

Oleg Korobeinichev

List of Publications by Year in descending order

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papers

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docs citations

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times ranked

1410
citing authors

#	ARTICLE	IF	CITATIONS
1	Flame inhibition by phosphorus-containing compounds over a range of equivalence ratios. <i>Combustion and Flame</i> , 2005, 140, 103-115.	5.2	134
2	Fire suppression by low-volatile chemically active fire suppressants using aerosol technology. <i>Fire Safety Journal</i> , 2012, 51, 102-109.	3.1	84
3	The chemistry of the destruction of organophosphorus compounds in flames—III: the destruction of DMMP and TMP in a flame of hydrogen and oxygen. <i>Combustion and Flame</i> , 2000, 121, 593-609.	5.2	82
4	The destruction chemistry of organophosphorus compounds in flames—I: quantitative determination of final phosphorus-containing species in hydrogen-oxygen flames. <i>Combustion and Flame</i> , 1999, 118, 718-726.	5.2	75
5	Inhibition of atmospheric lean and rich CH ₄ /O ₂ /Ar flames by phosphorus-containing compound. <i>Proceedings of the Combustion Institute</i> , 2007, 31, 2741-2748.	3.9	71
6	Studies of degradation enhancement of polystyrene by flame retardant additives. <i>Polymer Degradation and Stability</i> , 2008, 93, 1664-1673.	5.8	70
7	Flame inhibition by phosphorus-containing compounds in lean and rich propane flames. <i>Proceedings of the Combustion Institute</i> , 2005, 30, 2353-2360.	3.9	67
8	Kinetics of thermal decomposition of PMMA at different heating rates and in a wide temperature range. <i>Thermochimica Acta</i> , 2019, 671, 17-25.	2.7	65
9	Destruction Chemistry of Dimethyl Methylphosphonate in H ₂ /O ₂ /Ar Flame Studied by Molecular Beam Mass Spectrometry. <i>Combustion Science and Technology</i> , 1996, 116-117, 51-67.	2.3	64
10	Structure of atmospheric-pressure fuel-rich premixed ethylene flame with and without ethanol. <i>Combustion and Flame</i> , 2012, 159, 1840-1850.	5.2	58
11	Formation and consumption of NO in H ₂ +O ₂ +N ₂ flames doped with NO or NH ₃ at atmospheric pressure. <i>Combustion and Flame</i> , 2010, 157, 556-565.	5.2	57
12	Investigation of the sampling nozzle effect on laminar flat flames. <i>Combustion and Flame</i> , 2015, 162, 1737-1747.	5.2	51
13	Molecular-Beam Mass-Spectrometry to Ammonium Dinitramide Combustion Chemistry Studies. <i>Journal of Propulsion and Power</i> , 1998, 14, 991-1000.	2.2	48
14	Inhibition and promotion of combustion by organophosphorus compounds added to flames of CH ₄ or H ₂ in O ₂ and Ar. <i>Combustion and Flame</i> , 2001, 125, 744-751.	5.2	48
15	Mass spectrometric study of combustion and thermal decomposition of GAP. <i>Combustion and Flame</i> , 2002, 129, 136-150.	5.2	46
16	The destruction chemistry of organophosphorus compounds in flames—II: structure of a hydrogen-oxygen flame doped with trimethyl phosphite. <i>Combustion and Flame</i> , 1999, 118, 727-732.	5.2	44
17	Autocatalysis in thermal decomposition of polymers. <i>Polymer Degradation and Stability</i> , 2017, 137, 151-161.	5.8	43
18	Effects of novel phosphorus-nitrogen-containing DOPO derivative salts on mechanical properties, thermal stability and flame retardancy of flexible polyurethane foam. <i>Polymer Degradation and Stability</i> , 2020, 177, 109160.	5.8	40

