Oleg Korobeinichev

List of Publications by Year
in descending order

224 papers	3,152 citations	159585 30 h-index	243625 44 g-index
226 all docs	226 docs citations	226 times ranked	1410 citing authors

#	Article	IF	Citations
1	Investigation of the Impact of Pinus Silvestris Pine Needles Bed Parameters on the Spread of Ground Fire in Still Air. Combustion Science and Technology, 2023, 195, 3072-3094.	2.3	3
2	Ammonia and ammonia/hydrogen blends oxidation in a jet-stirred reactor: Experimental and numerical study. Fuel, 2022, 310, 122202.	6.4	34
3	Experimental and Numerical Study of Flame Spread Over Bed of Pine Needles. Fire Technology, 2022, 58, 1227-1264.	3.0	3
4	Ignition and burning of the composite sample impacted by the Bunsen burner flame: A fully coupled simulation. Fire Safety Journal, 2022, 127, 103507.	3.1	8
5	Experimental and Numerical Study of Downward Flame Spread over Glass-Fiber-Reinforced Epoxy Resin. Polymers, 2022, 14, 911.	4.5	6
6	Kinetic parameters and heat of reaction for forest fuels based on genetic algorithm optimization. Thermochimica Acta, 2022, 713, 179228.	2.7	1
7	The effect of triphenyl phosphate inhibition on flame propagation over cast PMMA slabs. Proceedings of the Combustion Institute, 2021, 38, 4635-4644.	3.9	11
8	Chemical structure of atmospheric pressure premixed laminar formic acid/hydrogen flames. Proceedings of the Combustion Institute, 2021, 38, 2379-2386.	3.9	8
9	Inhibition of premixed flames of methyl methacrylate by trimethylphosphate. Proceedings of the Combustion Institute, 2021, 38, 4625-4633.	3.9	14
10	Structure of premixed flames of propylene oxide: Molecular beam mass spectrometric study and numerical simulation. Proceedings of the Combustion Institute, 2021, 38, 2467-2475.	3.9	7
11	Experimental and numerical studies of downward flame spread over PMMA with and without addition of tri phenyl phosphate. Proceedings of the Combustion Institute, 2021, 38, 4867-4875.	3.9	15
12	The Mechanism of Reactions of Chemically Active Combustion Inhibitors in Flames. Russian Journal of Physical Chemistry B, 2021, 15, 433-446.	1.3	4
13	Revisit laminar premixed ethylene flames at elevated pressures: A mass spectrometric and laminar flame propagation study. Combustion and Flame, 2021, 230, 111422.	5.2	11
14	Numerical and experimental study of downward flame spread along multiple parallel fuel sheets. Fire Safety Journal, 2021, 125, 103414.	3.1	4
15	Laminar Burning Velocities of Formic Acid and Formic Acid/Hydrogen Flames: An Experimental and Modeling Study. Energy & Fuels, 2021, 35, 1760-1767.	5.1	5
16	Chemical structure and laminar burning velocity of atmospheric pressure premixed ammonia/hydrogen flames. International Journal of Hydrogen Energy, 2021, 46, 39942-39954.	7.1	34
17	An experimental study and numerical simulation of horizontal flame spread over polyoxymethylene in still air. Fire Safety Journal, 2020, 111, 102924.	3.1	9
18	Burning characteristics and soot formation in laminar methyl methacrylate pool flames. Combustion Theory and Modelling, 2020, 24, 1153-1178.	1.9	4

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19	Methyl-3-hexenoate combustion chemistry: Experimental study and numerical kinetic simulation. Combustion and Flame, 2020, 222, 170-180.	5.2	11
20	A study of the chemical structure of laminar premixed HC(O)OH/O2/Ar flames at 1 atm. AIP Conference Proceedings, 2020, , .	0.4	0
21	Detailed kinetic analysis of slow and fast pyrolysis of poly(methyl methacrylate)-Flame retardant mixtures. Thermochimica Acta, 2020, 687, 178545.	2.7	12
22	Effects of novel phosphorus-nitrogen-containing DOPO derivative salts on mechanical properties, thermal stability and flame retardancy of flexible polyurethane foam. Polymer Degradation and Stability, 2020, 177, 109160.	5.8	40
