Fei Qi

List of PR Articles by Year in descending order

270 PR articles	13,427 PR citations	13954 58 PR h-index	14773 113 g-index
286 documents	15933 doc citations	16021 61 h-index	8341 citing authors

#	Article	IF	PR Citations
1	Investigation on the Flame Front and Flow Field in Acoustically Excited Swirling Flames with and without Confinement. Combustion Science and Technology, 2022, 194, 130-143.	2.0	15
2	Applying an in-situ calibration method of spectral line shape to determine flame temperature of methane and ethylene spherically expanding flames. Combustion and Flame, 2022, 237, 111743.	6.0	1
3	Effects of swirler position on flame response and combustion instabilities. Chinese Journal of Aeronautics, 2022, 35, 345-355.	4.8	17
4	Exploring NH3 and NOx Interaction Chemistry With CH4 and C2H4 at Moderate Temperatures and Various Pressures. Frontiers in Energy Research, 2022, 10, .	2.1	5
5	Experimental and kinetic modeling study of the homogeneous chemistry of NH3 and NOx with CH4 at the diluted conditions. Combustion and Flame, 2022, 243, 112015.	6.0	35
6	Multi-functional switch effect in interlocking molecular rotators-on-graphene systems using electric fields. Journal of Materials Chemistry C, 2022, 10, 5292-5302.	5.1	27
7	The effects of injector size on the dynamics and instabilities of lean premixed swirling flame. Aerospace Science and Technology, 2022, 123, 107463.	5.1	15
8	Direct mass spectrometric observation and reaction mechanism of gas-phase initial intermediates during CL-20 decomposition. Combustion and Flame, 2022, 241, 112095.	6.0	19
9	Online investigation of lignin depolymerization via reactor-integrated electrospray ionization high-resolution mass spectrometry. Applications in Energy and Combustion Science, 2022, 10, 100069.	1.8	5
10	Experimental investigations on coherent flow structures in acoustically excited swirling flames using temporally-separated dual-plane Stereo-PIV. Experimental Thermal and Fluid Science, 2022, 136, 110673.	3.0	3
11	Improved laser absorption spectroscopy measurements of flame temperature via a collisional line-mixing model for CO2 spectra near 4.17ÂÂµm. Applied Physics B: Lasers and Optics, 2022, 128, .	1.8	10
12	Experimental investigation of the helical mode in a stratified swirling flame. Combustion and Flame, 2022, 244, 112268.	6.0	26
13	Relationship of gain and phase in the transfer function of swirling flames. Proceedings of the Combustion Institute, 2021, 38, 6173-6182.	4.4	9
14	Evidence of a Phenolic Pool as a Key Intermediate for Zeoliteâ€Catalyzed Lignin Pyrolysis. Angewandte Chemie - International Edition, 2021, 60, 2643-2647.	14.4	52
15	Pd encapsulated by hollow silica spheres for enhanced total oxidation of methane in the presence of water. Catalysis Communications, 2021, 149, 106185.	4.5	4
16	Investigation on spray and combustion characteristics of boron/ethanol nanofuel utilizing 50ÂkHz repetition rate high-speed laser measurements. Fuel, 2021, 287, 119562.	7.5	15
17	Insights into the interaction kinetics between propene and NOx at moderate temperatures with experimental and modeling methods. Proceedings of the Combustion Institute, 2021, 38, 795-803.	4.4	21
18	Evidence of a Phenolic Pool as a Key Intermediate for Zeoliteâ€Catalyzed Lignin Pyrolysis. Angewandte Chemie, 2021, 133, 2675-2679.	1.4	5

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19	Unraveling chemical structure of laminar premixed tetralin flames at low pressure with photoionization mass spectrometry and kinetic modeling. International Journal of Chemical Kinetics, 2021, 53, 154-163.	1.5	8
