity and methane adsorption for dry and moisture-equilibrated shales. <i>Fuel</i> , 2022, 316, 123304.	6.4	3
3	Molecular Formula Prediction for Chemical Filtering of 3D OrbiSIMS Datasets. <i>Analytical Chemistry</i> , 2022, 94, 4703-4711.	6.5	6
4	Heavy Metal Removal from Aqueous Solutions Using Fly-Ash Derived Zeolite NaP1. <i>International Journal of Environmental Research</i> , 2022, 16, 1.	2.3	18
5	Renewable binders from waste biomass for road construction: A review on thermochemical conversion technologies and current developments. <i>Construction and Building Materials</i> , 2022, 330, 127076.	7.2	15
6	Should IQOS Emissions Be Considered as Smoke and Harmful to Health? A Review of the Chemical Evidence. <i>ACS Omega</i> , 2022, 7, 22111-22124.	3.5	14
7	Effect of process variables on producing biocoals by hydrothermal carbonisation of pine Kraft lignin at low temperatures. <i>Fuel</i> , 2022, 325, 124784.	6.4	11
8	Synergistic effect in co-processing a residue from a transesterification process with vacuum gas oil in fluid catalytic cracking. <i>Fuel</i> , 2022, 327, 124973.	6.4	2
9	Performance of a silica-polyethyleneimine adsorbent for post-combustion CO <sub>2</sub> capture on a 100 kg scale in a fluidized bed continuous unit. <i>Chemical Engineering Journal</i> , 2021, 407, 127209.	12.7	7
10	It's the product not the polymer: Rethinking plastic pollution. <i>Wiley Interdisciplinary Reviews: Water</i> , 2021, 8, e1490.	6.5	21
11	Comparison of the impact of moisture on methane adsorption and nanoporosity for over mature shales and their kerogens. <i>International Journal of Coal Geology</i> , 2021, 237, 103705.	5.0	14
12	Formation of bitumen in the Elgin-Franklin complex, Central Graben, North Sea: implications for hydrocarbon charging. <i>Geological Society Special Publication</i> , 2020, 484, 139-163.	1.3	6
13	Pore structural evolution of shale following thermochemical treatment. <i>Marine and Petroleum Geology</i> , 2020, 112, 104058.	3.3	16
14	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
15	Low-temperature formaldehyde oxidation over manganese oxide catalysts: Potassium mediated lattice oxygen mobility. <i>Molecular Catalysis</i> , 2020, 497, 111204.	2.0	20
16	Opposite Effects of Co and Cu Dopants on the Catalytic Activities of Birnessite MnO <sub>2</sub> Catalyst for Low-Temperature Formaldehyde Oxidation. <i>Journal of Physical Chemistry C</i> , 2020, 124, 26320-26331.	3.1	21
17	Design and development of 3D hierarchical ultra-microporous CO <sub>2</sub> -sieving carbon architectures for potential flow-through CO <sub>2</sub> capture at typical practical flue gas temperatures. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17025-17035.	10.3	17
18	Converting brown coal to synthetic liquid fuels through direct coal liquefaction technology: Techno-economic evaluation. <i>International Journal of Energy Research</i> , 2020, 44, 11827-11839.	4.5	8

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19	Low dimensional nanostructures of fast ion conducting lithium nitride. Nature Communications, 2020, 11, 4492.	12.8	19
20	Synthesis of functionalized 3D microporous carbon foams for selective CO2 capture. Chemical Engineering Journal, 2020, 402, 125459.	12.7	20
21	Progress in the CO2 Capture Technologies for Fluid Catalytic Cracking (FCC) Units—A Review. Frontiers in Energy Research, 2020, 8, .	2.3	20
22	Demonstrating the applicability of chemical looping combustion for the regeneration of fluid catalytic cracking catalysts. Chemical Engineering Journal, 2020, 389, 124492.	12.7	19
23	Cyclic performance evaluation of a polyethylenimine/silica adsorbent with steam regeneration using simulated NGCC flue gas and actual flue gas of a gas-fired boiler in a bubbling fluidized bed reactor. International Journal of Greenhouse Gas Control, 2020, 95, 102975.	4.6	6