23	An insight into the gas-phase inhibition mechanism of polymers by addition of triphenyl phosphate flame retardant. AIP Conference Proceedings, 2020, , .	0.4	2
24	Effect of inhibitors on flammability limits of dimethyl ether/air mixtures. Proceedings of the Combustion Institute, 2019, 37, 4267-4275.	3.9	10
25	An experimental and numerical study of thermal and chemical structure of downward flame spread over PMMA surface in still air. Proceedings of the Combustion Institute, 2019, 37, 4017-4024.	3.9	22
26	Measuring the Surface Temperature of a Molecular Beam Probe in the Flame Front at Pressures of 1â€“5 atm. Combustion, Explosion and Shock Waves, 2019, 55, 555-561.	0.8	2
27	Two-step gas-phase reaction model for the combustion of polymeric fuel. Fuel, 2019, 255, 115878.	6.4	17
28	Effect of Addition of Methyl Hexanoate and Ethyl Pentanoate on the Structure of Premixed <i>n</i>-Heptane/Toluene/O₂/Ar Flame. Energy & Fuels, 2019, 33, 4585-4597.	5.1	9
29	Experimental and numerical study of polyoxymethylene (Aldrich) combustion in counterflow. Combustion and Flame, 2019, 205, 358-367.	5.2	10
30	Effect of inhibitor addition on the Markstein length in a distorted premixed dimethyl ether/air flame. Journal of Physics: Conference Series, 2019, 1404, 012055.	0.4	0
31	Combustion of ethyl acetate: the experimental study of flame structure and validation of chemical kinetic mechanisms. Mendeleev Communications, 2019, 29, 690-692.	1.6	11
32	Experimental and numerical study of the structure of premixed H2/CO/O2/Ar flames at atmospheric pressure. Journal of Physics: Conference Series, 2019, 1382, 012068.	0.4	2
33	Experimental Study and a Short Kinetic Model for High-Temperature Oxidation of Methyl Methacrylate. Combustion Science and Technology, 2019, 191, 1789-1814.	2.3	21
34	A study of the effects of ullage during the burning of horizontal <scp>PMMA</scp> and <scp>MMA</scp> surfaces. Fire and Materials, 2019, 43, 241-255.	2.0	7
35	Isothermal fast pyrolysis kinetics of synthetic polymers using analytical Pyroprobe. Journal of Analytical and Applied Pyrolysis, 2019, 139, 48-58.	5.5	31
36	Kinetics of thermal decomposition of PMMA at different heating rates and in a wide temperature range. Thermochimica Acta, 2019, 671, 17-25.	2.7	65

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37	An experimental study and numerical simulation of flame spread over surface of PMMA slab. Pozharovzryvobezopasnost/Fire and Explosion Safety, 2019, 28, 15-28.	0.5	0
38	The Effect of Methyl Pentanoate Addition on the Structure of a Non-Premixed Counterflow <i>n</i>-Heptane/O₂ Flame. Energy & Fuels, 2018, 32, 2397-2406.	5.1	11
39	Experimental Study and Numerical Modeling of Downward Flame Spread Along a Single Pine Needle: Part 1 (Experiments). Combustion Science and Technology, 2018, 190, 164-185.	2.3	3
40	Investigation of the structure and spread rate of flames over PMMA slabs. Applied Thermal Engineering, 2018, 130, 477-491.	6.0	28
41	An experimental study of horizontal flame spread over PMMA surface in still air. Combustion and Flame, 2018, 188, 388-398.	5.2	33
42	Numerical study of horizontal flame spread over PMMA surface in still air. Applied Thermal Engineering, 2018, 144, 937-944.	6.0	20
43	Numerical study of polyethylene burning in counterflow: Effect of pyrolysis kinetics and composition of pyrolysis products. Fire and Materials, 2018, 42, 826-833.	2.0	3
44	Comparative Analysis of the Chemical Structure of Ethyl Butanoate and Methyl Pentanoate Flames. Combustion, Explosion and Shock Waves, 2018, 54, 125-135.	0.8	15
45	Downward flame spread along a single pine needle: Numerical modelling. Combustion and Flame, 2018, 197, 161-181.	5.2	7
46	Autocatalysis in thermal decomposition of polymers. Polymer Degradation and Stability, 2017, 137, 151-161.	5.8	43
47	Reduced Chemical Kinetic Mechanism for Methyl Pentanoate Combustion. Energy & Fuels, 2017, 31, 14129-14137.	5.1	11
