

Fei Qi

List of Publications by Year in descending order

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7123
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation on the Flame Front and Flow Field in Acoustically Excited Swirling Flames with and without Confinement. <i>Combustion Science and Technology</i> , 2022, 194, 130-143.	2.3	8
2	Applying an in-situ calibration method of spectral line shape to determine flame temperature of methane and ethylene spherically expanding flames. <i>Combustion and Flame</i> , 2022, 237, 111743.	5.2	0
3	Effects of swirler position on flame response and combustion instabilities. <i>Chinese Journal of Aeronautics</i> , 2022, 35, 345-355.	5.3	8
4	Evolution characteristics of 3D vortex structures in stratified swirling flames studied by dual-plane stereoscopic PIV. <i>Combustion and Flame</i> , 2022, 237, 111874.	5.2	10
5	Exploring NH ₃ and NO _x Interaction Chemistry With CH ₄ and C ₂ H ₄ at Moderate Temperatures and Various Pressures. <i>Frontiers in Energy Research</i> , 2022, 10, .	2.3	3
6	Virtual Special Issue of Recent Advances in Analysis of Fuels and Products by Advanced Mass Spectrometry. <i>Energy & Fuels</i> , 2022, 36, 1151-1154.	5.1	0
7	Experimental and kinetic modeling study of the homogeneous chemistry of NH ₃ and NO _x with CH ₄ at the diluted conditions. <i>Combustion and Flame</i> , 2022, 243, 112015.	5.2	15
8	Multi-functional switch effect in interlocking molecular rotators-on-graphene systems using electric fields. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5292-5302.	5.5	14
9	The effects of injector size on the dynamics and instabilities of lean premixed swirling flame. <i>Aerospace Science and Technology</i> , 2022, 123, 107463.	4.8	5
10	Direct mass spectrometric observation and reaction mechanism of gas-phase initial intermediates during CL-20 decomposition. <i>Combustion and Flame</i> , 2022, 241, 112095.	5.2	5
11	Online Investigation of Lignin Depolymerization via Reactor-integrated Electrospray Ionization High-resolution Mass Spectrometry. <i>Applications in Energy and Combustion Science</i> , 2022, , 100069.	1.5	1
12	Experimental investigations on coherent flow structures in acoustically excited swirling flames using temporally-separated dual-plane Stereo-PIV. <i>Experimental Thermal and Fluid Science</i> , 2022, 136, 110673.	2.7	1
13	Improved laser absorption spectroscopy measurements of flame temperature via a collisional line-mixing model for CO ₂ spectra near 4.17 Åμm. <i>Applied Physics B: Lasers and Optics</i> , 2022, 128, .	2.2	6
14	Experimental investigation of the helical mode in a stratified swirling flame. <i>Combustion and Flame</i> , 2022, 244, 112268.	5.2	5
15	Investigation on the intrinsic thermoacoustic instability of a lean-premixed swirl combustor with an acoustic liner. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 6095-6103.	3.9	16
16	Relationship of gain and phase in the transfer function of swirling flames. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 6173-6182.	3.9	7
17	Probing the fuel-specific intermediates in the low-temperature oxidation of 1-heptene and modeling interpretation. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 385-394.	3.9	8
18	Dynamics of periodically-excited vortices in swirling flames. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 6183-6191.	3.9	12

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19	Evidence of a Phenolic Pool as a Key Intermediate for Zeolite-Catalyzed Lignin Pyrolysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2643-2647.	13.8	33
20	Exploring the low-temperature oxidation chemistry of 1-butene and i-butene triggered by dimethyl ether. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 289-298.	3.9	9