20	Harnessing peak transmission around symptom onset for non-pharmaceutical intervention and containment of the COVID-19 pandemic. Nature Communications, 2021, 12, .	13.9	44
21	Sulfur vacancy-rich MoS2 as a catalyst for the hydrogenation of CO2 to methanol. Nature Catalysis, 2021, 4, 242-250.	41.5	623
22	Decomposition of swirling flame transfer function in the complex space. Combustion and Flame, 2021, 228, 29-41.	6.0	13
23	Exploring pyrolysis and oxidation chemistry of o-xylene at various pressures with special concerns on PAH formation. Combustion and Flame, 2021, 228, 351-363.	6.0	30
24	Single camera 20â€‰â€‰kHz two-color formaldehyde PLIF thermometry using a dual-wavelength-switching burst mode laser. Optics Letters, 2021, 46, 5149.	3.0	7
25	Effects of acoustic liner on thermoacoustic instabilities in a premixed swirl combustor. Aerospace Science and Technology, 2021, 118, 107070.	5.1	20
26	Exploring the interaction kinetics of butene isomers and NOx at low temperatures and diluted conditions. Combustion and Flame, 2021, 233, 111557.	6.0	11
27	Low-temperature oxidation chemistry of 2,4,4-trimethyl-1-pentene (diisobutylene) triggered by dimethyl ether (DME): A jet-stirred reactor oxidation and kinetic modeling investigation. Combustion and Flame, 2021, 234, 111629.	6.0	7
28	Study of the thermal decomposition mechanism of FOX-7 by molecular dynamics simulation and online photoionization mass spectrometry. RSC Advances, 2020, 10, 21147-21157.	4.4	19
29	Formation and Fate of Formaldehyde in Methanolâ€toâ€Hydrocarbon Reaction: In Situ Synchrotron Radiation Photoionization Mass Spectrometry Study. Angewandte Chemie, 2020, 132, 4903-4908.	1.4	4
30	Formation and Fate of Formaldehyde in Methanolâ€toâ€Hydrocarbon Reaction: In Situ Synchrotron Radiation Photoionization Mass Spectrometry Study. Angewandte Chemie - International Edition, 2020, 59, 4873-4878.	14.4	76
31	Experimental and kinetic modeling investigation on ethylcyclohexane low-temperature oxidation in a jet-stirred reactor. Combustion and Flame, 2020, 214, 211-223.	6.0	38
32	Elevated pressure low-temperature oxidation of linear five-heavy-atom fuels: diethyl ether, n-pentane, and their mixture. Zeitschrift Fur Physikalische Chemie, 2020, 234, 1269-1293.	2.7	13
33	20 kHz dual-plane stereo-PIV measurements on a swirling flame using a two-legged burst-mode laser. Optics Letters, 2020, 45, 5756.	3.0	9
34	Investigation on spherically expanding flame temperature of n-butane/air mixtures with tunable diode laser absorption spectroscopy. Proceedings of the Combustion Institute, 2019, 37, 1589-1596.	4.4	9
35	Understanding benzene formation pathways in pyrolysis of two C6H10 isomers: Cyclohexene and 1,5-hexadiene. Proceedings of the Combustion Institute, 2019, 37, 1091-1098.	4.4	20
36	Low-temperature gas-phase oxidation of diethyl ether: Fuel reactivity and fuel-specific products. Proceedings of the Combustion Institute, 2019, 37, 511-519.	4.4	78

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37	Investigation on 1-heptene/air laminar flame propagation under elevated pressures. Chinese Journal of Chemical Physics, 2019, 32, 99-106.	1.1	6
38	Probing the low-temperature chemistry of di-n-butyl ether: Detection of previously unobserved intermediates. Combustion and Flame, 2019, 210, 9-24.	6.0	32
39	Experimental and kinetic modeling study on flow reactor pyrolysis of iso-pentanol: Understanding of iso-pentanol pyrolysis chemistry and fuel isomeric effects of pentanol. Fuel, 2019, 257, 116039.	7.5	19