48	Preparation of fuel briquettes from plant biomass. Solid Fuel Chemistry, 2017, 51, 238-242.	0.7	3
49	Study of the Chemical Structure of Laminar Premixed H₂/CH₄/C₃H₈/O₂/Ar Flames at 1â€“5 atm. Energy & Fuels, 2017, 31, 11377-11390.	5.1	13
50	Combustion chemistry of ternary blends of hydrogen and C1â€“C4 hydrocarbons at atmospheric pressure. Combustion, Explosion and Shock Waves, 2017, 53, 491-499.	0.8	20
51	Autoignition mechanism of dimethyl etherâ€“air mixtures in the presence of atomic iron. Combustion, Explosion and Shock Waves, 2017, 53, 270-275.	0.8	3
52	The Velocity and Structure of the Flame Front at Spread of Fire Across the Pine Needle Bed Depending on the Wind Velocity. , 2017, , 771-779.		4
53	Structure of counterflow flame of ultrahigh-molecular-weight polyethylene with and without triphenylphosphate. Proceedings of the Combustion Institute, 2017, 36, 3279-3286.	3.9	9
54	Photoionization mass spectrometry and modeling study of a low-pressure premixed flame of ethyl pentanoate (ethyl valerate). Proceedings of the Combustion Institute, 2017, 36, 1185-1192.	3.9	5

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55	Structure of premixed H2/O2/Ar flames at 1â€“5 atm studied by molecular beam mass spectrometry and numerical simulation. Proceedings of the Combustion Institute, 2017, 36, 1233-1240.	3.9	23
56	Experimental and numerical investigation of the chemical reaction kinetics in H2/CO syngas flame at a pressure of 1â€“10 atm. Combustion, Explosion and Shock Waves, 2017, 53, 388-397.	0.8	7
57	Catalytic effect of submicron TiO2 particles on the methaneâ€“air flames speed. Combustion, Explosion and Shock Waves, 2016, 52, 155-166.	0.8	5
58	Counterflow flames of ultrahigh-molecular-weight polyethylene with and without triphenylphosphate. Combustion and Flame, 2016, 169, 261-271.	5.2	11
59	Combustion of hydrogen in round and plane microjets in transverse acoustic field at small Reynolds numbers as compared to propane combustion in the same conditions (Part I). International Journal of Hydrogen Energy, 2016, 41, 20231-20239.	7.1	13
60	Features of diffusion combustion of hydrogen in the round and plane high-speed microjets (part II). International Journal of Hydrogen Energy, 2016, 41, 20240-20249.	7.1	16
61	Structure of ultrahigh molecular weight polyethyleneâ€“air counterflow flame. Combustion, Explosion and Shock Waves, 2016, 52, 260-272.	0.8	2
62	Promoting effect of halogen- and phosphorus-containing flame retardants on the autoignition of a methaneâ€“oxygen mixture. Combustion, Explosion and Shock Waves, 2016, 52, 375-385.	0.8	8
63	Combustion of a high-velocity hydrogen microjet effluxing in air. Doklady Physics, 2016, 61, 457-462.	0.7	8
64	Structure of an n-heptane/toluene flame: Molecular beam mass spectrometry and computer simulation investigations. Combustion, Explosion and Shock Waves, 2016, 52, 142-154.	0.8	20
65	A skeletal mechanism for flame inhibition by trimethylphosphate. Combustion Theory and Modelling, 2016, 20, 189-202.	1.9	9
66	Effect of CO₂ Addition on the Structure of Premixed Fuel-Rich CH₄/O₂/N₂ and C₃H₈/O₂/N₂ Flames Stabilized on a Flat Burner at Atmospheric Pressure. Energy & Fuels, 2016, 30, 2395-2406.	5.1	16
67	An Experimental and Kinetic Modeling Study of Premixed Laminar Flames of Methyl Pentanoate and Methyl Hexanoate. Zeitschrift Fur Physikalische Chemie, 2015, 229, 759-780.	2.8	29
68	The effect of methyl pentanoate addition on the structure of premixed fuel-rich n-heptane/toluene flame at atmospheric pressure. Combustion and Flame, 2015, 162, 1964-1975.	5.2	34
69	Structure of CH4/O2/Ar flames at elevated pressures studied by flame sampling molecular beam mass spectrometry and numerical simulation. Combustion and Flame, 2015, 162, 3946-3959.	5.2	28
70	Experimental and numerical study of the structure of a premixed methyl decanoate/oxygen/argon glame. Combustion, Explosion and Shock Waves, 2015, 51, 285-292.	0.8	8
