Terry F Wall

List of Publications by Citations

172 papers	9,766 citations	51 h-index	94 g-index
179 ext. papers	10,469 ext. citations	6.4 avg, IF	6.12 L-index

#	Paper	IF	Citations
172	Oxy-fuel combustion technology for coal-fired power generation. *Progress in Energy and Combustion Science*, **2005**, 31, 283-307	33.6	1163
171	An overview on oxyfuel coal combustion□tate of the art research and technology development. *Chemical Engineering Research and Design*, **2009**, 87, 1003-1016	5.5	646
170	Combustion processes for carbon capture. *Proceedings of the Combustion Institute*, **2007**, 31, 31-47	5.9	466
169	Influence of pyrolysis conditions on the structure and gasification reactivity of biomass chars. *Fuel*, **2004**, 83, 2139-2150	7.1	366
168	Formation of the structure of chars during devolatilization of pulverized coal and its thermoproperties: A review. *Progress in Energy and Combustion Science*, **2007**, 33, 135-170	33.6	298
167	Characterising ash of biomass and waste. *Fuel Processing Technology*, **2007**, 88, 1071-1081	7.2	272
166	Oxyfuel combustion for CO2 capture in power plants. *International Journal of Greenhouse Gas Control*, **2015**, 40, 55-125	4.2	262
165	Differences in reactivity of pulverised coal in air (O2/N2) and oxy-fuel (O2/CO2) conditions. *Fuel Processing Technology*, **2009**, 90, 797-802	7.2	230
164	The effects of pressure on coal reactions during pulverised coal combustion and gasification. *Progress in Energy and Combustion Science*, **2002**, 28, 405-433	33.6	219
163	A char morphology system with applications to coal combustion. *Fuel*, **1990**, 69, 225-239	7.1	168
162	Sulphur impacts during pulverised coal combustion in oxy-fuel technology for carbon capture and storage. *Progress in Energy and Combustion Science*, **2011**, 37, 69-88	33.6	157
161	An Empirical Method for the Prediction of Coal Ash Slag Viscosity. *Energy & Fuels*, **2003**, 17, 731-737	4.1	129
160	Pyrolytic characteristics of blended coal and woody biomass. *Fuel*, **2004**, 83, 745-750	7.1	126
159	Characteristics of Chars from Low-Temperature Pyrolysis of Lignite. *Energy & Fuels*, **2014**, 28, 275-284	4.1	115
158	Factors influencing the ignition of flames from air-fired swirl pf burners retrofitted to oxy-fuel. *Fuel* , **2008**, 87, 1042-1049	7.1	110
157	Assessing slagging and fouling during biomass combustion: A thermodynamic approach allowing for alkali/ash reactions. *Fuel Processing Technology*, **2007**, 88, 1044-1052	7.2	106
156	Ash Formation Mechanisms during pf Combustion in Reducing Conditions. *Energy & Fuels*, **2000** , 14, 150-159	4.1	102

155	Thermal conductivity of coal ash and slags and models used. *Fuel*, **2000**, 79, 1697-1710	7.1	100
154	The porous structure of bituminous coal chars and its influence on combustion and gasification under chemically controlled conditions. *Fuel*, **2000**, 79, 617-626	7.1	99
153	Selection of Suitable Oxygen Carriers for Chemical Looping Air Separation: A Thermodynamic Approach. *Energy & Fuels*, **2012**, 26, 2038-2045	4.1	98
152	Fine ash formation during combustion of pulverised coal□oal property impacts. *Fuel*, **2006**, 85, 185-193	7.1	97
151	Submicron ash formation from coal combustion. *Fuel*, **2005**, 84, 1206-1214	7.1	92
150	On the Effects of High Pressure and Heating Rate during Coal Pyrolysis on Char Gasification Reactivity. *Energy & Fuels*, **2003**, 17, 887-895	4.1	88
149	Pyrolysis and Combustion Characteristics of an Indonesian Low-Rank Coal under O2/N2 and O2/CO2 Conditions□*Energy & Fuels*, **2010**, 24, 160-164	4.1	86
148	The properties and thermal effects of ash deposits in coal-fired furnaces. *Progress in Energy and Combustion Science*, **1993**, 19, 487-504	33.6	86