40	Gas-Phase Reaction Network of Li/MgO-Catalyzed Oxidative Coupling of Methane and Oxidative Dehydrogenation of Ethane. ACS Catalysis, 2019, 9, 2514-2520.	12.4	92
41	Experimental investigation of entropy waves generated from acoustically excited premixed swirling flame. Combustion and Flame, 2019, 204, 85-102.	6.0	32
42	Pressure-sensitive paint with imprinted pattern for full-field endoscopic measurement using a color camera. Sensors and Actuators A: Physical, 2019, 290, 28-35.	4.5	13
43	Low-temperature chemistry triggered by probe cooling in a low-pressure premixed flame. Combustion and Flame, 2019, 204, 260-267.	6.0	21
44	Exploration of the pyrolysis chemistry of 1,1-diethoxybutane: A flow reactor and kinetic modeling study. Fuel, 2019, 236, 437-444.	7.5	1
45	Online photoionization mass spectrometric evaluation of catalytic co-pyrolysis of cellulose and polyethylene over HZSM-5. Bioresource Technology, 2019, 275, 130-137.	9.7	45
46	On-line photoionization mass spectrometric study of lignin and lignite co-pyrolysis: Insight into the synergetic effect. Journal of Analytical and Applied Pyrolysis, 2019, 137, 285-292.	5.9	34
47	Experimental and kinetic modeling investigation on anisole pyrolysis: Implications on phenoxy and cyclopentadienyl chemistry. Combustion and Flame, 2019, 201, 187-199.	6.0	55
48	Pyrolysis of butane-2,3â€‘dione from low to high pressures: Implications for methyl-related growth chemistry. Combustion and Flame, 2019, 200, 69-81.	6.0	18
49	Real-time monitoring biomass pyrolysis via on-line photoionization ultrahigh-resolution mass spectrometry. Fuel, 2019, 235, 962-971.	7.5	38
50	High-repetition-rate burst-mode-laser diagnostics of an unconfined lean premixed swirling flame under external acoustic excitation. Applied Optics, 2019, 58, C68.	1.5	13
51	10â€‰â€‰kHz simultaneous PIV/PLIF study of the diffusion flame response to periodic acoustic forcing. Applied Optics, 2019, 58, C112.	1.5	14
52	Acetaldehyde oxidation at low and intermediate temperatures: An experimental and kinetic modeling investigation. Combustion and Flame, 2018, 191, 431-441.	6.0	51
53	Interlocking Mechanism between Molecular Gears Attached to Surfaces. ACS Nano, 2018, 12, 3020-3029.	15.3	25
54	Deciphering the working mechanism of aggregation-induced emission of tetraphenylethylene derivatives by ultrafast spectroscopy. Chemical Science, 2018, 9, 4662-4670.	7.1	184

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55	Experimental and theoretical investigation on cellular instability of methanol/air flames. Fuel, 2018, 225, 95-103.	7.5	56
56	Pressure-dependent branching in initial decomposition of gamma-valerolactone: a quantum chemical/RRKM study. RSC Advances, 2018, 8, 12975-12983.	4.4	11
57	Experimental and kinetic modeling investigation of rich premixed toluene flames doped with n-butanol. Physical Chemistry Chemical Physics, 2018, 20, 10628-10636.	2.7	12
58	Ab initio kinetics on low temperature oxidation of iso-pentane: The first oxygen addition. Combustion and Flame, 2018, 190, 119-132.	6.0	30
59	Interlocking Molecular Gear Chains Built on Surfaces. Journal of Physical Chemistry Letters, 2018, 9, 2611-2619.	4.2	20
60	Two-dimensional temperature and carbon dioxide concentration profiles in atmospheric laminar diffusion flames measured by mid-infrared direct absorption spectroscopy at 4.2 Î¼m. Applied Physics B: Lasers and Optics, 2018, 124, .	1.8	57