71	Investigation of the sampling nozzle effect on laminar flat flames. Combustion and Flame, 2015, 162, 1737-1747.	5.2	51
72	Fuel-Rich Premixed n-Heptane/Toluene Flame: a Molecular Beam Mass Spectrometry and Chemical Kinetic Study. Eurasian Chemico-Technological Journal, 2015, 16, 219.	0.6	0

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73	The flame structure in round and plane propane microjet combustion in a transverse acoustic field at low Reynolds numbers. Doklady Physics, 2014, 59, 596-600.	0.7	2
74	Spatial and temporal resolution of the particle image velocimetry technique in flame speed measurements. Combustion, Explosion and Shock Waves, 2014, 50, 510-517.	0.8	12
75	Multistage mechanism of thermal decomposition of hydrogen azide. Combustion, Explosion and Shock Waves, 2014, 50, 10-24.	0.8	5
76	Skeletal mechanism of inhibition and suppression of a methane-air flame by addition of trimethyl phosphate. Combustion, Explosion and Shock Waves, 2014, 50, 130-134.	0.8	5
77	Skeletal mechanism of inhibition and suppression of a hydrogen flame by addition of trimethylphosphate. Combustion, Explosion and Shock Waves, 2014, 50, 245-250.	0.8	1
78	Combustion Chemistry and Decomposition Kinetics of Forest Fuels. Procedia Engineering, 2013, 62, 182-193.	1.2	36
79	Influence of Triphenyl Phosphate on Degradation Kinetics of Ultrahigh-molecular-weight Polyethylene in Inert and Oxidative Media. Procedia Engineering, 2013, 62, 359-365.	1.2	6
80	Combustion chemistry of Ti(OC3H7)4 in premixed flat burner-stabilized H2/O2/Ar flame at 1 atm. Proceedings of the Combustion Institute, 2013, 34, 1143-1149.	3.9	30
81	The Influence of K4[Fe(CN)6] Aerosol on the Flame Speed of Methane-air Flame. Procedia Engineering, 2013, 62, 331-336.	1.2	1
82	Reduction of flammability of ultrahigh-molecular-weight polyethylene by using triphenyl phosphate additives. Proceedings of the Combustion Institute, 2013, 34, 2699-2706.	3.9	21
83	Experimental and numerical study of probe-induced perturbations of the flame structure. Combustion Theory and Modelling, 2013, 17, 1-24.	1.9	33
84	A numerical study of the superadiabatic flame temperature phenomenon in HN₃flames. Combustion Theory and Modelling, 2012, 16, 927-939.	1.9	7
85	Mechanism for Inhibition of Atmospheric-Pressure Syngas/Air Flames by Trimethylphosphate. Energy & Fuels, 2012, 26, 5528-5536.	5.1	18
86	Terahertz free-electron laser radiation to determine water concentration in flames. Combustion, Explosion and Shock Waves, 2012, 48, 387-392.	0.8	2
87	Reducing the flammability of ultra-high-molecular-weight polyethylene by triphenyl phosphate additives. Combustion, Explosion and Shock Waves, 2012, 48, 579-589.	0.8	5
88	Reduced kinetic mechanism for combustion of synthesis gas at elevated temperatures and pressures. Combustion, Explosion and Shock Waves, 2012, 48, 590-601.	0.8	1
89	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	7
90	Effect of ethanol on the chemistry of formation of precursors of polyaromatic hydrocarbons in a fuel-rich ethylene flame at atmospheric pressure. Combustion, Explosion and Shock Waves, 2012, 48, 661-676.	0.8	4

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91	Fire suppression by low-volatile chemically active fire suppressants using aerosol technology. Fire Safety Journal, 2012, 51, 102-109.	3.1	84
92	Experimental and numerical study of thermocouple-induced perturbations of the methane flame structure. Combustion and Flame, 2012, 159, 1009-1015.	5.2	15
93	Structure of atmospheric-pressure fuel-rich premixed ethylene flame with and without ethanol. Combustion and Flame, 2012, 159, 1840-1850.	5.2	58
94	Synthesis of mesoporous nanocrystalline TiO2 films in a premixed H2/O2/Ar flame. Combustion, Explosion and Shock Waves, 2012, 48, 49-56.	0.8	6