24	Coal and waste direct liquefaction, using glycerol, polyethylene waste and waste tyres pyrolysis oil. Optimisation of liquids yield by response surface methodology. Journal of Cleaner Production, 2020, 255, 120192.	9.3	15
25	Recent Advances in the Analysis of GDI and Diesel Fuel Injector Deposits. Fuel, 2020, 272, 117682.	6.4	15
26	Kinetic and thermodynamic evaluation of effective combined promoters for CO2 hydrate formation. Journal of Natural Gas Science and Engineering, 2020, 78, 103313.	4.4	61
27	Comparative study of the inherent combustion reactivity of sawdust chars produced by TGA and in the drop tube furnace. Fuel Processing Technology, 2020, 201, 106361.	7.2	20
28	Spatially Resolved Molecular Compositions of Insoluble Multilayer Deposits Responsible for Increased Pollution from Internal Combustion Engines. ACS Applied Materials & Interfaces, 2020, 12, 51026-51035.	8.0	9
29	Shale gas reserve evaluation by laboratory pyrolysis and gas holding capacity consistent with field data. Nature Communications, 2019, 10, 3659.	12.8	58
30	Thermal Cracking of Oil under Water Pressure up to 900 Bar at High Thermal Maturities: 2. Insight from Light Hydrocarbon Generation and Carbon Isotope Fractionation. Energy & Fuels, 2019, 33, 9546-9558.	5.1	10
31	Reduced Graphene Oxide-NiO Photocathodes for p-Type Dye-Sensitized Solar Cells. ACS Applied Energy Materials, 2019, 2, 7345-7353.	5.1	15
32	Evaluation of demineralized lignin and lignin-phenolic resin blends to produce biocoke suitable for blast furnace operation. Fuel, 2019, 258, 116125.	6.4	17
33	Continuous testing of silica-PEI adsorbents in a lab.-scale twin bubbling fluidized-bed system. International Journal of Greenhouse Gas Control, 2019, 82, 184-191.	4.6	19
34	Selective low temperature chemical looping combustion of higher alkanes with Cu- and Mn- oxides. Energy, 2019, 173, 658-666.	8.8	22
35	A novel approach to CO2 capture in Fluid Catalytic Cracking—Chemical Looping Combustion. Fuel, 2019, 244, 140-150.	6.4	32
36	Developing hierarchically ultra-micro/mesoporous biocarbons for highly selective carbon dioxide adsorption. Chemical Engineering Journal, 2019, 361, 199-208.	12.7	79

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37	Molecular Simulation Study on Methane Adsorption Capacity and Mechanism in Clay Minerals: Effect of Clay Type, Pressure, and Water Saturation in Shales. <i>Energy &amp; Fuels</i> , 2019, 33, 765-778.	5.1	42
38	Understanding the unusual fluidity characteristics of high ash Indian bituminous coals. <i>Fuel Processing Technology</i> , 2018, 176, 258-266.	7.2	5
39	High Density and Super Ultra-Microporous Activated Carbon Macrospheres with High Volumetric Capacity for CO <sub>2</sub> Capture. <i>Advanced Sustainable Systems</i> , 2018, 2, 1700115.	5.3	30
40	Oxy-fuel combustion study of biomass fuels in a 20-kWth fluidized bed combustor. <i>Fuel</i> , 2018, 215, 778-786.	6.4	124
41	The impact of hydrothermal carbonisation on the char reactivity of biomass. <i>Fuel Processing Technology</i> , 2018, 177, 152-158.	7.2	40
42	Correlating ultrasonic impulse and addition of ZnO promoter with CO <sub>2</sub> conversion and methanol selectivity of CuO/ZrO <sub>2</sub> catalysts. <i>Ultrasonics Sonochemistry</i> , 2018, 42, 48-56.	8.2	20
43	Simultaneous measurement of multiple organic tracers in fine aerosols from biomass burning and fungal spores by HPLC-MS/MS. <i>RSC Advances</i> , 2018, 8, 34136-34150.	3.6	6
44	Methane transport in agricultural soil after injection of isotopically-enriched methane in the sub-surface. <i>Scientific Data</i> , 2018, 5, 180208.	5.3	1
45	Importance of Biomass and Binder Selection for Coking Briquette Preparation. Their Effect on Coal Thermoplastic Properties. <i>Energy &amp; Fuels</i> , 2018, 32, 10727-10736.	5.1	17
46	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
47	Dynamics of Charcoal Alteration in a Tropical Biome: A Biochar-Based Study. <i>Frontiers in Earth Science</i> , 2018, 6, .	1.8	9