61	Exploring the low-temperature oxidation chemistry of cyclohexane in a jet-stirred reactor: An experimental and kinetic modeling study. Chinese Journal of Chemical Physics, 2018, 31, 537-546.	1.1	12
62	How Does the Flexibility of Molecules Affect the Performance of Molecular Rotors?. Journal of Physical Chemistry C, 2018, 122, 25067-25074.	3.1	18
63	Intramolecular Torque Study of a Molecular Rotation Stimulated by Electron Injection and Extraction. Journal of Physical Chemistry A, 2018, 122, 7614-7619.	2.5	8
64	Investigation on pyrolysis mechanism of guaiacol as lignin model compound at atmospheric pressure. Fuel, 2018, 232, 632-638.	7.5	78
65	Fragment motion in motor molecules: basic concepts and application to intra-molecular rotations. Physical Chemistry Chemical Physics, 2018, 20, 21487-21497.	2.7	6
66	Toward real-time volumetric tomography for combustion diagnostics via dimension reduction. Optics Letters, 2018, 43, 1107.	3.0	29
67	N-Doped Carbonâ€“Silica Composite Confined Pd Nanoparticles for Abatement of Methane Emission From Automobiles. Topics in Catalysis, 2018, 62, 356-367.	2.5	2
68	Temporally resolved two dimensional temperature field of acoustically excited swirling flames measured by mid-infrared direct absorption spectroscopy. Optics Express, 2018, 26, 31983.	3.0	21
69	Experimental and kinetic modeling study of diethyl ether flames. Proceedings of the Combustion Institute, 2017, 36, 1165-1173.	4.4	66
70	Measuring hydroperoxide chain-branching agents during n-pentane low-temperature oxidation. Proceedings of the Combustion Institute, 2017, 36, 333-342.	4.4	75
71	Predictive kinetics on the formation and decomposition of ethylbenzene. Proceedings of the Combustion Institute, 2017, 36, 533-542.	4.4	20
72	Experimental and kinetic modeling study of premixed n-butylbenzene flames. Proceedings of the Combustion Institute, 2017, 36, 815-823.	4.4	24

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73	A thermal decomposition study of pine wood under ambient pressure using thermogravimetry combined with synchrotron vacuum ultraviolet photoionization mass spectrometry. Proceedings of the Combustion Institute, 2017, 36, 2217-2224.	4.4	30
74	Donor/Acceptor Properties of Aromatic Molecules in Complex Metalâ€“Molecule Interfaces. Langmuir, 2017, 33, 451-458.	3.6	14
75	A comprehensive experimental and kinetic modeling study of n-propylbenzene combustion. Combustion and Flame, 2017, 186, 178-192.	6.0	53
76	Challenges and perspectives of combustion chemistry research. Science China Chemistry, 2017, 60, 1391-1401.	8.3	19
77	Influence of the biofuel isomers diethyl ether and n-butanol on flame structure and pollutant formation in premixed n-butane flames. Combustion and Flame, 2017, 175, 47-59.	6.0	45
78	Using sensitivity entropy in experimental design for uncertainty minimization of combustion kinetic models. Proceedings of the Combustion Institute, 2017, 36, 709-716.	4.4	33
79	Experimental and kinetic modeling study of laminar premixed decalin flames. Proceedings of the Combustion Institute, 2017, 36, 1193-1202.	4.4	20
80	Experimental and kinetic modeling study of laminar coflow diffusion methane flames doped with iso-butanol. Proceedings of the Combustion Institute, 2017, 36, 1259-1267.	4.4	16
81	Pyrolysis of n-Butylbenzene at Various Pressures: Influence of Long Side-Chain Structure on Alkylbenzene Pyrolysis. Energy & Fuels, 2017, 31, 14270-14279.	5.2	53
82	On-Line Photoionization Mass Spectrometric Study on Behavior of Ammonia Poisoning on H-Form Ultra Stable Y Zeolite for Catalytic Pyrolysis of Polypropylene. Chinese Journal of Chemical Physics, 2016, 29, 681-686.	1.1	7