95	Dependence of the lower flammability limit on the initial temperature. Combustion, Explosion and Shock Waves, 2012, 48, 125-129.	0.8	4
96	Effect of Iron and Organophosphorus Flame Inhibitors on the Heat Release Rate in Hydrogen/Oxygen Flames at Low Pressure. Energy & Fuels, 2011, 25, 596-601.	5.1	5
97	Structure of an atmospheric-pressure H2/O2/N2 flame doped with iron pentacarbonyl. Combustion, Explosion and Shock Waves, 2011, 47, 1-11.	0.8	7
98	Increasing the burning velocity of a low-pressure hydrogen-oxygen flame by the addition of trimethyl phosphate in terms of Zelâ€™dovichâ€™s chain mechanism of flame propagation. Combustion, Explosion and Shock Waves, 2011, 47, 12-18.	0.8	3
99	Perturbations of the flame structure due to a thermocouple. I. Experiment. Combustion, Explosion and Shock Waves, 2011, 47, 403-413.	0.8	4
100	Perturbations of the flame structure due to a thermocouple. II. Modeling. Combustion, Explosion and Shock Waves, 2011, 47, 414-425.	0.8	0
101	Thermal decomposition of trimethylamine borane as a precursor to nanocrystalline CVD BC x N y films. Inorganic Materials, 2011, 47, 1199-1204.	0.8	2
102	Experimental and numerical studies of the lower flammability limit of mixtures of C1â€“C5 hydrocarbons with air. Combustion, Explosion and Shock Waves, 2011, 47, 651-658.	0.8	1
103	Inhibition of hydrogenâ€“oxygen flames by iron pentacarbonyl at atmospheric pressure. Proceedings of the Combustion Institute, 2011, 33, 2523-2529.	3.9	22
104	A study of low-pressure premixed ethylene flame with and without ethanol using photoionization mass spectrometry and modeling. Proceedings of the Combustion Institute, 2011, 33, 569-576.	3.9	36
105	MODELING OF SELF-IGNITION, STRUCTURE, AND VELOCITY OF PROPAGATION OF THE FLAME OF HYDROGEN AZIDE. International Journal of Energetic Materials and Chemical Propulsion, 2011, 10, 107-122.	0.3	1
106	Formation and consumption of NO in H2+O2+N2 flames doped with NO or NH3 at atmospheric pressure. Combustion and Flame, 2010, 157, 556-565.	5.2	57
107	Fire suppression by aerosols of aqueous solutions of salts. Combustion, Explosion and Shock Waves, 2010, 46, 16-20.	0.8	31
108	Chain-branching reactions in the processes of promotion and inhibition of hydrogen combustion. Combustion, Explosion and Shock Waves, 2010, 46, 140-148.	0.8	6

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109	Using terahertz radiation to detect OH radicals and NO molecules in flames. Combustion, Explosion and Shock Waves, 2010, 46, 149-153.	0.8	2
110	Detection of paramagnetic particles in a flame using terahertz radiation. Mendeleev Communications, 2010, 20, 55-56.	1.6	1
111	Mechanism of inhibition of hydrogen/oxygen flames of various compositions by trimethyl phosphate. Kinetics and Catalysis, 2010, 51, 154-161.	1.0	11
112	Kinetics, products, and mechanism of ethane destruction in corona discharge: Experiments and simulation. Kinetics and Catalysis, 2010, 51, 327-336.	1.0	1
113	Numerical Study of Inhibition of Hydrogen/Air Flames by Atomic Iron. Energy & Fuels, 2010, 24, 1552-1558.	5.1	11
114	Formation and Destruction of Nitric Oxide in NO Doped Premixed Flames of C₂H₄, C₂H₆, and C₃H₈ at Atmospheric Pressure. Energy & Fuels, 2010, 24, 4833-4840.	5.1	10
115	Thermal Decomposition of HN₃. Journal of Physical Chemistry A, 2010, 114, 839-846.	2.5	8
116	Study of the CL-20 flame structure using probing molecular beam mass spectrometry. Combustion, Explosion and Shock Waves, 2009, 45, 286-292.	0.8	5
117	Applicability of Zelâ€™dovichâ€™s theory of chain propagation of flames to combustion of hydrogen-oxygen mixtures. Combustion, Explosion and Shock Waves, 2009, 45, 507-510.	0.8	9
118	Kinetics and mechanism of chemical reactions in the H2/O2/N2 flame at atmospheric pressure. Kinetics and Catalysis, 2009, 50, 156-161.	1.0	21