48	Direct primary brown coal liquefaction via non-catalytic and catalytic co-processing with model, waste and petroleum-derived hydrogen donors. <i>Fuel</i> , 2018, 234, 364-370.	6.4	22
49	Prediction of bubble fluidisation during chemical looping combustion using CFD simulation. <i>Computers and Chemical Engineering</i> , 2017, 99, 82-95.	3.8	22
50	Increased charcoal yield and production of lighter oils from the slow pyrolysis of biomass. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 124, 536-541.	5.5	32
51	Mechanical degradation of biomass wood pellets during long term stockpile storage. <i>Fuel Processing Technology</i> , 2017, 160, 143-151.	7.2	48
52	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
53	An Improved Form of Shrinking Core Model for Prediction of the Conversion during Reduction Process in Chemical Looping Combustion. <i>Energy &amp; Fuels</i> , 2017, 31, 1993-2006.	5.1	10
54	Process simulations of post-combustion CO <sub>2</sub> capture for coal and natural gas-fired power plants using a polyethyleneimine/silica adsorbent. <i>International Journal of Greenhouse Gas Control</i> , 2017, 58, 276-289.	4.6	34

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55	Cryogenian evolution of stigmasteroid biosynthesis. <i>Science Advances</i> , 2017, 3, e1700887.	10.3	56
56	CO <sub>2</sub> Sorption Characteristics of Various Sorbents in the Bubbling Fluidized-Bed. <i>Energy Procedia</i> , 2017, 114, 2336-2340.	1.8	0
57	Improving spatial predictability of petroleum resources within the Central Tertiary Basin, Spitsbergen: A geochemical and petrographic study of coals from the eastern and western coalfields. <i>International Journal of Coal Geology</i> , 2017, 179, 278-294.	5.0	10
58	Dynamic modelling of fluidisation in gas-solid bubbling fluidised beds. <i>Powder Technology</i> , 2017, 322, 461-470.	4.2	8
59	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
60	Potassium and Zeolitic Structure Modified Ultra-microporous Adsorbent Materials from a Renewable Feedstock with Favorable Surface Chemistry for CO <sub>2</sub> Capture. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 26826-26839.	8.0	36
61	Evaluation of hydrochars from lignin hydrous pyrolysis to produce biocokes after carbonization. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 124, 742-751.	5.5	21
62	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
63	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
64	Pyrolysis oil upgrading in high conversions using sub- and supercritical water above 400 Å°C. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 119, 180-188.	5.5	10
65	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
66	Retardation of oil cracking to gas and pressure induced combination reactions to account for viscous oil in deep petroleum basins: Evidence from oil and n-hexadecane pyrolysis at water pressures up to 900 bar. <i>Organic Geochemistry</i> , 2016, 97, 61-73.	1.8	19
67	Molecular characterization of the thermally labile fraction of biochar by hydrolysis and pyrolysis-GC/MS. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 121, 230-239.	5.5	32
68	Effect of Potassium on the Mechanisms of Biomass Pyrolysis Studied using Complementary Analytical Techniques. <i>ChemSusChem</i> , 2016, 9, 863-872.	6.8	55
69	Thermal Cracking of Oil under Water Pressure up to 900 bar at High Thermal Maturities. 1. Gas Compositions and Carbon Isotopes. <i>Energy &amp; Fuels</i> , 2016, 30, 2617-2627.	5.1	10
70	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
71	Experimental Evaluation of a Chinese Sulfur-Containing Lean Iron Ore as the Oxygen Carrier for Chemical-Looping Combustion. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 428-435.	3.7	11
72	Impact of high water pressure on oil generation and maturation in Kimmeridge Clay and Monterey source rocks: Implications for petroleum retention and gas generation in shale gas systems. <i>Marine and Petroleum Geology</i> , 2016, 73, 72-85.	3.3	33