83	The vacuum ultraviolet beamline/endstations atÂNSRL dedicated to combustion research. Journal of Synchrotron Radiation, 2016, 23, 1035-1045.	2.9	192
84	Accelerate global sensitivity analysis using artificial neural network algorithm: Case studies for combustion kinetic model. Combustion and Flame, 2016, 168, 53-64.	6.0	87
85	A comprehensive experimental and kinetic modeling study of tert-butanol combustion. Combustion and Flame, 2016, 169, 154-170.	6.0	27
86	Intramolecular torque, an indicator of the internal rotation direction of rotor molecules and similar systems. Physical Chemistry Chemical Physics, 2016, 18, 29665-29672.	2.7	16
87	Extractive Atmospheric Pressure Photoionization (EAPPI) Mass Spectrometry: Rapid Analysis of Chemicals in Complex Matrices. Journal of the American Society for Mass Spectrometry, 2016, 27, 1597-1605.	2.6	15
88	Influence of Thermal Treatment of HUSY on Catalytic Pyrolysis of Polypropylene: An Online Photoionization Mass Spectrometric Study. Energy & Fuels, 2016, 30, 5122-5129.	5.2	16
89	Study of the Formation of the First Aromatic Rings in the Pyrolysis of Cyclopentene. Journal of Physical Chemistry A, 2016, 120, 668-682.	2.5	21
90	Experimental and kinetic modeling investigation on decalin pyrolysis at low to atmospheric pressures. Combustion and Flame, 2016, 167, 228-237.	6.0	22

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91	A comprehensive experimental and kinetic modeling study of ethylbenzene combustion. Combustion and Flame, 2016, 166, 255-265.	6.0	76
92	Pyrolysis Study on Solid Fuels: From Conventional Analytical Methods to Synchrotron Vacuum Ultraviolet Photoionization Mass Spectrometry. Energy & Fuels, 2016, 30, 1534-1543.	5.2	35
93	Online Analysis of Biomass Pyrolysis Tar by Photoionization Mass Spectrometry. Energy & Fuels, 2016, 30, 1555-1563.	5.2	66
94	Online Study on the Catalytic Pyrolysis of Bituminous Coal over HUSY and HZSM-5 with Photoionization Time-of-Flight Mass Spectrometry. Energy & Fuels, 2016, 30, 1598-1604.	5.2	51
95	Vacuum ultraviolet photofragmentation of octadecane: photoionization mass spectrometric and theoretical investigation. Applied Petrochemical Research, 2015, 5, 305-311.	1.6	2
96	Pyrolysis of 2-methyl-1-butanol at low and atmospheric pressures: Mass spectrometry and modeling studies. Proceedings of the Combustion Institute, 2015, 35, 409-417.	4.4	19
97	Experimental and kinetic modeling study of premixed o-xylene flames. Proceedings of the Combustion Institute, 2015, 35, 1745-1752.	4.4	51
98	Experimental and kinetic modeling investigation on laminar premixed benzene flames with various equivalence ratios. Proceedings of the Combustion Institute, 2015, 35, 855-862.	4.4	62
99	Investigation on primary decomposition of ethylcyclohexane at atmospheric pressure. Proceedings of the Combustion Institute, 2015, 35, 367-375.	4.4	54
100	Experimental and kinetic modeling study of the low- and intermediate-temperature oxidation of dimethyl ether. Combustion and Flame, 2015, 162, 1113-1125.	6.0	139
101	Online Study on the Pyrolysis of Polypropylene over the HZSM-5 Zeolite with Photoionization Time-of-Flight Mass Spectrometry. Energy & Fuels, 2015, 29, 1090-1098.	5.2	69
102	Kinetic modeling study of benzene and PAH formation in laminar methane flames. Combustion and Flame, 2015, 162, 1692-1711.	6.0	87
103	Experimental and kinetic modeling study of laminar coflow diffusion methane flames doped with 2-butanol. Proceedings of the Combustion Institute, 2015, 35, 863-871.	4.4	21