21	Pd encapsulated by hollow silica spheres for enhanced total oxidation of methane in the presence of water. <i>Catalysis Communications</i> , 2021, 149, 106185.	3.3	2
22	Investigation on spray and combustion characteristics of boron/ethanol nanofuel utilizing 50 kHz repetition rate high-speed laser measurements. <i>Fuel</i> , 2021, 287, 119562.	6.4	10
23	Insights into the interaction kinetics between propene and NO _x at moderate temperatures with experimental and modeling methods. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 795-803.	3.9	15
24	Gas-phase hydrodeoxygenation of bio-oil model compound over nitrogen-doped carbon-supported palladium catalyst. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 4345-4353.	3.9	12
25	Evidence of a Phenolic Pool as a Key Intermediate for Zeolite-Catalyzed Lignin Pyrolysis. <i>Angewandte Chemie</i> , 2021, 133, 2675-2679.	2.0	5
26	Unraveling chemical structure of laminar premixed tetralin flames at low pressure with photoionization mass spectrometry and kinetic modeling. <i>International Journal of Chemical Kinetics</i> , 2021, 53, 154-163.	1.6	6
27	Imaging of Polar and Nonpolar Lipids Using Desorption Electrospray Ionization/Post-photoionization Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2021, 2306, 285-298.	0.9	2
28	Vortex formation and frequency tuning of periodically-excited jet diffusion flames. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 2067-2074.	3.9	4
29	Harnessing peak transmission around symptom onset for non-pharmaceutical intervention and containment of the COVID-19 pandemic. <i>Nature Communications</i> , 2021, 12, 1147.	12.8	36
30	Sulfur vacancy-rich MoS ₂ as a catalyst for the hydrogenation of CO ₂ to methanol. <i>Nature Catalysis</i> , 2021, 4, 242-250.	34.4	308
31	Insights into the Decomposition and Oxidation Chemistry of <i>p</i> -Xylene in Laminar Premixed Flames. <i>Journal of Physical Chemistry A</i> , 2021, 125, 3189-3197.	2.5	7
32	Decomposition of swirling flame transfer function in the complex space. <i>Combustion and Flame</i> , 2021, 228, 29-41.	5.2	7
33	Exploring pyrolysis and oxidation chemistry of <i>o</i> -xylene at various pressures with special concerns on PAH formation. <i>Combustion and Flame</i> , 2021, 228, 351-363.	5.2	21
34	Online Study on the Catalytic Hydrotreatment of Guaiacol in Liquid Phase by Vacuum Ultraviolet Photoionization Time-of-Flight Mass Spectrometry. <i>Energy & Fuels</i> , 2021, 35, 13863-13870.	5.1	3
35	Continuous Butadiyne Addition to Propargyl: A Radical-Efficient Pathway for Polycyclic Aromatic Hydrocarbons. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 8109-8114.	4.6	17
36	Single camera 20 kHz two-color formaldehyde PLIF thermometry using a dual-wavelength-switching burst mode laser. <i>Optics Letters</i> , 2021, 46, 5149.	3.3	2

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37	In Situ Reactor-Integrated Electrospray Ionization Mass Spectrometry for Heterogeneous Catalytic Reactions and Its Application in the Process Analysis of High-Pressure Liquid-Phase Lignin Depolymerization. <i>Analytical Chemistry</i> , 2021, 93, 12987-12994.	6.5	8
38	Effects of acoustic liner on thermoacoustic instabilities in a premixed swirl combustor. <i>Aerospace Science and Technology</i> , 2021, 118, 107070.	4.8	8
39	Exploring the interaction kinetics of butene isomers and NO _x at low temperatures and diluted conditions. <i>Combustion and Flame</i> , 2021, 233, 111557.	5.2	8
40	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. <i>Combustion and Flame</i> , 2021, 234, 111629.	5.2	7
