W Brian Haynes

List of Publications by Year
in descending order

159 papers	7,988 citations	47004 47 h-index	56717 83 g-index
162 all docs	162 docs citations	162 times ranked	5542 citing authors

#	Article	IF	Citations
1	Soot formation. Progress in Energy and Combustion Science, 1981, 7, 229-273.	31.2	969
2	On the CFD modelling of Taylor flow in microchannels. Chemical Engineering Science, 2009, 64, 2941-2950.	3.8	303
3	Flow boiling heat transfer of Freon R11 and HCFC123 in narrow passages. International Journal of Heat and Mass Transfer, 2000, 43, 3347-3358.	4.8	277
4	Pilot plant testing of continuous hydrothermal liquefaction of microalgae. Algal Research, 2013, 2, 268-277.	4.6	226
5	Effect of CO2 and steam gasification reactions on the oxy-combustion of pulverized coal char. Combustion and Flame, 2012, 159, 3437-3447.	5.2	209
6	Biocrude yield and productivity from the hydrothermal liquefaction of marine and freshwater green macroalgae. Bioresource Technology, 2014, 155, 334-341.	9.6	200
7	Effect of CO2 gasification reaction on oxy-combustion of pulverized coal char. Proceedings of the Combustion Institute, 2011, 33, 1699-1706.	3.9	147
8	Two-stage hydrothermal liquefaction of a high-protein microalga. Algal Research, 2015, 8, 15-22.	4.6	140
9	Kinetic and Thermodynamic Sensitivity Analysis of the NO-Sensitised Oxidation of Methane. Combustion Science and Technology, 1996, 115, 259-296.	2.3	135
10	Local condensation heat transfer rates in fine passages. International Journal of Heat and Mass Transfer, 2003, 46, 4453-4466.	4.8	134
11	A CFD based combustion model of an entrained flow biomass gasifier. Applied Mathematical Modelling, 2000, 24, 165-182.	4.2	131
12	Taylor Flow in Microchannels: A Review of Experimental and Computational Work. Journal of Computational Multiphase Flows, 2010, 2, 1-31.	0.8	128
13	The oxidation of hydrogen cyanide in fuel-rich flames. Combustion and Flame, 1977, 28, 113-121.	5.2	124
14	A Review of Terminology Used to Describe Soot Formation and Evolution under Combustion and Pyrolytic Conditions. ACS Nano, 2020, 14, 12470-12490.	14.6	122
15	CFD modelling of flow and heat transfer in the Taylor flow regime. Chemical Engineering Science, 2010, 65, 2094-2107.	3.8	119
16	Reactions of ammonia and nitric oxide in the burnt gases of fuel-rich hydrocarbon-air flames. Combustion and Flame, 1977, 28, 81-91.	5.2	118
17	Factors governing the surface enrichment of fly ash in volatile trace species. Journal of Colloid and Interface Science, 1982, 87, 266-278.	9.4	109
18	CFD approaches for the simulation of hydrodynamics and heat transfer in Taylor flow. Chemical Engineering Science, 2011, 66, 5575-5584.	3.8	106