104	Experimental and kinetic modeling study of n-pentanol pyrolysis and combustion. Combustion and Flame, 2015, 162, 3277-3287.	6.0	42
105	Kinetics of ethylcyclohexane pyrolysis and oxidation: An experimental and detailed kinetic modeling study. Combustion and Flame, 2015, 162, 2873-2892.	6.0	79
106	Experimental and kinetic modeling study of styrene combustion. Combustion and Flame, 2015, 162, 1868-1883.	6.0	57
107	Ultrasonic nebulization extraction/low pressure photoionization mass spectrometry for direct analysis of chemicals in matrices. Analytica Chimica Acta, 2015, 891, 203-210.	5.8	23
108	Investigation on the pyrolysis and oxidation of toluene over a wide range conditions. I. Flow reactor pyrolysis and jet stirred reactor oxidation. Combustion and Flame, 2015, 162, 3-21.	6.0	218

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109	Investigation on the pyrolysis and oxidation of toluene over a wide range conditions. II. A comprehensive kinetic modeling study. Combustion and Flame, 2015, 162, 22-40.	6.0	126
110	Experimental and kinetic modeling study of i-butanol pyrolysis and combustion. Combustion and Flame, 2014, 161, 1955-1971.	6.0	32
111	A coordinated investigation of the combustion chemistry of diisopropyl ketone, a prototype for biofuels produced by endophytic fungi. Combustion and Flame, 2014, 161, 711-724.	6.0	62
112	Experimental and kinetic modeling study of 2,5-dimethylfuran pyrolysis at various pressures. Combustion and Flame, 2014, 161, 2496-2511.	6.0	114
113	Experimental and kinetic modeling study on methylcyclohexane pyrolysis and combustion. Combustion and Flame, 2014, 161, 84-100.	6.0	156
114	Products from the Oxidation of Linear Isomers of Hexene. Journal of Physical Chemistry A, 2014, 118, 673-683.	2.5	55
115	Experimental and Modeling Investigation of n-Decane Pyrolysis at Supercritical Pressures. Energy & Fuels, 2014, 28, 6019-6028.	5.2	77
116	Experimental Investigation of the Low Temperature Oxidation of the Five Isomers of Hexane. Journal of Physical Chemistry A, 2014, 118, 5573-5594.	2.5	60
117	Experimental and kinetic modeling study of PAH formation in methane coflow diffusion flames doped with n-butanol. Combustion and Flame, 2014, 161, 657-670.	6.0	44
118	Experimental and kinetic modeling study of pyrolysis and oxidation of n-decane. Combustion and Flame, 2014, 161, 1701-1715.	6.0	114
119	Advances and challenges in laminar flame experiments and implications for combustion chemistry. Progress in Energy and Combustion Science, 2014, 43, 36-67.	39.5	504
120	Experimental and kinetic modeling study of tetralin pyrolysis at low pressure. Proceedings of the Combustion Institute, 2013, 34, 1739-1748.	4.4	57
121	Analysis of Petroleum Aromatics by Laser-Induced Acoustic Desorption/Tunable Synchrotron Vacuum Ultraviolet Photoionization Mass Spectrometry. Energy & Fuels, 2013, 27, 2010-2017.	5.2	11
122	An experimental and modeling study of methyl propanoate pyrolysis at low pressure. Combustion and Flame, 2013, 160, 1958-1966.	6.0	58
123	Experimental and kinetic modeling study of 2-butanol pyrolysis and combustion. Combustion and Flame, 2013, 160, 1939-1957.	6.0	66
124	Experimental and detailed kinetic modeling study of PAH formation in laminar co-flow methane diffusion flames. Proceedings of the Combustion Institute, 2013, 34, 1811-1818.	4.4	32
125	Methyl Radicals in Oxidative Coupling of Methane Directly Confirmed by Synchrotron VUV Photoionization Mass Spectroscopy. Scientific Reports, 2013, 3, .	3.5	90