41	In Situ Atmospheric Pressure Photoionization Mass Spectrometric Monitoring of Initial Pyrolysis Products of Biomass in Real Time. <i>Analytical Chemistry</i> , 2020, 92, 603-606.	6.5	22
42	Study of the thermal decomposition mechanism of FOX-7 by molecular dynamics simulation and online photoionization mass spectrometry. <i>RSC Advances</i> , 2020, 10, 21147-21157.	3.6	13
43	Formation and Fate of Formaldehyde in Methanol- α -C ₄ H ₁₀ Hydrocarbon Reaction: In Situ Synchrotron Radiation Photoionization Mass Spectrometry Study. <i>Angewandte Chemie</i> , 2020, 132, 4903-4908.	2.0	2
44	Formation and Fate of Formaldehyde in Methanol- α -C ₄ H ₁₀ Hydrocarbon Reaction: In Situ Synchrotron Radiation Photoionization Mass Spectrometry Study. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4873-4878.	13.8	50
45	Experimental and kinetic modeling investigation on ethylcyclohexane low-temperature oxidation in a jet-stirred reactor. <i>Combustion and Flame</i> , 2020, 214, 211-223.	5.2	31
46	Three-dimensional concentration field imaging in a swirling flame via endoscopic volumetric laser-induced fluorescence at 10-kHz-rate. <i>Science China Technological Sciences</i> , 2020, 63, 2163-2168.	4.0	4
47	Elevated pressure low-temperature oxidation of linear five-heavy-atom fuels: diethyl ether, n-pentane, and their mixture. <i>Zeitschrift Fur Physikalische Chemie</i> , 2020, 234, 1269-1293.	2.8	11
48	20 kHz dual-plane stereo-PIV measurements on a swirling flame using a two-legged burst-mode laser. <i>Optics Letters</i> , 2020, 45, 5756.	3.3	6
49	Investigation on spherically expanding flame temperature of n-butane/air mixtures with tunable diode laser absorption spectroscopy. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 1589-1596.	3.9	6
50	Understanding benzene formation pathways in pyrolysis of two C ₆ H ₁₀ isomers: Cyclohexene and 1,5-hexadiene. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 1091-1098.	3.9	16
51	Low-temperature gas-phase oxidation of diethyl ether: Fuel reactivity and fuel-specific products. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 511-519.	3.9	52
52	Investigation on 1-heptene/air laminar flame propagation under elevated pressures. <i>Chinese Journal of Chemical Physics</i> , 2019, 32, 99-106.	1.3	4
53	Probing the low-temperature chemistry of di-n-butyl ether: Detection of previously unobserved intermediates. <i>Combustion and Flame</i> , 2019, 210, 9-24.	5.2	26
54	Experimental and kinetic modeling study on flow reactor pyrolysis of iso-pentanol: Understanding of iso-pentanol pyrolysis chemistry and fuel isomeric effects of pentanol. <i>Fuel</i> , 2019, 257, 116039.	6.4	15

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55	N-Doped Carbon@Silica Composite Confined Pd Nanoparticles for Abatement of Methane Emission From Automobiles. <i>Topics in Catalysis</i> , 2019, 62, 356-367.	2.8	2
56	Gas-Phase Reaction Network of Li/MgO-Catalyzed Oxidative Coupling of Methane and Oxidative Dehydrogenation of Ethane. <i>ACS Catalysis</i> , 2019, 9, 2514-2520.	11.2	71
57	Experimental investigation of entropy waves generated from acoustically excited premixed swirling flame. <i>Combustion and Flame</i> , 2019, 204, 85-102.	5.2	30
58	Pressure-sensitive paint with imprinted pattern for full-field endoscopic measurement using a color camera. <i>Sensors and Actuators A: Physical</i> , 2019, 290, 28-35.	4.1	10
59	Low-temperature chemistry triggered by probe cooling in a low-pressure premixed flame. <i>Combustion and Flame</i> , 2019, 204, 260-267.	5.2	18
60	Exploration of the pyrolysis chemistry of 1,1-diethoxybutane: A flow reactor and kinetic modeling study. <i>Fuel</i> , 2019, 236, 437-444.	6.4	1