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73	Investigation of the Fluid Behavior of Asphaltenes and Toluene Insolubles by High-Temperature Proton Nuclear Magnetic Resonance and Rheometry and Their Application to Visbreaking. <i>Energy &amp; Fuels</i> , 2016, 30, 2012-2020.	5.1	3
74	Multiple Cosmic Sources for Meteorite Macromolecules?. <i>Astrobiology</i> , 2015, 15, 779-786.	3.0	5
75	Impact of solvent type and condition on biomass liquefaction to produce heavy oils in high yield with low oxygen contents. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015, 113, 340-348.	5.5	20
76	Impact of CO <sub>2</sub> 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
77	High conversions of miscanthus using sub- and supercritical water above 400Å°C. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015, 113, 646-654.	5.5	14
78	Geochemistry and petrology of Palaeocene coals from Spitsbergen â€” Part 1: Oil potential and depositional environment. <i>International Journal of Coal Geology</i> , 2015, 143, 22-33.	5.0	19
79	Carbon Dioxide Separation from Nitrogen/Hydrogen Mixtures over Activated Carbon Beads: Adsorption Isotherms and Breakthrough Studies. <i>Energy &amp; Fuels</i> , 2015, 29, 3796-3807.	5.1	27
80	Spherical potassium intercalated activated carbon beads for pulverised fuel CO <sub>2</sub> post-combustion capture. <i>Carbon</i> , 2015, 94, 243-255.	10.3	65
81	Geochemistry and petrology of palaeocene coals from Spitzbergen â€” 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
82	Surface-modified spherical activated carbon materials for pre-combustion carbon dioxide capture. <i>RSC Advances</i> , 2015, 5, 33681-33690.	3.6	41
83	Ni Mg Mixed Metal Oxides for p-Type Dye-Sensitized Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 24556-24565.	8.0	34
84	Fate of Soil Organic Carbon and Polycyclic Aromatic Hydrocarbons in a Vineyard Soil Treated with Biochar. <i>Environmental Science &amp; Technology</i> , 2015, 49, 11037-11044.	10.0	46
85	Radiocarbon dating of charcoal from the Bianjiashan site in Hangzhou: New evidence for the lower age limit of the Liangzhu Culture. <i>Quaternary Geochronology</i> , 2015, 30, 9-17.	1.4	12
86	Utilization of Carbonaceous Materials To Restore the Coking Properties of Weathered Coals. <i>Energy &amp; Fuels</i> , 2015, 29, 5744-5749.	5.1	16
87	Coking and deactivation of a mesoporous Niâ€“CaOâ€“ZrO <sub>2</sub> catalyst in dry reforming of methane: A study under different feeding compositions. <i>Fuel</i> , 2015, 143, 527-535.	6.4	90
88	A new sustainable route in supercritical CO <sub>2</sub> 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
89	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
90	Prediction of formation of gas-phase bubbles correlated by vortices in the fuel reactor of chemical looping combustion. <i>Fuel Processing Technology</i> , 2015, 130, 235-244.	7.2	6

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91	Information on the Aromatic Structure of Internal Diesel Injector Deposits From Time of Flight Secondary Ion Mass Spectrometry (ToF-SIMS). , 2014, , .		14
92	OxyCAP UK: Oxyfuel Combustion - academic Programme for the UK. Energy Procedia, 2014, 63, 504-510.	1.8	1
93	Influence of thermoplastic properties on coking pressure generation: Part IV â€“ Further evidence of the role of bubble coalescence in the mechanism for pressure generation. Fuel, 2014, 129, 102-110.	6.4	12
94	Performance of polyethyleneimineâ€“silica adsorbent for post-combustion CO <sub>2</sub> capture in a bubbling fluidized bed. Chemical Engineering Journal, 2014, 251, 293-303.	12.7	79
95	Nitrogen-enriched and hierarchically porous carbon macro-spheres â€“ ideal for large-scale CO <sub>2</sub> capture. Journal of Materials Chemistry A, 2014, 2, 5481-5489.	10.3	66
96	The Properties of Individual Carbon Residuals and Their Influence on The Deactivation of Niâ€“CaOâ€“ZrO <sub>2</sub> Catalysts in CH <sub>4</sub> Dry Reforming. ChemCatChem, 2014, 6, 640-648.	3.7	69