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19	The Catalytic Chemistry of Nitromethane over Co-ZSM5 and Other Catalysts in Connection with the Methane-NOxSCR Reaction. Journal of Catalysis, 1998, 176, 329-343.	6.2	101
20	Validation of a CFD model of Taylor flow hydrodynamics and heat transfer. Chemical Engineering Science, 2012, 69, 541-552.	3.8	101
21	Vaporization and condensation of mineral matter during pulverized coal combustion. Proceedings of the Combustion Institute, 1981, 18, 1267-1274.	0.3	100
22	Laminar flow and heat transfer in a periodic serpentine channel with semi-circular cross-section. International Journal of Heat and Mass Transfer, 2006, 49, 2912-2923.	4.8	94
23	Subcooled flow boiling heat transfer in narrow passages. International Journal of Heat and Mass Transfer, 2003, 46, 3673-3682.	4.8	89
24	Experimental and kinetic modelling study of H2S oxidation. Proceedings of the Combustion Institute, 2013, 34, 625-632.	3.9	89
25	Density functional study of the chemisorption of O2 on the zig-zag surface of graphite. Combustion and Flame, 2005, 143, 629-643.	5.2	87
26	Hydrodynamics of liquidâ€“liquid Taylor flow in microchannels. Chemical Engineering Science, 2013, 92, 180-189.	3.8	86
27	A turnover model for carbon reactivity I. development. Combustion and Flame, 2001, 126, 1421-1432.	5.2	80
28	Periodic density functional study of Co3O4 surfaces. Chemical Physics Letters, 2011, 502, 63-68.	2.6	72
29	Impact of tortuous geometry on laminar flow heat transfer in microchannels. International Journal of Heat and Mass Transfer, 2015, 83, 382-398.	4.8	72
30	On the origin of power-law kinetics in carbon oxidation. Proceedings of the Combustion Institute, 2005, 30, 2161-2168.	3.9	65
31	The Surface Growth Phenomenon in Soot Formation. Zeitschrift Fur Physikalische Chemie, 1982, 133, 201-213.	2.8	62
32	Density functional study of the chemisorption of O2 on the armchair surface of graphite. Proceedings of the Combustion Institute, 2005, 30, 2141-2149.	3.9	62
33	The effect of metal additives on the formation of soot in premixed flames. Proceedings of the Combustion Institute, 1979, 17, 1365-1374.	0.3	61
34	Laminar Flow and Heat Transfer in a Periodic Serpentine Channel. Chemical Engineering and Technology, 2005, 28, 353-361.	1.5	61
35	Low-Reynolds number heat transfer enhancement in sinusoidal channels. Chemical Engineering Science, 2007, 62, 694-702.	3.8	61
36	An experimental investigation of the mutually sensitised oxidation of nitric oxide and n-butane. Proceedings of the Combustion Institute, 1992, 24, 899-907.	0.3	60

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37	From macroalgae to liquid fuel via waste-water remediation, hydrothermal upgrading, carbon dioxide hydrogenation and hydrotreating. Energy and Environmental Science, 2016, 9, 1828-1840.	30.8	59
38	Density functional study of the reaction of O2 with a single site on the zigzag edge of graphene. Proceedings of the Combustion Institute, 2011, 33, 1851-1858.	3.9	58
39	Identification of a source of argon-ion-laser excited fluorescence in sooting flames. Combustion and Flame, 1981, 43, 211-214.	5.2	57
40	Density Functional Study of the Reaction of Carbon Surface Oxides:Â The Behavior of Ketones. Journal of Physical Chemistry A, 2005, 109, 3438-3447.	2.5	57
41	Heat transfer in well-characterised Taylor flow. Chemical Engineering Science, 2010, 65, 6379-6388.	3.8	55
42	Continuous hydrothermal liquefaction of macroalgae in the presence of organic co-solvents. Algal Research, 2016, 17, 185-195.	4.6	53
43	Reaction of Hydrogen with Ag(111):â€‰ Binding States, Minimum Energy Paths, and Kinetics. Journal of Physical Chemistry B, 2006, 110, 17145-17154.	2.6	51
44	Laminar flow and heat transfer in a periodic trapezoidal channel with semi-circular cross-section. International Journal of Heat and Mass Transfer, 2007, 50, 3471-3480.	4.8	51
45	Thermohydraulic performance of a periodic trapezoidal channel with a triangular cross-section. International Journal of Heat and Mass Transfer, 2008, 51, 2925-2929.	4.8	51
46	Pathways for conversion of char nitrogen to nitric oxide during pulverized coal combustion. Combustion and Flame, 2009, 156, 574-587.	5.2	50
47	Taylor flow heat transfer in microchannelsâ€"Unification of liquidâ€"liquid and gasâ€"liquid results. Chemical Engineering Science, 2015, 138, 140-152.	3.8	50
48	The influence of gaseous additives on the formation of soot in premixed flames. Proceedings of the Combustion Institute, 1982, 19, 1379-1385.	0.3	49
49	Kinetics and modeling of the H2?O2?NOx system. International Journal of Chemical Kinetics, 1995, 27, 1165-1178.	1.6	47
50	Evaluation of thermal desorption spectra for heterogeneous surfaces: application to carbon surface oxides. Surface Science, 1993, 297, 312-326.	1.9	46
51	An experimental study of gasâ€"liquid flow in a narrow conduit. International Journal of Heat and Mass Transfer, 2000, 43, 2313-2324.	4.8	46
52	Laminar heat transfer simulations for periodic zigzag semicircular channels: Chaotic advection and geometric effects. International Journal of Heat and Mass Transfer, 2013, 62, 391-401.	4.8	46
53	Density Functional Study of the Chemisorption of O2 Across Two Rings of the Armchair Surface of Graphite. Journal of Physical Chemistry C, 2007, 111, 5465-5473.	3.1	45
54	Film and slug behaviour in intermittent slugâ€"annular microchannel flows. Chemical Engineering Science, 2010, 65, 5344-5355.	3.8	44