119	Mechanism and kinetics of the thermal decomposition of 5-aminotetrazole. Kinetics and Catalysis, 2009, 50, 627-635.	1.0	38
120	Inhibition of atmospheric-pressure H2/O2/N2 flames by trimethylphosphate over range of equivalence ratio. Proceedings of the Combustion Institute, 2009, 32, 2591-2597.	3.9	32
121	Formation and destruction of nitric oxide in methane flames doped with NO at atmospheric pressure. Proceedings of the Combustion Institute, 2009, 32, 327-334.	3.9	28
122	Screening approaches for gas-phase activity of flame retardants. Proceedings of the Combustion Institute, 2009, 32, 2625-2632.	3.9	12
123	RDX AND HMX FLAME STRUCTURE AT A PRESSURE OF 0.1 MPa. International Journal of Energetic Materials and Chemical Propulsion, 2009, 8, 183-198.	0.3	1
124	Effect of trimethylphosphate additives on the flammability concentration limits of premixed methane-air mixtures. Combustion, Explosion and Shock Waves, 2008, 44, 9-17.	0.8	6
125	RDX flame structure at atmospheric pressure. Combustion, Explosion and Shock Waves, 2008, 44, 43-54.	0.8	12
126	Effect of the equivalence ratio on the effectiveness of inhibition of laminar premixed hydrogen-air and hydrocarbon-air flames by trimethylphosphate. Combustion, Explosion and Shock Waves, 2008, 44, 133-140.	0.8	8

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127	Suppression of hydrocarbon flames by organophosphorus compounds and their based mixtures. Combustion, Explosion and Shock Waves, 2008, 44, 266-272.	0.8	4
128	HMX flame structure for combustion in air at a pressure of 1 atm. Combustion, Explosion and Shock Waves, 2008, 44, 639-654.	0.8	8
129	Studies of degradation enhancement of polystyrene by flame retardant additives. Polymer Degradation and Stability, 2008, 93, 1664-1673.	5.8	70
130	Flame structure and combustion chemistry of energetic materials. Russian Journal of Physical Chemistry B, 2008, 2, 206-228.	1.3	12
131	Destruction of organophosphorus compounds in flames and nonthermal plasmas. Russian Journal of Physical Chemistry B, 2008, 2, 856-875.	1.3	3
132	The chemistry of combustion of organophosphorus compounds. Russian Chemical Reviews, 2007, 76, 1094-1121.	6.5	22
133	Structure of a freely propagating rich CH4/air flame containing triphenylphosphine oxide and hexabromocyclododecane. Combustion and Flame, 2007, 149, 384-391.	5.2	17
134	Application of molecular beam mass spectrometry in studying the structure of a diffusive counterflow flame of CH4/N2 and O2/N2 doped with trimethylphosphate. Combustion and Flame, 2007, 151, 37-45.	5.2	16
135	On the mechanism of action of phosphorus-containing retardants. Mendeleev Communications, 2007, 17, 186-187.	1.6	7
136	Influence of organophosphorus inhibitors on the structure of atmospheric lean and rich methane-oxygen flames. Combustion, Explosion and Shock Waves, 2007, 43, 143-151.	0.8	3
137	Propagation velocity of hydrocarbon-air flames containing organophosphorus compounds at atmospheric pressure. Combustion, Explosion and Shock Waves, 2007, 43, 253-257.	0.8	5
138	Effect of the addition of triphenylphosphine oxide, hexabromocyclododecane, and ethyl bromide on a CH4/O2/N2 flame at atmospheric pressure. Combustion, Explosion and Shock Waves, 2007, 43, 501-508.	0.8	6
139	Flame structure of composite pseudo-propellants based on nitramines and azide polymers at high pressure. Proceedings of the Combustion Institute, 2007, 31, 2079-2087.	3.9	4
140	Inhibition of atmospheric lean and rich CH4/O2/Ar flames by phosphorus-containing compound. Proceedings of the Combustion Institute, 2007, 31, 2741-2748.	3.9	71
141	Investigation of the structure of a CH4/N2-O2/N2 Counterflow diffusion flame using molecular beam and microprobe mass spectrometry. Combustion, Explosion and Shock Waves, 2006, 42, 389-395.	0.8	0
142	Promotion and inhibition of a hydrogenâ€"oxygen flame by the addition of trimethyl phosphate. Combustion, Explosion and Shock Waves, 2006, 42, 493-502.	0.8	14