97	Quantifying <sup>12</sup> / <sup>13</sup> C migration and fate following sub-surface release to an agricultural soil. Journal of Environmental Radioactivity, 2014, 133, 18-23.	1.7	4
98	The efficiency of charcoal decontamination for radiocarbon dating by three pre-treatments â€“ ABOX, ABA and hypy. Quaternary Geochronology, 2014, 22, 25-32.	1.4	50
99	Experimental study of mercury removal from exhaust gases. Fuel, 2014, 128, 451-457.	6.4	88
100	Swellable, Water- and Acid-Tolerant Polymer Sponges for Chemoselective Carbon Dioxide Capture. Journal of the American Chemical Society, 2014, 136, 9028-9035.	13.7	201
101	Capturing CO <sub>2</sub> from ambient air using a polyethyleneimineâ€“silica adsorbent in fluidized beds. Chemical Engineering Science, 2014, 116, 306-316.	3.8	136
102	Development of Low-Cost Functional Adsorbents for Control of Mercury (Hg) Emissions from Coal Combustion. Energy & Fuels, 2013, 27, 3875-3882.	5.1	37
103	Preparation and CO <sub>2</sub> adsorption of diamine modified montmorillonite via exfoliation grafting route. Chemical Engineering Journal, 2013, 215-216, 699-708.	12.7	74
104	Direct evidence from hydrolysis for the retention of long alkyl moieties in black carbon fractions isolated by acidified dichromate oxidation. Journal of Analytical and Applied Pyrolysis, 2013, 103, 232-239.	5.5	13
105	Impact of biomass char on coal char burn-out under air and oxy-fuel conditions. Fuel, 2013, 114, 128-134.	6.4	62
106	CO <sub>2</sub> Capture with Activated Carbon Grafted by Nitrogenous Functional Groups. Energy & Fuels, 2013, 27, 4818-4823.	5.1	67
107	Comparison of Rice Husk and Wheat Straw: From Slow and Fast Pyrolysis to Char Combustion. Energy & Fuels, 2013, 27, 7115-7125.	5.1	43
108	High capacity co-precipitated manganese oxides sorbents for oxidative mercury capture. Fuel, 2013, 109, 559-562.	6.4	39

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109	Developing National CCS Capacity and Advanced Skills: Examples from the UK. <i>Energy Procedia</i> , 2013, 37, 7281-7290.	1.8	0
110	An investigation into the effect of fast heating on fluidity development and coke quality for blends of coal and biomass. <i>Biomass and Bioenergy</i> , 2013, 56, 295-306.	5.7	29
111	A hydrous pyrolysis study to ascertain how gas yields and the extent of maturation for a partially matured source rock and bitumen in isolation compared to their whole source rock. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013, 103, 268-277.	5.5	17
112	Synthesis, characterization and evaluation of activated spherical carbon materials for CO <sub>2</sub> capture. <i>Fuel</i> , 2013, 113, 854-862.	6.4	47
113	Influence of oxidation upon the CO <sub>2</sub> capture performance of a phenolic-resin-derived carbon. <i>Fuel Processing Technology</i> , 2013, 110, 53-60.	7.2	40
114	Degradation of mangrove tissues by arboreal termites ( <i>Nasutitermes acajutlae</i> ) and their role in the mangrove C cycle (Puerto Rico): Chemical characterization and organic matter provenance using bulk <sup>13</sup> C, C/N, alkaline CuO oxidation-CC/MS, and solid-state <sup>13</sup> C NMR. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 3176-3191.	2.5	23
115	Degradation of biomass fuels during artificial storage in a laboratory environment. <i>International Journal of Low-Carbon Technologies</i> , 2012, 7, 113-119.	2.6	6
116	Migration and fate of <sup>14</sup> CH <sub>4</sub> in subsoil: tracer experiments to inform model development. <i>Mineralogical Magazine</i> , 2012, 76, 3345-3354.	1.4	5
117	The Effect of Biomass on Fluidity Development in Coking Blends Using High-Temperature SAOS Rheometry. <i>Energy &amp; Fuels</i> , 2012, 26, 1767-1775.	5.1	45
118	In Situ Analysis of Biomass Pyrolysis by High Temperature Rheology in Relations with <sup>1</sup> H NMR. <i>Energy &amp; Fuels</i> , 2012, 26, 6432-6441.	5.1	53