61	Online photoionization mass spectrometric evaluation of catalytic co-pyrolysis of cellulose and polyethylene over HZSM-5. <i>Bioresource Technology</i> , 2019, 275, 130-137.	9.6	34
62	On-line photoionization mass spectrometric study of lignin and lignite co-pyrolysis: Insight into the synergetic effect. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019, 137, 285-292.	5.5	31
63	Experimental and kinetic modeling investigation on anisole pyrolysis: Implications on phenoxy and cyclopentadienyl chemistry. <i>Combustion and Flame</i> , 2019, 201, 187-199.	5.2	34
64	Pyrolysis of butane-2,3-dione from low to high pressures: Implications for methyl-related growth chemistry. <i>Combustion and Flame</i> , 2019, 200, 69-81.	5.2	13
65	Real-time monitoring biomass pyrolysis via on-line photoionization ultrahigh-resolution mass spectrometry. <i>Fuel</i> , 2019, 235, 962-971.	6.4	29
66	Suppression of Combustion Instabilities in a Premixed Swirl Combustor With Acoustic Liner. , 2019, , .		2
67	High-repetition-rate burst-mode-laser diagnostics of an unconfined lean premixed swirling flame under external acoustic excitation. <i>Applied Optics</i> , 2019, 58, C68.	1.8	10
68	10 ⁴ kHz simultaneous PIV/PLIF study of the diffusion flame response to periodic acoustic forcing. <i>Applied Optics</i> , 2019, 58, C112.	1.8	14
69	Acetaldehyde oxidation at low and intermediate temperatures: An experimental and kinetic modeling investigation. <i>Combustion and Flame</i> , 2018, 191, 431-441.	5.2	43
70	Interlocking Mechanism between Molecular Gears Attached to Surfaces. <i>ACS Nano</i> , 2018, 12, 3020-3029.	14.6	21
71	Deciphering the working mechanism of aggregation-induced emission of tetraphenylethylene derivatives by ultrafast spectroscopy. <i>Chemical Science</i> , 2018, 9, 4662-4670.	7.4	150
72	Experimental and theoretical investigation on cellular instability of methanol/air flames. <i>Fuel</i> , 2018, 225, 95-103.	6.4	42

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73	Pressure-dependent branching in initial decomposition of gamma-valerolactone: a quantum chemical/RRKM study. RSC Advances, 2018, 8, 12975-12983.	3.6	8
74	Experimental and kinetic modeling investigation of rich premixed toluene flames doped with <i>n</i> -butanol. Physical Chemistry Chemical Physics, 2018, 20, 10628-10636.	2.8	9
75	Ab initio kinetics on low temperature oxidation of iso-pentane: The first oxygen addition. Combustion and Flame, 2018, 190, 119-132.	5.2	25
76	Interlocking Molecular Gear Chains Built on Surfaces. Journal of Physical Chemistry Letters, 2018, 9, 2611-2619.	4.6	17
77	Two-dimensional temperature and carbon dioxide concentration profiles in atmospheric laminar diffusion flames measured by mid-infrared direct absorption spectroscopy at 4.2 μ m. Applied Physics B: Lasers and Optics, 2018, 124, 1.	2.2	46
78	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.	1.3	10
79	How Does the Flexibility of Molecules Affect the Performance of Molecular Rotors?. Journal of Physical Chemistry C, 2018, 122, 25067-25074.	3.1	15
80	Intramolecular Torque Study of a Molecular Rotation Stimulated by Electron Injection and Extraction. Journal of Physical Chemistry A, 2018, 122, 7614-7619.	2.5	6
81	Investigation on pyrolysis mechanism of guaiacol as lignin model compound at atmospheric pressure. Fuel, 2018, 232, 632-638.	6.4	56
82	Fragment motion in motor molecules: basic concepts and application to intra-molecular rotations. Physical Chemistry Chemical Physics, 2018, 20, 21487-21497.	2.8	5
83	Toward real-time volumetric tomography for combustion diagnostics via dimension reduction. Optics Letters, 2018, 43, 1107.	3.3	28