143	Molecular-beam mass-spectrometric study of the flame structure of composite propellants based on nitramines and glycidyl azide polymer at a pressure of 1 MPa. Combustion, Explosion and Shock Waves, 2006, 42, 663-671.	0.8	4
144	Testing ogranophosphorus, organofluorine, and metal-containing compounds and solid-propellant gas-generating compositions doped with phosphorus-containing additives as effective fire suppressants. Combustion, Explosion and Shock Waves, 2006, 42, 678-687.	0.8	18

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145	STUDY OF ENERGETIC MATERIAL COMBUSTION CHEMISTRY BY PROBING MASS SPECTROMETRY AND MODELING OF FLAMES. Advanced Series in Physical Chemistry, 2005, , 75-102.	1.5	1
146	Inhibition of premixed and nonpremixed flames with phosphorus-containing compounds. Proceedings of the Combustion Institute, 2005, 30, 2345-2352.	3.9	32
147	Flame structure of HMX/GAP propellant at high pressure. Proceedings of the Combustion Institute, 2005, 30, 2105-2112.	3.9	11
148	Flame inhibition by phosphorus-containing compounds in lean and rich propane flames. Proceedings of the Combustion Institute, 2005, 30, 2353-2360.	3.9	67
149	Flame inhibition by phosphorus-containing compounds over a range of equivalence ratios. Combustion and Flame, 2005, 140, 103-115.	5.2	134
150	Study of Combustion Characteristics of Ammonium Dinitramide/Polycaprolactone Propellants. Journal of Propulsion and Power, 2003, 19, 203-212.	2.2	10
151	Kinetics, Products and Mechanism of Destruction of Ethane in Corona Discharge. Journal of Advanced Oxidation Technologies, 2003, 6, .	0.5	0
152	Kinetics of destruction of diisopropyl methylphosphonate in corona discharge. International Journal of Chemical Kinetics, 2002, 34, 331-337.	1.6	8
153	Combustion of ammonium dinitramide/polycaprolactone propellants. Proceedings of the Combustion Institute, 2002, 29, 2955-2961.	3.9	14
154	Mass spectrometric study of combustion and thermal decomposition of GAP. Combustion and Flame, 2002, 129, 136-150.	5.2	46
155	Title is missing!. Combustion, Explosion and Shock Waves, 2002, 38, 81-91.	0.8	5
156	Inhibition of Methaneâ€"Oxygen Flames by Organophosphorus Compounds. Combustion, Explosion and Shock Waves, 2002, 38, 127-133.	0.8	7
157	Thermal Decomposition of Ammonium Dinitramide Vapor in a Two-Temperature Flow Reactor. Combustion, Explosion and Shock Waves, 2002, 38, 284-294.	0.8	21
158	STRUCTURE OF AMMONIUM DINITRAMIDE FLAME AT 4.0 MPa. International Journal of Energetic Materials and Chemical Propulsion, 2002, 5, 486-491.	0.3	2
159	Inhibition and promotion of combustion by organophosphorus compounds added to flames of CH4 or H2 in O2 and Ar. Combustion and Flame, 2001, 125, 744-751.	5.2	48
160	Modeling the chemical reactions of ammonium dinitramide (ADN) in a flame. Combustion and Flame, 2001, 126, 1516-1523.	5.2	33
161	Mass spectrometric study of combustion of GAP- and ADN-based propellants. Combustion and Flame, 2001, 126, 1655-1661.	5.2	18
162	Flame structure of ADN/HTPB composite propellants. Combustion and Flame, 2001, 127, 2059-2065.	5.2	18

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163	The chemistry of the destruction of organophosphorus compounds in flamesâ€”IV: destruction of DIMP in a flame of H2 + O2 + Ar. Combustion and Flame, 2000, 123, 412-420.	5.2	26
164	The chemistry of the destruction of organophosphorus compounds in flamesâ€"III: the destruction of DMMP and TMP in a flame of hydrogen and oxygen. Combustion and Flame, 2000, 121, 593-609.	5.2	82
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166	The destruction chemistry of organophosphorus compounds in flamesâ€"I: quantitative determination of final phosphorus-containing species in hydrogen-oxygen flames. Combustion and Flame, 1999, 118, 718-726.	5.2	75
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