119	TGA and Drop Tube Furnace Investigation of Alkali and Alkaline Earth Metal Compounds as Coal Combustion Additives. <i>Energy &amp; Fuels</i> , 2012, 26, 1531-1539.	5.1	35
120	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
121	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
122	Assessment of hydrolysis 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
123	A laboratory pyrolysis study to investigate the effect of water pressure on hydrocarbon generation and maturation of coals in geological basins. <i>Organic Geochemistry</i> , 2012, 52, 103-113.	1.8	32
124	The Origin of Molecular Mobility During Biomass Pyrolysis as Revealed by In-situ <sup>1</sup> H NMR Spectroscopy. <i>ChemSusChem</i> , 2012, 5, 1258-1265.	6.8	30
125	Preparation and CO <sub>2</sub> adsorption of amine modified layered double hydroxide via anionic surfactant-mediated route. <i>Chemical Engineering Journal</i> , 2012, 181-182, 267-275.	12.7	20
126	Evaluating the Combustion Reactivity of Drop Tube Furnace and Thermogravimetric Analysis Coal Chars with a Selection of Metal Additives. <i>Energy &amp; Fuels</i> , 2011, 25, 981-989.	5.1	17



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127	The significance of 24-norcholestanes, 4-methylsteranes and dinosteranes in oils and source-rocks from East Sirte Basin (Libya). <i>Applied Geochemistry</i> , 2011, 26, 1694-1705.	3.0	16
128	Physico-chemical properties of potato starches. <i>Food Chemistry</i> , 2011, 125, 958-965.	8.2	167
129	Comparison of microscale sealed vessel pyrolysis (MSSVpy) and hydrolypyrolysis (Hypy) for the characterisation of extant and sedimentary organic matter. <i>Journal of Analytical and Applied Pyrolysis</i> , 2010, 87, 108-116.	5.5	20
130	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
131	Hydrolypyrolysis over a platinum catalyst as a preparative technique for the compound-specific carbon isotope ratio measurement of C <sub>27</sub> steroids. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 501-505.	1.5	7
132	Hydrolypyrolysis: Implications for Radiocarbon Pretreatment and Characterization of Black Carbon. <i>Radiocarbon</i> , 2010, 52, 1336-1350.	1.8	56
133	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
134	Microwave Pyrolysis of Wood Pellets. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 459-463.	3.7	90
135	Microwave Treatment of Oil-Contaminated Drill Cuttings at Pilot Scale. <i>SPE Drilling and Completion</i> , 2009, 24, 430-435.	1.6	4
136	Geochemical characterisation of heavily biodegraded tar sand bitumens by catalytic hydrolypyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2009, 86, 135-140.	5.5	24
137	Conjugated steroids: analytical approaches and applications. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 453-458.	3.7	33
138	Fossil steroids record the appearance of Demospongiae during the Cryogenian period. <i>Nature</i> , 2009, 457, 718-721.	27.8	611
139	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
140	Developing activated carbon adsorbents for pre-combustion CO <sub>2</sub> capture. <i>Energy Procedia</i> , 2009, 1, 599-605.	1.8	44
141	Templated polymeric materials as adsorbents for the postcombustion capture of CO <sub>2</sub> . <i>Energy Procedia</i> , 2009, 1, 869-874.	1.8	12
142	Developing strategies for the regeneration of polyethylenimine based CO <sub>2</sub> adsorbents. <i>Energy Procedia</i> , 2009, 1, 875-880.	1.8	26
143	Development of adsorbent technologies for post-combustion CO <sub>2</sub> capture. <i>Energy Procedia</i> , 2009, 1, 881-884.	1.8	53
144	Evaluation of Activated Carbon Adsorbents for CO <sub>2</sub> Capture in Gasification. <i>Energy &amp; Fuels</i> , 2009, 23, 2790-2796.	5.1	166

#	ARTICLE	IF	CITATIONS
145	Comparison of Mercury Retention by Fly Ashes Using Different Experimental Devices. <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 10702-10707.	3.7	1
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