84	Temporally resolved two dimensional temperature field of acoustically excited swirling flames measured by mid-infrared direct absorption spectroscopy. Optics Express, 2018, 26, 31983.	3.4	17
85	The Application of Diagnostic Techniques Utilizing Ultra-high Repetition Rate Laser in Typical Industrial Reacting Flows. , 2018, , .		0
86	Experimental and kinetic modeling study of diethyl ether flames. Proceedings of the Combustion Institute, 2017, 36, 1165-1173.	3.9	50
87	Measuring hydroperoxide chain-branching agents during n-pentane low-temperature oxidation. Proceedings of the Combustion Institute, 2017, 36, 333-342.	3.9	66
88	Predictive kinetics on the formation and decomposition of ethylbenzene. Proceedings of the Combustion Institute, 2017, 36, 533-542.	3.9	15
89	Experimental and kinetic modeling study of premixed n-butylbenzene flames. Proceedings of the Combustion Institute, 2017, 36, 815-823.	3.9	20
90	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.	3.9	26

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91	Donor/Acceptor Properties of Aromatic Molecules in Complex Metal-Molecule Interfaces. <i>Langmuir</i> , 2017, 33, 451-458.	3.5	13
92	A comprehensive experimental and kinetic modeling study of n-propylbenzene combustion. <i>Combustion and Flame</i> , 2017, 186, 178-192.	5.2	40
93	Challenges and perspectives of combustion chemistry research. <i>Science China Chemistry</i> , 2017, 60, 1391-1401.	8.2	15
94	Influence of the biofuel isomers diethyl ether and n-butanol on flame structure and pollutant formation in premixed n-butane flames. <i>Combustion and Flame</i> , 2017, 175, 47-59.	5.2	36
95	Using sensitivity entropy in experimental design for uncertainty minimization of combustion kinetic models. <i>Proceedings of the Combustion Institute</i> , 2017, 36, 709-716.	3.9	27
96	Experimental and kinetic modeling study of laminar premixed decalin flames. <i>Proceedings of the Combustion Institute</i> , 2017, 36, 1193-1202.	3.9	14
97	Experimental and kinetic modeling study of laminar coflow diffusion methane flames doped with iso-butanol. <i>Proceedings of the Combustion Institute</i> , 2017, 36, 1259-1267.	3.9	13
98	Pyrolysis of n-Butylbenzene at Various Pressures: Influence of Long Side-Chain Structure on Alkylbenzene Pyrolysis. <i>Energy & Fuels</i> , 2017, 31, 14270-14279.	5.1	47
99	Construction and performance of combustion beamline at NSRL. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	2
100	On-Line Photoionization Mass Spectrometric Study on Behavior of Ammonia Poisoning on H-Form Ultra Stable Y Zeolite for Catalytic Pyrolysis of Polypropylene. <i>Chinese Journal of Chemical Physics</i> , 2016, 29, 681-686.	1.3	6
101	The vacuum ultraviolet beamline/endstations at NSRL dedicated to combustion research. <i>Journal of Synchrotron Radiation</i> , 2016, 23, 1035-1045.	2.4	149
102	Accelerate global sensitivity analysis using artificial neural network algorithm: Case studies for combustion kinetic model. <i>Combustion and Flame</i> , 2016, 168, 53-64.	5.2	61
103	A comprehensive experimental and kinetic modeling study of tert-butanol combustion. <i>Combustion and Flame</i> , 2016, 169, 154-170.	5.2	22
104	Intramolecular torque, an indicator of the internal rotation direction of rotor molecules and similar systems. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 29665-29672.	2.8	13
105	Extractive Atmospheric Pressure Photoionization (EAPPI) Mass Spectrometry: Rapid Analysis of Chemicals in Complex Matrices. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 1597-1605.	2.8	14
106	Influence of Thermal Treatment of HUSY on Catalytic Pyrolysis of Polypropylene: An Online Photoionization Mass Spectrometric Study. <i>Energy & Fuels</i> , 2016, 30, 5122-5129.	5.1	10