126	Combustion chemistry probed by synchrotron VUV photoionization mass spectrometry. Proceedings of the Combustion Institute, 2013, 34, 33-63.	4.4	394

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127	An experimental and theoretical study of pyrrolidine pyrolysis at low pressure. Proceedings of the Combustion Institute, 2013, 34, 641-648.	4.4	12
128	An experimental and kinetic modeling study of premixed nitroethane flames at low pressure. Proceedings of the Combustion Institute, 2013, 34, 617-624.	4.4	35
129	Pyrolysis study of poplar biomass by tunable synchrotron vacuum ultraviolet photoionization mass spectrometry. Proceedings of the Combustion Institute, 2013, 34, 2347-2354.	4.4	65
130	An experimental study on the formation of polycyclic aromatic hydrocarbons in laminar coflow non-premixed methane/air flames doped with four isomeric butanols. Proceedings of the Combustion Institute, 2013, 34, 779-786.	4.4	41
131	An experimental and kinetic modeling investigation on a rich premixed n-propylbenzene flame at low pressure. Proceedings of the Combustion Institute, 2013, 34, 1785-1793.	4.4	50
132	Experimental and theoretical studies of pyrolysis of chrysophanol and its derivatives. Journal of Analytical and Applied Pyrolysis, 2013, 100, 237-244.	5.9	4
133	Revealing the chemistry of biomass pyrolysis by means of tunable synchrotron photoionisation-mass spectrometry. RSC Advances, 2013, 3, 4786.	4.4	58
134	Catalytic oxidation of methane over PdO in wire microcalorimetry. Combustion and Flame, 2013, 160, 149-154.	6.0	13
135	Online Analysis of Volatile Products from Bituminous Coal Pyrolysis with Synchrotron Vacuum Ultraviolet Photoionization Mass Spectrometry. Energy & Fuels, 2013, 27, 694-701.	5.2	64
136	Kinetics of Decomposition and Isomerization of Methylcyclohexane: Starting Point for Studying Monoalkylated Cyclohexanes Combustion. Energy & Fuels, 2013, 27, 1679-1687.	5.2	52
137	Product Identification and Mass Spectrometric Analysis of n-Butane and i-Butane Pyrolysis at Low Pressure. Chinese Journal of Chemical Physics, 2013, 26, 151-156.	1.1	9
138	Photoionization Mass Spectrometric and Kinetic Modeling of Low-pressure Pyrolysis of Benzene. Chinese Journal of Chemical Physics, 2013, 26, 245-251.	1.1	21
139	Experimental and Theoretical Study on Pyrolysis of Isopsoralen. Chinese Journal of Chemical Physics, 2012, 25, 249-253.	1.1	1
140	VUV Photoionization and Dissociation of Tyramine and Dopamine: the Joint Experimental and Theoretical Studies. Chinese Journal of Chemical Physics, 2012, 25, 11-18.	1.1	6
141	Experimental and Kinetic Modeling Study ofn-Butanol Pyrolysis and Combustion. Energy & Fuels, 2012, 26, 5550-5568.	5.2	132
142	Study of the Low Temperature Oxidation of Propane. Journal of Physical Chemistry A, 2012, 116, 12214-12228.	2.5	65
143	Experimental and kinetic modeling study of tert-butanol combustion at low pressure. Energy, 2012, 43, 94-102.	9.1	30
144	Investigation of the effect of ethanol additives on the structure of low-pressure ethylene flames by photoionization mass spectrometry. Combustion, Explosion and Shock Waves, 2012, 48, 609-619.	0.8	8

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145	Theoretical Studies on the Unimolecular Decomposition of Propanediols and Glycerol. Journal of Physical Chemistry A, 2012, 116, 4457-4465.	2.5	14
146	Theoretical Studies on the Unimolecular Decomposition of Ethylene Glycol. Journal of Physical Chemistry A, 2012, 116, 55-63.	2.5	31