147	Demonstrations of coal-fired oxy-fuel technology for carbon capture and storage and issues with commercial deployment. *International Journal of Greenhouse Gas Control*, **2011**, 5, S5-S15	4.2	85
146	Ignition of coal particles: the influence of experimental technique. *Fuel*, **1994**, 73, 1114-1119	7.1	77
145	High-Temperature Conversion of SO2 to SO3: Homogeneous Experiments and Catalytic Effect of Fly Ash from Air and Oxy-fuel Firing. *Energy & Fuels*, **2014**, 28, 7243-7251	4.1	76
144	A mathematical model of ash formation during pulverized coal combustion. *Fuel*, **2002**, 81, 337-344	7.1	73
143	Mathematical modeling of coal char reactivity with CO2 at high pressures and temperatures. *Fuel*, **2000**, 79, 1145-1154	7.1	73
142	An Experimental Study on the Effect of System Pressure on Char Structure of an Australian Bituminous Coal. *Energy & Fuels*, **2000**, 14, 282-290	4.1	73
141	Mineral matter in coal and the thermal performance of large boilers. *Progress in Energy and Combustion Science*, **1979**, 5, 1-29	33.6	73
140	Modeling char combustion: The influence of parent coal petrography and pyrolysis pressure on the structure and intrinsic reactivity of its char. *Proceedings of the Combustion Institute*, **2000**, 28, 2233-2241	5.9	72
139	The implication of mineral coalescence behaviour on ash formation and ash deposition during pulverised coal combustion. *Fuel*, **2001**, 80, 1333-1340	7.1	71
138	A computational fluid dynamics based study of the combustion characteristics of coal blends in pulverised coal-fired furnace. *Fuel*, **2004**, 83, 1543-1552	7.1	70

137	Alkali-ash reactions and deposit formation in pulverized-coal-fired boilers: the thermodynamic aspects involving silica, sodium, sulphur and chlorine. *Fuel*, **1982**, 61, 87-92	7.1	69
136	Modelling of a pressurised entrained flow coal gasifier: the effect of reaction kinetics and char structure. *Fuel*, **2000**, 79, 1767-1779	7.1	68
135	Integration options for novel chemical looping air separation (ICLAS) process for oxygen production in oxy-fuel coal fired power plants. *Fuel*, **2013**, 107, 356-370	7.1	66
134	Reactivity of Al2O3- or SiO2-Supported Cu-, Mn-, and Co-Based Oxygen Carriers for Chemical Looping Air Separation. *Energy & Fuels*, **2014**, 28, 1284-1294	4.1	64
133	Removal of sulfur at high temperatures using iron-based sorbents supported on fine coal ash. *Fuel*, **2010**, 89, 868-873	7.1	62
132	Ash Liberation from Included Minerals during Combustion of Pulverized Coal: The Relationship with Char Structure and Burnout. *Energy & Fuels*, **1999**, 13, 1197-1202	4.1	61
131	The ignition of coal particles. *Fuel*, **1991**, 70, 1011-1016	7.1	60
130	Mechanisms for the ignition of pulverized coal particles. *Combustion and Flame*, **1990**, 81, 119-132	5.3	60
129	Experimental Study on Microwave Pyrolysis of an Indonesian Low-Rank Coal. *Energy & Fuels*, **2014**, 28, 254-263	4.1	58
128	Flow properties of biomass and coal blends. *Fuel Processing Technology*, **2006**, 87, 281-288	7.2	55
127	Experimental study on drying and moisture re-adsorption kinetics of an Indonesian low rank coal. *Journal of Environmental Sciences*, **2009**, 21 Suppl 1, S127-30	6.4	54
126	Fragmentation Behavior of Pyrite and Calcite during High-Temperature Processing and Mathematical Simulation. *Energy & Fuels*, **2001**, 15, 389-394	4.1	53
125	A differential scanning calorimetric (DSC) study on the characteristics and behavior of water in low-rank coals. *Fuel*, **2014**, 135, 243-252	7.1	52
124	Mineral matter–organic matter association characterisation by QEMSCAN and applications in coal utilisation. *Fuel*, **2005**, 84, 1259-1267	7.1	52
123	Index for Iron-Based Slagging for Pulverized Coal Firing in Oxidizing and Reducing Conditions. *Energy & Fuels*, **2000**, 14, 349-354	4.1	52
122	Modeling the fragmentation of non-uniform porous char particles during pulverized coal combustion. *Fuel*, **2000**, 79, 627-633	7.1	51