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55	Effect of Flow Characteristics on Taylor Flow Heat Transfer. Industrial & Engineering Chemistry Research, 2012, 51, 2010-2020.	3.7	44
56	Formate species in the low-temperature oxidation of dimethyl ether. Chemosphere, 2001, 42, 583-589.	8.2	43
57	Chaotic advection in steady laminar heat transfer simulations: Periodic zigzag channels with square cross-sections. International Journal of Heat and Mass Transfer, 2013, 57, 274-284.	4.8	43
58	Transient laminar heat transfer simulations in periodic zigzag channels. International Journal of Heat and Mass Transfer, 2014, 71, 758-768.	4.8	43
59	Hydrocarbon-NO interactions at low temperaturesâ€”1.Conversion of NO to NO2 promoted by propane and the formation of HNCO. Proceedings of the Combustion Institute, 1994, 25, 1003-1010.	0.3	41
60	Pre- and post-harvest treatment of macroalgae to improve the quality of feedstock for hydrothermal liquefaction. Algal Research, 2014, 6, 22-31.	4.6	41
61	Implementation of a height function method to alleviate spurious currents in CFD modelling of annular flow in microchannels. Applied Mathematical Modelling, 2015, 39, 4665-4686.	4.2	40
62	Thermohydraulics of square-section microchannels following a serpentine path. Microfluidics and Nanofluidics, 2006, 2, 195-204.	2.2	38
63	An Exploratory Flow Reactor Study of H₂S Oxidation at 30â€“100 Bar. International Journal of Chemical Kinetics, 2017, 49, 37-52.	1.6	38
64	Rate coefficient of H+O2+Mâ†'HO2+M (M=H2O, N2, Ar, CO2). Proceedings of the Combustion Institute, 1998, 27, 185-191.	0.3	36
65	Catalytic combustion of soot on metal oxides and their supported metal chlorides. Catalysis Communications, 2003, 4, 591-596.	3.3	36
66	Mineral Carbonation as the Core of an Industrial Symbiosis for Energyâ€Intensive Minerals Conversion. Journal of Industrial Ecology, 2012, 16, 94-104.	5.5	36
67	Gas-Phase Interaction of H2S with O2:â€‰ A Kinetic and Quantum Chemistry Study of the Potential Energy Surface. Journal of Physical Chemistry A, 2005, 109, 1057-1062.	2.5	35
68	Oxygen chemisorption on carbon. Proceedings of the Combustion Institute, 1992, 24, 1199-1206.	0.3	34
69	Cobra probe measurements of mean velocities, Reynolds stresses and higher-order velocity correlations in pipe flow. Experimental Thermal and Fluid Science, 2000, 21, 206-217.	2.7	34
70	Kinetic and thermodynamic analysis of the fate of sulphur compounds in gasification products. Fuel, 2004, 83, 2133-2138.	6.4	34
71	Soot surface growth at active sites. Combustion and Flame, 1991, 85, 523-525.	5.2	32
72	Interactions of gaseous no with char during the low-temperature oxidation of coal chars. Proceedings of the Combustion Institute, 2000, 28, 2171-2179.	3.9	32