147	Experimental and modeling investigation of the low-temperature oxidation of n-heptane. Combustion and Flame, 2012, 159, 3455-3471.	6.0	191
148	Experimental and kinetic modeling study of methyl butanoate and methyl butanoate/methanol flames at different equivalence ratios and C/O ratios. Combustion and Flame, 2012, 159, 44-54.	6.0	27
149	An experimental and kinetic modeling study of three butene isomers pyrolysis at low pressure. Combustion and Flame, 2012, 159, 905-917.	6.0	152
150	An experimental and kinetic modeling study of cyclohexane pyrolysis at low pressure. Combustion and Flame, 2012, 159, 2243-2253.	6.0	118
151	Experimental and modeling study of the effects of adding oxygenated fuels to premixed n-heptane flames. Combustion and Flame, 2012, 159, 2324-2335.	6.0	95
152	On-line product analysis of pine wood pyrolysis using synchrotron vacuum ultraviolet photoionization mass spectrometry. Analytical and Bioanalytical Chemistry, 2012, 405, 7097-7105.	3.5	22
153	Detailed product analysis during the low temperature oxidation of n-butane. Physical Chemistry Chemical Physics, 2011, 13, 296-308.	2.7	114
154	Pyrolysis ofn-Heptane: Experimental and Theoretical Study. Journal of Physical Chemistry A, 2011, 115, 1593-1601.	2.5	57
155	Dissociation Pathway Analysis of Thymine under Low Energy VUV Photon Excitation. Chinese Journal of Chemical Physics, 2011, 24, 275-283.	1.1	2
156	Unimolecular Decomposition of Ethyl Hydroperoxide: Ab Initio/Riceâ^'Ramspergerâ^'Kasselâ^'Marcus Theoretical Prediction of Rate Constants. Journal of Physical Chemistry A, 2011, 115, 602-611.	2.5	20
157	Recent developments in synchrotron vacuum ultraviolet photoionization coupled to mass spectrometry. TrAC - Trends in Analytical Chemistry, 2011, 30, 1400-1409.	11.2	46
158	Photoionization Mass Spectrometry: A Useful Method to Evaluate the Pyrolysis Process of Glycoside Flavor Precursor. Journal of the Chinese Chemical Society, 2011, 58, 290-295.	1.5	4
159	Fluorescent pyrene-centered starburst oligocarbazoles with excellent thermal and electrochemical stabilities. Organic and Biomolecular Chemistry, 2011, 9, 6913.	2.6	16
160	An experimental and kinetic modeling study of premixed nitromethane flames at low pressure. Proceedings of the Combustion Institute, 2011, 33, 407-414.	4.4	65
161	Experimental and theoretical studies on decomposition of pyrrolidine. Proceedings of the Combustion Institute, 2011, 33, 415-423.	4.4	18
162	Experimental and modeling investigation on premixed ethylbenzene flames at low pressure. Proceedings of the Combustion Institute, 2011, 33, 617-624.	4.4	59

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163	Newâ€Phased Metastable V₂O₃ Porous Urchinlike Micronanostructures: Facile Synthesis and Application in Aqueous Lithium Ion Batteries. Chemistry - A European Journal, 2011, 17, 384-391.	3.4	72
164	Combustion of butanol isomers â€“ A detailed molecular beam mass spectrometry investigation of their flame chemistry. Combustion and Flame, 2011, 158, 2-15.	6.0	204
165	An experimental and kinetic investigation of premixed furan/oxygen/argon flames. Combustion and Flame, 2011, 158, 756-773.	6.0	125
166	Determination of absolute photoionization cross-sections of nitrogenous compounds. International Journal of Mass Spectrometry, 2011, 303, 137-146.	1.6	45
167	New experimental evidences about the formation and consumption of ketohydroperoxides. Proceedings of the Combustion Institute, 2011, 33, 325-331.	4.4	68
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