121	The Effect of Pressure on Ash Formation during Pulverized Coal Combustion. *Energy & Fuels*, **2000**, 14, 745-750	4.1	51
120	Analysis on Chemical Reaction Kinetics of CuO/SiO2 Oxygen Carriers for Chemical Looping Air Separation. *Energy & Fuels*, **2014**, 28, 173-182	4.1	50

119	Gas cleaning challenges for coal-fired oxy-fuel technology with carbon capture and storage. *Fuel*, **2013**, 108, 85-90	7.1	50
118	Experimental Options for Determining the Temperature for the Onset of Sintering of Coal Ash. *Energy & Fuels*, **2000**, 14, 227-233	4.1	50
117	Alkali-ash reactions and deposit formation in pulverized-coal-fired boilers: experimental aspects of sodium silicate formation and the formation of deposits. *Fuel*, **1982**, 61, 93-99	7.1	49
116	Effect of flue gas impurities on the performance of a chemical looping based air separation process for oxy-fuel combustion. *Fuel*, **2013**, 103, 932-942	7.1	48
115	Swelling behaviour of individual coal particles in the single particle reactor. *Fuel*, **2003**, 82, 1977-1987	7.1	48
114	BIOMASS GASIFICATION KINETICS: INFLUENCES OF PRESSURE AND CHAR STRUCTURE. *Combustion Science and Technology*, **2005**, 177, 765-791	1.5	48
113	Computational Fluid Dynamics Modeling of NOx Reduction Mechanism in Oxy-Fuel Combustion *Energy & Fuels*, **2010**, 24, 131-135	4.1	47
112	The optical properties of fly ash in coal fired furnaces. *Combustion and Flame*, **1985**, 61, 145-151	5.3	47
111	Nitrogen oxide formation from australian coals. *Combustion and Flame*, **1985**, 62, 21-30	5.3	46
110	SO3 Emissions and Removal by Ash in Coal-Fired Oxy-Fuel Combustion. *Energy & Fuels*, **2014**, 28, 5296-5306	4.1	45
109	Experimental study of influence of temperature on fuel-N conversion and recycle NO reduction in oxyfuel combustion. *Proceedings of the Combustion Institute*, **2011**, 33, 1731-1738	5.9	44
108	Modeling the development of char structure during the rapid heating of pulverized coal. *Combustion and Flame*, **2004**, 136, 519-532	5.3	43
107	The physical character of coal char formed during rapid pyrolysis at high pressure. *Fuel*, **2005**, 84, 63-69	7.1	43
106	Reducing fly ash deposition by pretreatment of brown coal: Effect of aluminium on ash character. *Fuel Processing Technology*, **1996**, 46, 117-132	7.2	40
105	Coal and carbon nanotube production. *Fuel*, **2003**, 82, 2025-2032	7.1	39
104	The character of ash deposits and the thermal performance of furnaces. *Fuel Processing Technology*, **1995**, 44, 143-153	7.2	39
103	Mercury Emissions and Removal by Ash in Coal-Fired Oxy-fuel Combustion. *Energy & Fuels*, **2014**, 28, 123-135	4.1	38
102	Swelling and Char Structures from Density Fractions of Pulverized Coal. *Energy & Fuels*, **2003**, 17, 1160-1174	4.1	38

101	Laboratory investigation of high pressure NO oxidation to NO2 and capture with liquid and gaseous water under oxy-fuel CO2 compression conditions. *International Journal of Greenhouse Gas Control*, **2013**, 18, 15-22	4.2	35
100	Combustion kinetics and the heterogeneous ignition of pulverized coal. *Combustion and Flame*, **1986**, 66, 151-157	5.3	35
99	Measurement of the Sintering Kinetics of Coal Ash. *Energy & Fuels*, **2000**, 14, 994-1001	4.1	34
98	An analysis of the ignition of coal dust clouds. *Combustion and Flame*, **1993**, 92, 475-480	5.3	34
97	Coal macerals separation by reflux classification and thermo-swelling analysis based on the Computer Aided Thermal Analysis. *Fuel*, **2013**, 103, 1023-1031	7.1	33
96	Ash Formation from Excluded Minerals Including Consideration of Mineral□Mineral Associations□ *Energy & Fuels*, **2007**, 21, 461-467	4.1	33
95	Devolatilization of bituminous coals at medium to high heating rates. *Combustion and Flame*, **1986**, 63, 329-337	5.3	33