107	Study of the Formation of the First Aromatic Rings in the Pyrolysis of Cyclopentene. <i>Journal of Physical Chemistry A</i> , 2016, 120, 668-682.	2.5	19
108	Experimental and kinetic modeling investigation on decalin pyrolysis at low to atmospheric pressures. <i>Combustion and Flame</i> , 2016, 167, 228-237.	5.2	18

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109	Selective conversion of syngas to light olefins. <i>Science</i> , 2016, 351, 1065-1068.	12.6	1,063
110	A comprehensive experimental and kinetic modeling study of ethylbenzene combustion. <i>Combustion and Flame</i> , 2016, 166, 255-265.	5.2	65
111	Pyrolysis Study on Solid Fuels: From Conventional Analytical Methods to Synchrotron Vacuum Ultraviolet Photoionization Mass Spectrometry. <i>Energy & Fuels</i> , 2016, 30, 1534-1543.	5.1	31
112	Online Analysis of Biomass Pyrolysis Tar by Photoionization Mass Spectrometry. <i>Energy & Fuels</i> , 2016, 30, 1555-1563.	5.1	55
113	Online Study on the Catalytic Pyrolysis of Bituminous Coal over HUSY and HZSM-5 with Photoionization Time-of-Flight Mass Spectrometry. <i>Energy & Fuels</i> , 2016, 30, 1598-1604.	5.1	45
114	Combustion Chemistry Study with Synchrotron VUV Photoionization Mass Spectrometry. , 2016, , .		0
115	Vacuum ultraviolet photofragmentation of octadecane: photoionization mass spectrometric and theoretical investigation. <i>Applied Petrochemical Research</i> , 2015, 5, 305-311.	1.3	1
116	Pyrolysis of 2-methyl-1-butanol at low and atmospheric pressures: Mass spectrometry and modeling studies. <i>Proceedings of the Combustion Institute</i> , 2015, 35, 409-417.	3.9	14
117	Experimental and kinetic modeling study of premixed o-xylene flames. <i>Proceedings of the Combustion Institute</i> , 2015, 35, 1745-1752.	3.9	45
118	Experimental and kinetic modeling investigation on laminar premixed benzene flames with various equivalence ratios. <i>Proceedings of the Combustion Institute</i> , 2015, 35, 855-862.	3.9	52
119	Investigation on primary decomposition of ethylcyclohexane at atmospheric pressure. <i>Proceedings of the Combustion Institute</i> , 2015, 35, 367-375.	3.9	47
120	Experimental and kinetic modeling study of the low- and intermediate-temperature oxidation of dimethyl ether. <i>Combustion and Flame</i> , 2015, 162, 1113-1125.	5.2	120
121	Online Study on the Pyrolysis of Polypropylene over the HZSM-5 Zeolite with Photoionization Time-of-Flight Mass Spectrometry. <i>Energy & Fuels</i> , 2015, 29, 1090-1098.	5.1	62
122	Kinetic modeling study of benzene and PAH formation in laminar methane flames. <i>Combustion and Flame</i> , 2015, 162, 1692-1711.	5.2	67
123	Experimental and kinetic modeling study of laminar coflow diffusion methane flames doped with 2-butanol. <i>Proceedings of the Combustion Institute</i> , 2015, 35, 863-871.	3.9	20
124	Experimental and kinetic modeling study of n-pentanol pyrolysis and combustion. <i>Combustion and Flame</i> , 2015, 162, 3277-3287.	5.2	35
125	Kinetics of ethylcyclohexane pyrolysis and oxidation: An experimental and detailed kinetic modeling study. <i>Combustion and Flame</i> , 2015, 162, 2873-2892.	5.2	70
126	Experimental and kinetic modeling study of styrene combustion. <i>Combustion and Flame</i> , 2015, 162, 1868-1883.	5.2	47

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127	Ultrasonic nebulization extraction/low pressure photoionization mass spectrometry for direct analysis of chemicals in matrices. <i>Analytica Chimica Acta</i> , 2015, 891, 203-210.	5.4	22
128	Investigation on the pyrolysis and oxidation of toluene over a wide range conditions. I. Flow reactor pyrolysis and jet stirred reactor oxidation. <i>Combustion and Flame</i> , 2015, 162, 3-21.	5.2	177