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73	Scaleable, microstructured plant for steam reforming of methane. Chemical Engineering Journal, 2008, 135, S9-S16.	12.7	32
74	The behavior of nitrogen species in fuel rich hydrocarbon flames. Proceedings of the Combustion Institute, 1975, 15, 1103-1112.	0.3	31
75	The fate of char-nitrogen in low-temperature oxidation. Proceedings of the Combustion Institute, 1998, 27, 3069-3075.	0.3	31
76	Site Isolation Leads to Stable Photocatalytic Reduction of CO₂ over a Rheniumâ€Based Catalyst. Chemistry - A European Journal, 2015, 21, 18576-18579.	3.3	30
77	Chemical Engineering Curriculum Renewal. Education for Chemical Engineers, 2006, 1, 116-125.	4.8	29
78	Methanol and Methoxide Decomposition on Silver. Journal of Physical Chemistry C, 2007, 111, 9867-9876.	3.1	29
79	Local Site Selectivity and Conformational Structures in the Glycosidic Bond Scission of Cellobiose. Journal of Physical Chemistry B, 2011, 115, 10682-10691.	2.6	29
80	On the importance of upstream compressibility in microchannel boiling heat transfer. International Journal of Heat and Mass Transfer, 2013, 58, 503-512.	4.8	29
81	Insight into oxygen stability and vacancy formation on Co3O4 model slabs. Computational Materials Science, 2013, 72, 15-25.	3.0	29
82	DFT Analysis of the Reaction Paths of Formaldehyde Decomposition on Silver. Journal of Physical Chemistry A, 2009, 113, 8125-8131.	2.5	28
83	Gravitational effect on Taylor flow in horizontal microchannels. Chemical Engineering Science, 2012, 69, 553-564.	3.8	28
84	C1/C2 chemistry in fuel-rich post-flame gases: Detailed kinetic modelling. Proceedings of the Combustion Institute, 1994, 25, 909-917.	0.3	26
85	Oxyreactivity of carbon surface oxides. Proceedings of the Combustion Institute, 2000, 28, 2197-2203.	3.9	26
86	The mutually sensitied oxidation of ethylene and NO: An experimental and kinetic modeling study. Proceedings of the Combustion Institute, 1996, 26, 589-596.	0.3	25
87	Title is missing!. Catalysis Letters, 1997, 46, 207-212.	2.6	24
88	Computational fluid dynamics modelling of an entrained flow biomass gasifier. Applied Mathematical Modelling, 1998, 22, 747-757.	4.2	24
89	Simulation of the ignition of lean methane mixtures using CFD modelling and a reduced chemistry mechanism. Applied Mathematical Modelling, 2000, 24, 689-696.	4.2	24
90	Kinetic studies of graphon and coal-char reaction with NO and O2: direct non-linear regression from TG curves. Fuel Processing Technology, 2005, 86, 651-660.	7.2	24

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91	Formation of metastable oxide complexes during the oxidation of carbons at low temperatures. Proceedings of the Combustion Institute, 1991, 23, 1191-1197.	0.3	23
92	Role of the Direct Reaction H_2S + SO_2in the Homogeneous Claus Reaction. Journal of Physical Chemistry A, 2005, 109, 8180-8186.	2.5	23
93	Numerical simulation of annular flow hydrodynamics in microchannels. Computers and Fluids, 2016, 133, 90-102.	2.5	23
94	Interaction of carbon monoxide with carbon and carbon surface oxides. Energy & Fuels, 1992, 6, 154-159.	5.1	22
95	Effect of boundary layer reactions on the conversion of CHAR-N to NO, N 2 O, and HCN at fluidized-bed combustion conditions. Combustion Science and Technology, 2002, 174, 43-71.	2.3	22
96	Combustion research for chemical processing. Proceedings of the Combustion Institute, 2019, 37, 1-32.	3.9	21
97	Numerical assessment of Tognotti determination of CO_2/CO production ratio during char oxidation. Combustion and Flame, 2013, 160, 1827-1834.	5.2	20
98	CFD simulation of Taylor flow: Should the liquid film be captured or not?. Chemical Engineering Science, 2017, 167, 334-335.	3.8	20
99	Quantum chemical and RRKM calculations of reactions in the H/S/O system. Proceedings of the Combustion Institute, 2007, 31, 257-265.	3.9	19
100	Theoretical Study of Hydrogen Abstraction and Sulfur Insertion in the Reaction H₂S + S. Journal of Physical Chemistry A, 2008, 112, 3239-3247.	2.5	19
101	Conformational and Thermodynamic Properties of Gaseous Levulinic Acid. Journal of Physical Chemistry A, 2010, 114, 12323-12329.	2.5	19
102	The role of oxygen during the catalytic oxidation of ammonia on Co 3 O 4 (1 0 0). Applied Surface Science, 2014, 316, 355-365.	6.1	18
103	<i>In situ</i>synchrotron XRD analysis of the kinetics of spodumene phase transitions. Physical Chemistry Chemical Physics, 2018, 20, 10753-10761.	2.8	18
104	Laminar Flow and Heat Transfer in Periodic Serpentine Mini-Channels. Journal of Enhanced Heat Transfer, 2006, 13, 309-320.	1.1	18
105	Demonstration Plant for Distributed Production of Hydrogen from Steam Reforming of Methane. Chemical Engineering Research and Design, 2005, 83, 619-625.	5.6	17
106	Acid-Catalyzed Ring Opening of Furan in Aqueous Solution. Energy & Fuels, 2018, 32, 4139-4148.	5.1	17
107	The effect of alkali metals on a laminar ethylene diffusion flame. Combustion and Flame, 1993, 92, 266-273.	5.2	16
108	The Formation of Methyl Isocyanate during the Reaction of Nitroethane over Cu-MFI under Hydrocarbon-Selective Catalytic Reduction Conditions. Journal of Catalysis, 2001, 203, 487-494.	6.2	16