94	An Investigation of Factors Affecting the Physical Characteristics of Flyash Formed in a Laboratory Scale Combustor. *Combustion Science and Technology*, **1986**, 48, 177-190	1.5	33
93	Fly Ash Characteristics and Radiative Heat Transfer in Pulverized-Coal-Fired Furnaces. *Combustion Science and Technology*, **1981**, 26, 107-121	1.5	33
92	Interactions between vitrinite and inertinite-rich coals and the ionic liquid □[bmim][Cl]. *Fuel*, **2014**, 119, 214-218	7.1	31
91	Effect of Pressure on Char Formation during Pyrolysis of Pulverized Coal. *Energy & Fuels*, **2004**, 18, 1346-1353	4.1	31
90	Coal Oxidation under Mild Conditions: Current Status and Applications. *Chemical Engineering and Technology*, **2014**, 37, 1635-1644	2	30
89	Use of TMA to predict deposition behaviour of biomass fuels. *Fuel*, **2007**, 86, 2446-2456	7.1	30
88	Indicators of ignition for clouds of pulverized coal. *Combustion and Flame*, **1988**, 72, 111-118	5.3	30
87	The sintering temperature of ash, agglomeration, and defluidisation in a bench scale PFBC. *Fuel*, **2005**, 84, 109-114	7.1	29
86	Development of emittance of coal particles during devolatilisation and burnoff. *Fuel*, **1999**, 78, 511-519	7.1	28
85	Maceral separation from coal by the Reflux Classifier. *Fuel Processing Technology*, **2016**, 143, 43-50	7.2	27
84	Experimental studies of ignition behaviour and combustion reactivity of pulverized fuel particles. *Fuel*, **1992**, 71, 1239-1246	7.1	27

83	Low-Temperature Oxidation Characteristics of Lignite Chars from Low-Temperature Pyrolysis. *Energy & Fuels*, **2014**, 28, 5612-5622	4.1	25
82	Effect of pressure on the swelling of density separated coal particles. *Fuel*, **2005**, 84, 1238-1245	7.1	24
81	Associations of physical, chemical with thermal changes during coking as coal heats Experiments on coal maceral concentrates. *Fuel*, **2015**, 147, 1-8	7.1	23
80	Laser ignition of combustible gases by radiative heating of small particles. *Combustion and Flame*, **1992**, 91, 399-412	5.3	23
79	Changes in Solvent-Extracted Matter for Heated Coal during Metaplast Formation Using High-Range Mass Spectrometry. *Energy & Fuels*, **2015**, 29, 7101-7113	4.1	22
78	The combustion of evolved volatile matter in the vicinity of a coal particle An evaluation of the diffusion limited model. *Combustion and Flame*, **1988**, 72, 1-12	5.3	22
77	Oxyfuel derived CO2 compression experiments with NOx, SOx and mercury removal Experiments involving compression of slip-streams from the Callide Oxyfuel Project (COP). *International Journal of Greenhouse Gas Control*, **2015**, 41, 50-59	4.2	21
76	Dynamic measurement of coal thermal properties and elemental composition of volatile matter during coal pyrolysis. *Journal of Materials Research and Technology*, **2014**, 3, 2-8	5.5	21
75	Mercury and SO3 Emissions in Oxy-fuel Combustion. *Energy Procedia*, **2014**, 63, 386-402	2.3	21
74	Thermo-swelling Properties of Particle Size Cuts of Coal Maceral Concentrates. *Energy & Fuels*, **2015**, 29, 4893-4901	4.1	20
73	The effects of oxygen and metal oxide catalysts on the reduction reaction of NO with lignite char during combustion flue gas cleaning. *Fuel Processing Technology*, **2016**, 152, 102-107	7.2	20
72	Measurement of the Viscosity of Coal-Derived Slag Using Thermomechanical Analysis. *Energy & Fuels*, **2005**, 19, 1078-1083	4.1	20
71	Dynamic behaviour of coal macerals during pyrolysis Associations between physical, thermal and chemical changes. *Proceedings of the Combustion Institute*, **2013**, 34, 2393-2400	5.9	19
70	Thermomechanical Analysis of Coal Ash: The Influence of the Material for the Sample Assembly. *Energy & Fuels*, **2000**, 14, 326-335	4.1	19
69	Sodium ash reactions during combustion of pulverised coal. *Proceedings of the Combustion Institute*, **1991**, 23, 1313-1321		18