129	Investigation on the pyrolysis and oxidation of toluene over a wide range conditions. II. A comprehensive kinetic modeling study. <i>Combustion and Flame</i> , 2015, 162, 22-40.	5.2	108
130	Note: A novel vacuum ultraviolet light source assembly with aluminum-coated electrodes for enhancing the ionization efficiency of photoionization mass spectrometry. <i>Review of Scientific Instruments</i> , 2014, 85, 046110.	1.3	21
131	Experimental and kinetic modeling study of i-butanol pyrolysis and combustion. <i>Combustion and Flame</i> , 2014, 161, 1955-1971.	5.2	28
132	A coordinated investigation of the combustion chemistry of diisopropyl ketone, a prototype for biofuels produced by endophytic fungi. <i>Combustion and Flame</i> , 2014, 161, 711-724.	5.2	54
133	Experimental and kinetic modeling study of 2,5-dimethylfuran pyrolysis at various pressures. <i>Combustion and Flame</i> , 2014, 161, 2496-2511.	5.2	103
134	Experimental and kinetic modeling study on methylcyclohexane pyrolysis and combustion. <i>Combustion and Flame</i> , 2014, 161, 84-100.	5.2	126
135	Products from the Oxidation of Linear Isomers of Hexene. <i>Journal of Physical Chemistry A</i> , 2014, 118, 673-683.	2.5	50
136	Experimental and Modeling Investigation of <i>n</i> -Decane Pyrolysis at Supercritical Pressures. <i>Energy & Fuels</i> , 2014, 28, 6019-6028.	5.1	62
137	Experimental Investigation of the Low Temperature Oxidation of the Five Isomers of Hexane. <i>Journal of Physical Chemistry A</i> , 2014, 118, 5573-5594.	2.5	44
138	Experimental and kinetic modeling study of PAH formation in methane coflow diffusion flames doped with <i>n</i> -butanol. <i>Combustion and Flame</i> , 2014, 161, 657-670.	5.2	40
139	Experimental and kinetic modeling study of pyrolysis and oxidation of <i>n</i> -decane. <i>Combustion and Flame</i> , 2014, 161, 1701-1715.	5.2	87
140	Advances and challenges in laminar flame experiments and implications for combustion chemistry. <i>Progress in Energy and Combustion Science</i> , 2014, 43, 36-67.	31.2	434
141	On-line product analysis of pine wood pyrolysis using synchrotron vacuum ultraviolet photoionization mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 7097-7105.	3.7	19
142	Experimental and kinetic modeling study of tetralin pyrolysis at low pressure. <i>Proceedings of the Combustion Institute</i> , 2013, 34, 1739-1748.	3.9	53
143	Analysis of Petroleum Aromatics by Laser-Induced Acoustic Desorption/Tunable Synchrotron Vacuum Ultraviolet Photoionization Mass Spectrometry. <i>Energy & Fuels</i> , 2013, 27, 2010-2017.	5.1	11
144	An experimental and modeling study of methyl propanoate pyrolysis at low pressure. <i>Combustion and Flame</i> , 2013, 160, 1958-1966.	5.2	50

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145	Experimental and kinetic modeling study of 2-butanol pyrolysis and combustion. <i>Combustion and Flame</i> , 2013, 160, 1939-1957.	5.2	58
146	Experimental and detailed kinetic modeling study of PAH formation in laminar co-flow methane diffusion flames. <i>Proceedings of the Combustion Institute</i> , 2013, 34, 1811-1818.	3.9	32
147	Methyl Radicals in Oxidative Coupling of Methane Directly Confirmed by Synchrotron VUV Photoionization Mass Spectroscopy. <i>Scientific Reports</i> , 2013, 3, 1625.	3.3	75
148	Combustion chemistry probed by synchrotron VUV photoionization mass spectrometry. <i>Proceedings of the Combustion Institute</i> , 2013, 34, 33-63.	3.9	340
149	An experimental and theoretical study of pyrrolidine pyrolysis at low pressure. <i>Proceedings of the Combustion Institute</i> , 2013, 34, 641-648.	3.9	9
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