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109	Computational Study of the Reaction SH + O₂. Journal of Physical Chemistry A, 2009, 113, 2975-2981.	2.5	16
110	Hydrogen from Formic Acid via Its Selective Disproportionation over Nanodomain-Modified Zeolites. ACS Catalysis, 2015, 5, 4353-4362.	11.2	16
111	The effect of bulk gas diffusivity on apparent pulverized coal char combustion kinetics. Proceedings of the Combustion Institute, 2019, 37, 3071-3079.	3.9	16
112	An experimental and numerical study of surface chemical interactions in the combustion of propylene over platinum. Combustion and Flame, 2013, 160, 473-485.	5.2	15
113	The catalytic oxidation of NH3 on Co3O4(110): A theoretical study. Proceedings of the Combustion Institute, 2017, 36, 4365-4373.	3.9	15
114	Theoretical Study of Reactions in the Multiple Well H₂/S₂ System. Journal of Physical Chemistry A, 2009, 113, 8299-8306.	2.5	14
115	The Formation of Nitric Oxide in Fuel-Rich Flames. Combustion Science and Technology, 1973, 8, 159-164.	2.3	13
116	Kinetic and modeling studies of the reaction S+H2S. Proceedings of the Combustion Institute, 2011, 33, 459-465.	3.9	13
117	Formation of N2 and N2O in industrial combustion of ammonia over platinum. Proceedings of the Combustion Institute, 2015, 35, 2215-2222.	3.9	13
118	The effect of surface coverage on N₂, NO and N₂O formation over Pt(111). Physical Chemistry Chemical Physics, 2018, 20, 25314-25323.	2.8	13
119	Surface heterogeneity in the formation and decomposition of carbon surface oxides. Proceedings of the Combustion Institute, 1996, 26, 3119-3125.	0.3	12
120	Heterogeneous fixation of N2: Investigation of a novel mechanism for formation of NO. Proceedings of the Combustion Institute, 2009, 32, 1973-1980.	3.9	12
121	Fate of Cu, Cr, and As during the Combustion Stages of CCA-Treated Wood Fuel Particles. Energy & Fuels, 2008, 22, 1589-1597.	5.1	11
122	Hydrogen from Formic Acid through Its Selective Disproportionation over Sodium Germanateâ€"A Nonâ€Transitionâ€Metal Catalysis System. Angewandte Chemie - International Edition, 2014, 53, 11275-11279.	13.8	11
123	Kinetic Insights into the Hydrothermal Decomposition of Dihydroxyacetone: A Combined Experimental and Modeling Study. Industrial & Engineering Chemistry Research, 2015, 54, 8437-8447.	3.7	11
124	Mechanistic Insights and Kinetic Modeling of Cellobiose Decomposition in Hot Compressed Water. Energy & Fuels, 2017, 31, 2203-2216.	5.1	11
125	Simulation of microchannel flows using a 3D height function formulation for surface tension modelling. International Communications in Heat and Mass Transfer, 2017, 89, 122-133.	5.6	11
126	The Role of Atomic Oxygen and Ozone in the Plasma and Post-plasma Catalytic Removal of N2O. Plasma Chemistry and Plasma Processing, 2019, 39, 89-108.	2.4	11