68	Ignition temperature of pulverized coal particles: Experimental techniques and coal-related influences. *Combustion and Flame*, **1990**, 79, 333-339	5.3	18
67	Sulfur Capture by Fly Ash in Air and Oxy-fuel Pulverized Fuel Combustion. *Energy & Fuels*, **2014**, 28, 5472-5479	4.1	17
66	Ultrasonic-assisted preparation of highly reactive Fe n sorbents supported on activated-char for desulfurization of COG. *Fuel Processing Technology*, **2015**, 135, 187-194	7.2	17

65	The char structure characterization from the coal reflectogram. *Fuel*, **2005**, 84, 1268-1276	7.1	17
64	Stress distribution in a packed bed above raceway cavities formed by an air jet. *AICHE Journal*, **1990**, 36, 461-468	3.6	17
63	Modeling of coal devolatilization and its effect on combustion calculations. *Combustion and Flame*, **1985**, 62, 85-89	5.3	17
62	In-situ study of plastic layers during coking of six Australian coking coals using a lab-scale coke oven. *Fuel Processing Technology*, **2019**, 188, 51-59	7.2	16
61	The use of LDI-TOF imaging mass spectroscopy to study heated coal with a temperature gradient incorporating the plastic layer and semi-coke. *Fuel*, **2016**, 165, 33-40	7.1	16
60	The ignition of single pulverized coal particles: Minimum laser power required. *Fuel*, **1994**, 73, 647-655	7.1	16
59	Comparative Study on the Combustion Performance of Coals on a Pilot-Scale Test Rig Simulating Blast Furnace Pulverized Coal Injection and a Lab-Scale Drop-Tube Furnace. *Energy & Fuels*, **2014**, 28, 363-368	4.1	15
58	Dynamic Elemental Thermal Analysis: A technique for continuous measurement of carbon, hydrogen, oxygen chemistry of tar species evolved during coal pyrolysis. *Fuel*, **2013**, 103, 764-772	7.1	15
57	Dissolution of lime into synthetic coal ash slags. *Fuel Processing Technology*, **1998**, 56, 45-53	7.2	15
56	An overview of the Australian biomass resources and utilization technologies. *BioResources*, **2006**, 1, 93-115	1.3	15
55	Impacts of Sulfur Oxides on Mercury Speciation and Capture by Fly Ash during Oxy-fuel Pulverized Coal Combustion. *Energy & Fuels*, **2016**, 30, 8658-8664	4.1	15
54	Study of chemical structure transition in the plastic layers sampled from a pilot-scale coke oven using a thermogravimetric analyzer coupled with Fourier transform infrared spectrometer. *Fuel*, **2019**, 242, 277-286	7.1	14
53	The pyrolysis behaviour of solvent extracted metaplast material from heated coal using LDI-TOF mass spectroscopy measurements. *Journal of Analytical and Applied Pyrolysis*, **2016**, 120, 258-268	6	14
52	False deformation temperatures for ash fusibility associated with the conditions for ash preparation. *Fuel*, **1999**, 78, 1057-1063	7.1	14
51	The reactivity of pulverized coal char particles: experiments using ignition, burnout and DTG techniques and partly burnt chars. *Fuel*, **1992**, 71, 1247-1253	7.1	14
50	Linking Thermoplastic Development and Swelling with Molecular Weight Changes of a Coking Coal and Its Pyrolysis Products. *Energy & Fuels*, **2016**, 30, 3906-3916	4.1	14
49	Low-Cost Carbon Fibre Derived from Sustainable Coal Tar Pitch and Polyacrylonitrile: Fabrication and Characterisation. *Materials*, **2019**, 12,	3.5	13
48	Semi-quantitative characterisation of ambient ultrafine aerosols resulting from emissions of coal fired power stations. *Science of the Total Environment*, **2008**, 391, 104-13	10.2	13

47	Coal Ash Buildup on Ceramic Filters in a Hot Gas Filtration System. *Energy & Fuels*, **2003**, 17, 316-320	4.1	13
46	The estimation of char reactivity from coal reflectogram. *Fuel*, **2005**, 84, 127-134	7.1	13
45	Fibre optic ignition of combustible gas mixtures by the radiative heating of small particles. *Proceedings of the Combustion Institute*, **1992**, 24, 1761-1767		12
44	Sulphur retention as CaS(s) during coal combustion: a modelling study to define mechanisms and possible technologies. *Fuel*, **1993**, 72, 633-643	7.1	12
43	Separation and analysis of high range extractable molecules formed during coal pyrolysis using coupled thin layer chromatography-imaging mass spectrometry (TLC-LDI-IMS). *Fuel*, **2017**, 196, 269-279	7.1	11
42	Characterization of Ash Deposition and Heat Transfer Behavior of Coals during Combustion in a Pilot-Scale Facility and Full-Scale Utility. *Energy & Fuels*, **2009**, 23, 2570-2575	4.1	11
41	Thermomechanical analysis of laboratory ash, combustion ash and deposits from coal combustion. *Fuel Processing Technology*, **2007**, 88, 1099-1107	7.2	11
40	Combustion of particles in a large pulverized brown coal flame. *Combustion and Flame*, **1980**, 39, 69-81	5.3	11
39	CO2 quality control in Oxy-fuel technology for CCS: SO2 removal by the caustic scrubber in Callide Oxy-fuel Project. *International Journal of Greenhouse Gas Control*, **2016**, 51, 207-217	4.2	10
38	Oxyfuel CO2 compression: The gas phase reaction of elemental mercury and NOx at high pressure and absorption into nitric acid. *International Journal of Greenhouse Gas Control*, **2014**, 29, 125-134	4.2	10
37	Reactivity Study of Two Coal Chars Produced in a Drop-Tube Furnace and a Pulverized Coal Injection Rig. *Energy & Fuels*, **2012**, 26, 4690-4695	4.1	10
36	CO2 quality control by scrubbing in oxy-fuel combustion prior to compression: Relating pH to the liquid composition from absorption of SO2 into sodium based solutions to identify an operational pH window. *International Journal of Greenhouse Gas Control*, **2013**, 19, 462-470	4.2	9
35	Dynamic Elemental Thermal Analysis (DETA) – A characterisation technique for the production of biochar and bio-oil from biomass resources. *Fuel*, **2013**, 108, 656-667	7.1	9
34	CO2 quality control in oxy-fuel combustion: A dynamic study on the absorption of SO2 into sodium based aqueous solutions relevant to scrubbing prior to CO2 compression. *International Journal of Greenhouse Gas Control*, **2013**, 12, 2-8	4.2	9
33	Rate Limitations of Lime Dissolution into Coal Ash Slag. *Energy & Fuels*, **2008**, 22, 3626-3630	4.1	9
32	Combustion kinetics in the modeling of large, pulverized fuel furnaces: A numerical experiment in sensitivity. *AICHE Journal*, **1977**, 23, 440-448	3.6	9
31	Mercury and SO3 measurements on the fabric filter at the Callide Oxy-fuel Project during air and oxy-fuel firing transitions. *International Journal of Greenhouse Gas Control*, **2016**, 47, 221-232	4.2	9
30	High pressure conversion of NO x and Hg and their capture as aqueous condensates in a laboratory piston-compressor simulating oxy-fuel CO 2 compression. *International Journal of Greenhouse Gas Control*, **2014**, 29, 209-220	4.2	8

29	A Mechanistic Approach To Characterize Coal Heterogeneity in Predicting High-Temperature Volatile Matter Yields. *Energy & Fuels*, **2004**, 18, 1716-1722	4.1	8
28	Impacts of Mild Pyrolysis and Solvent Extraction on Coking Coal Thermoplasticity. *Energy & Fuels*, **2016**, 30, 9293-9302	4.1	7
27	Field measurements of NO x and mercury from oxy-fuel compression condensates at the Callide Oxyfuel Project. *International Journal of Greenhouse Gas Control*, **2015**, 42, 485-493	4.2	6
26	Impact of Coal Pyrolysis Products as a Rheological Additive on Thermoplasticity of a Coking Coal. *Energy & Fuels*, **2018**, 32, 4382-4390	4.1	6
25	The ignition of coal particles and explosions in surrounding combustible gases during heating by laser irradiation. *Fuel*, **1992**, 71, 1206-1207	7.1	6
24	Coal burnout in the IFRF No. 1 furnace. *Combustion and Flame*, **1986**, 66, 137-150	5.3	6
23	Conceptual design of a packed bed for the removal of SO 2 in Oxy-fuel combustion prior to compression. *International Journal of Greenhouse Gas Control*, **2016**, 53, 65-78	4.2	6