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127	Process design and performance of a microstructured convective steamâ€"methane reformer. Catalysis Today, 2011, 178, 34-41.	4.4	10
128	A comparative experimental study of the interactions between platinum and a range of hydrocarbon fuels. Fuel, 2013, 105, 523-534.	6.4	10
129	Confined Ru Nanocatalysts on Surface to Enhance Ammonia Synthesis: An In situ ETEM Study. ChemCatChem, 2021, 13, 534-538.	3.7	10
130	LOCAL FLOW BOILING HEAT TRANSFER COEFFICIENTS IN NARROW CONDUITS. Multiphase Science and Technology, 2000, 12, 16.	0.5	10
131	Nitric oxide formation during the combustion of coal. Combustion and Flame, 1974, 23, 277-278.	5.2	9
132	The reactions of hydrogen and carbon monoxide with surface-bound oxides on carbon. Combustion and Flame, 2000, 120, 515-525.	5.2	9
133	Molecular Dynamics Study of Acid-Catalyzed Hydrolysis of Dimethyl Ether in Aqueous Solution. Journal of Physical Chemistry B, 2011, 115, 8199-8206.	2.6	9
134	First High Power Test Results for 2.1ÂGHz Superconducting Photonic Band Gap Accelerator Cavities. Physical Review Letters, 2012, 109, 164801.	7.8	9
135	Effect of the Local Atomic Ordering on the Stability of Î²-Spodumene. Inorganic Chemistry, 2016, 55, 6426-6434.	4.0	9
136	Electrochemical oxidation of nitrogen-rich post-hydrothermal liquefaction wastewater. Algal Research, 2020, 48, 101919.	4.6	9
137	Deportment and management of metals produced during combustion of CCA-treated timbers. Journal of Hazardous Materials, 2007, 139, 500-505.	12.4	8
138	Three Dimensional Effects in Taylor Flow in Circular Microchannels. Houille Blanche, 2013, 99, 60-67.	0.3	8
139	Influence of Tortuous Geometry on the Hydrodynamic Characteristics of Laminar Flow in Microchannels. Chemical Engineering and Technology, 2015, 38, 1406-1415.	1.5	8
140	Molecular modelling of the decomposition of NH3 over CoO(100). Materials Chemistry and Physics, 2015, 156, 141-149.	4.0	8
141	Heat exchanger specification: Coupling design and surface performance evaluation. Chemical Engineering Research and Design, 2015, 93, 392-401.	5.6	8
142	Production of nitrogen compounds from molecular nitrogen in fuel-rich hydrocarbon-air flames. Fuel, 1977, 56, 199-203.	6.4	7
143	Reactions of Hydroxyl on the Topmost Layer of Ag(111):â€‰ A Density Functional Theory Study. Journal of Physical Chemistry C, 2007, 111, 1333-1341.	3.1	7
144	A general implementation of the H1 boundary condition in CFD simulations of heat transfer in swept passages. International Journal of Heat and Mass Transfer, 2007, 50, 1833-1842.	4.8	7

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145	Process intensification writ large with microchannel absorption in nitric acid production. Chemical Engineering Science, 2017, 169, 140-150.	3.8	7
146	Reaction Analysis of Diaryl Ether Decomposition under Hydrothermal Conditions. Industrial & Engineering Chemistry Research, 2018, 57, 2014-2022.	3.7	6
147	ASSESSMENT OF THE SST AND OMEGA-BASED REYNOLDS STRESS MODELS FOR THE PREDICTION OF FLOW AND HEAT TRANSFER IN A SQUARE-SECTION U-BEND. Computational Thermal Sciences, 2009, 1, 385-403.	0.9	6
148	Experimental Investigation of Taylor and Intermittent Slug-annular/Annular Flow in Microchannels. Experimental Heat Transfer, 2014, 27, 360-375.	3.2	5
149	N2O formation and dissociation during ammonia combustion: A combined DFT and experimental study. Proceedings of the Combustion Institute, 2017, 36, 637-644.	3.9	5
150	FTIR spectroscopy measurements and CFD simulations of the pollutants arising from unflued combustion in a room. Building and Environment, 2001, 36, 597-603.	6.9	4
151	Raising gradient limitations in 2.1â€‰GHz superconducting photonic band gap accelerator cavities. Applied Physics Letters, 2014, 104, 242603.	3.3	4
152	Hydrothermal Decomposition of Glucose in the Presence of Ammonium. Industrial & Engineering Chemistry Research, 2021, 60, 10129-10138.	3.7	4
153	Transport mechanisms in oil shale drying and pyrolysis. Energy & Fuels, 1992, 6, 831-835.	5.1	3
154	Comment on Trondheim Paper. Algal Research, 2015, 9, 322.	4.6	2
155	Active Sites in Soot Growth. Springer Series in Chemical Physics, 1994, , 275-289.	0.2	2
156	Transient phenomena in the steam-carbon reaction. Proceedings of the Combustion Institute, 1988, 21, 203-210.	0.3	1
157	Cryogenic testing of the 2.1â€‰GHz five-cell superconducting RF cavity with a photonic band gap coupler cell. Applied Physics Letters, 2016, 108, 222603.	3.3	1
158	Substituted Aromatic Aldehyde Decomposition under Hydrothermal Conditions. Energy & Fuels, 2022, 36, 5375-5383.	5.1	1
159	Energy profiles of hydrogen migration in the early stages of lizardite dehydroxylation. Computational Materials Science, 2015, 98, 435-445.	3.0	0