22	A comparative study on the design of direct contact condenser for air and oxy-fuel combustion flue gas based on Callide Oxy-fuel Project. *International Journal of Greenhouse Gas Control*, **2018**, 75, 74-84	4.2	6
21	CO 2 quality control through scrubbing in oxy-fuel combustion: Rate limitation due to S(IV) oxidation in sodium solutions in scrubbers and prior to waste disposal. *International Journal of Greenhouse Gas Control*, **2015**, 39, 148-157	4.2	5
20	CO2 quality control through scrubbing in oxy-fuel combustion: Simulations on the absorption rates of SO2 into droplets to identify operational pH regions. *International Journal of Greenhouse Gas Control*, **2015**, 37, 115-126	4.2	5
19	Thermoplastic development of coking and non-coking maceral concentrates and molecular weight distribution of their pyrolysis products. *Journal of Analytical and Applied Pyrolysis*, **2018**, 129, 72-85	6	5
18	Modelling of High Intensity Combustion of Pulversized Coal in a Tabular Combustor. *Combustion Science and Technology*, **1987**, 55, 89-113	1.5	5
17	CO 2 quality control through scrubbing in oxy-fuel combustion: An evaluation of operational pH impacts, and prediction of SO 2 absorption rate at steady state. *International Journal of Greenhouse Gas Control*, **2015**, 32, 37-46	4.2	4
16	Thermo-swelling Behavior of Australian Coking Coals from Different Basins: Relating to Rank and Maceral Compositions. *Energy & Fuels*, **2016**, 30, 10126-10135	4.1	4
15	An analysis of the angular scatter measurement to determine the optical constants of coal and ashy materials. *International Communications in Heat and Mass Transfer*, **1996**, 23, 809-821	5.8	4
14	STM examination of O2 etching on graphite surfaces in air. *Fuel*, **1993**, 72, 1454-1455	7.1	4
13	Impact of large sized inertinite particles on thermo-swelling and volatile release of coking coals. *Fuel Processing Technology*, **2019**, 193, 63-72	7.2	3
12	Evaluating the Thermal Extrusion Behavior of a Coking Coal for Direct Carbon Fiber Production. *Energy & Fuels*, **2018**, 32, 4528-4537	4.1	3

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11	Chemical Changes of Australian Coking Coals from Different Basins with Various Ranks and Maceral Compositions: Linking to Both Physical and Thermal Changes. *Energy & Fuels*, **2016**, 30, 10136-10147	4.1	3
10	Factors affecting the vaporisation of silica during coal combustion. *Fuel Processing Technology*, **2007**, 88, 157-164	7.2	3
9	The Heterogeneity of Coal Chemical Properties Derived from a Reflectogram. *Energy & Fuels*, **2005**, 19, 130-137	4.1	3
8	Intrinsic reactivity of carbons to oxygen. *Fuel*, **1983**, 62, 484-486	7.1	3
7	An investigation of the molecular change in coal maceral concentrates prepared under dimensional heating condition. *Fuel Processing Technology*, **2019**, 189, 80-88	7.2	1
6	Volatile release from maceral concentrates of pulverised coals used for pulverised coal injection at temperatures of 1550 ℃ and their relationship with density. *Fuel*, **2021**, 297, 120784	7.1	1
5	STM examination of O2 etching on graphite surfaces in air. *Fuel*, **1994**, 73, 1372	7.1	
4	E304 CHAR MORPHOLOGY FROM THE AUTOMATED REFLECTOGRAM OF A COAL AND ITS IMPLICATIONS ON BURNOUT AND ASH FORMATION. *The Proceedings of the International Conference on Power Engineering (ICOPE)*, **2003**, 2003.3, _3-317_-_3-322_		
3	Experimental Study of Volatile-N Conversion at O2/CO2 Atmosphere in a Drop Tube Furnace **2013**, 371-376		
2	Dataset for the estimation of costs for direct contact condenser. *Data in Brief*, **2018**, 20, 535-543	1.2	
1	Dynamic measurement of liquid-phase mass transfer coefficient and significance on the SO2 absorption rate. *Asia-Pacific Journal of Chemical Engineering*, **2018**, 13, e2242	1.3	