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19	Mechanism and kinetics of the thermal decomposition of 5-aminotetrazole. <i>Kinetics and Catalysis</i> , 2009, 50, 627-635.	1.0	38
20	A study of low-pressure premixed ethylene flame with and without ethanol using photoionization mass spectrometry and modeling. <i>Proceedings of the Combustion Institute</i> , 2011, 33, 569-576.	3.9	36
21	Combustion Chemistry and Decomposition Kinetics of Forest Fuels. <i>Procedia Engineering</i> , 2013, 62, 182-193.	1.2	36
22	The effect of methyl pentanoate addition on the structure of premixed fuel-rich n-heptane/toluene flame at atmospheric pressure. <i>Combustion and Flame</i> , 2015, 162, 1964-1975.	5.2	34
23	Chemical structure and laminar burning velocity of atmospheric pressure premixed ammonia/hydrogen flames. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 39942-39954.	7.1	34
24	Ammonia and ammonia/hydrogen blends oxidation in a jet-stirred reactor: Experimental and numerical study. <i>Fuel</i> , 2022, 310, 122202.	6.4	34
25	Kinetic calculations and mechanism definition for reactions in an ammonium perchlorate flame. <i>Combustion, Explosion and Shock Waves</i> , 1982, 18, 180-189.	0.8	33
26	Modeling the chemical reactions of ammonium dinitramide (ADN) in a flame. <i>Combustion and Flame</i> , 2001, 126, 1516-1523.	5.2	33
27	Experimental and numerical study of probe-induced perturbations of the flame structure. <i>Combustion Theory and Modelling</i> , 2013, 17, 1-24.	1.9	33
28	An experimental study of horizontal flame spread over PMMA surface in still air. <i>Combustion and Flame</i> , 2018, 188, 388-398.	5.2	33
29	Inhibition of premixed and nonpremixed flames with phosphorus-containing compounds. <i>Proceedings of the Combustion Institute</i> , 2005, 30, 2345-2352.	3.9	32
30	Inhibition of atmospheric-pressure H ₂ /O ₂ /N ₂ flames by trimethylphosphate over range of equivalence ratio. <i>Proceedings of the Combustion Institute</i> , 2009, 32, 2591-2597.	3.9	32
31	Fire suppression by aerosols of aqueous solutions of salts. <i>Combustion, Explosion and Shock Waves</i> , 2010, 46, 16-20.	0.8	31
32	Isothermal fast pyrolysis kinetics of synthetic polymers using analytical Pyroprobe. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019, 139, 48-58.	5.5	31
33	Combustion chemistry of Ti(OC ₃ H ₇) ₄ in premixed flat burner-stabilized H ₂ /O ₂ /Ar flame at 1 atm. <i>Proceedings of the Combustion Institute</i> , 2013, 34, 1143-1149.	3.9	30
34	An Experimental and Kinetic Modeling Study of Premixed Laminar Flames of Methyl Pentanoate and Methyl Hexanoate. <i>Zeitschrift Fur Physikalische Chemie</i> , 2015, 229, 759-780.	2.8	29
35	Formation and destruction of nitric oxide in methane flames doped with NO at atmospheric pressure. <i>Proceedings of the Combustion Institute</i> , 2009, 32, 327-334.	3.9	28
36	Structure of CH ₄ /O ₂ /Ar flames at elevated pressures studied by flame sampling molecular beam mass spectrometry and numerical simulation. <i>Combustion and Flame</i> , 2015, 162, 3946-3959.	5.2	28

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37	Investigation of the structure and spread rate of flames over PMMA slabs. Applied Thermal Engineering, 2018, 130, 477-491.	6.0	28
38	The chemistry of the destruction of organophosphorus compounds in flames—IV: destruction of DIMP in a flame of H ₂ + O ₂ + Ar. Combustion and Flame, 2000, 123, 412-420.	5.2	26
39	Substantiation of the probe mass-spectrometric method for studying the structure of flames with narrow combustion zones. Combustion, Explosion and Shock Waves, 1985, 21, 524-530.	0.8	23
40	Structure of premixed H ₂ /O ₂ /Ar flames at 1–5 atm studied by molecular beam mass spectrometry and numerical simulation. Proceedings of the Combustion Institute, 2017, 36, 1233-1240.	3.9	23
41	Measurement of the concentration profiles of reacting components and temperature in an ammonium perchlorate flame. Combustion, Explosion and Shock Waves, 1982, 18, 36-38.	0.8	22
42	The chemistry of combustion of organophosphorus compounds. Russian Chemical Reviews, 2007, 76, 1094-1121.	6.5	22
43	Inhibition of hydrogen–oxygen flames by iron pentacarbonyl at atmospheric pressure. Proceedings of the Combustion Institute, 2011, 33, 2523-2529.	3.9	22
44	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
45	Thermal Decomposition of Ammonium Dinitramide Vapor in a Two-Temperature Flow Reactor. Combustion, Explosion and Shock Waves, 2002, 38, 284-294.	0.8	21
46	Kinetics and mechanism of chemical reactions in the H ₂ /O ₂ /N ₂ flame at atmospheric pressure. Kinetics and Catalysis, 2009, 50, 156-161.	1.0	21
47	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
48	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
49	Dynamic flame probe mass spectrometry and condensed-system decomposition. Combustion, Explosion and Shock Waves, 1988, 23, 565-576.	0.8	20
50	Study of Solid Propellant Flame Structure by Mass-Spectrometric Sampling. Combustion Science and Technology, 1996, 113, 557-571.	2.3	20
51	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
52	Combustion chemistry of ternary blends of hydrogen and C ₁ –C ₄ hydrocarbons at atmospheric pressure. Combustion, Explosion and Shock Waves, 2017, 53, 491-499.	0.8	20
53	Numerical study of horizontal flame spread over PMMA surface in still air. Applied Thermal Engineering, 2018, 144, 937-944.	6.0	20
54	Processes in hexogene flames. Combustion, Explosion and Shock Waves, 1989, 24, 400-407.	0.8	19

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55	High-Temperature Decomposition of Ammonium Perchlorate-Polystyrene-Catalyst Mixtures. AIAA Journal, 1975, 13, 628-633.	2.6	18
56	Flame structure, kinetics and mechanism of chemical reactions in flames of mixed composition based on ammonium perchlorate and polybutadiene rubber. Combustion, Explosion and Shock Waves, 1992, 28, 366-371.	0.8	18
57	Mass spectrometric study of combustion of GAP- and ADN-based propellants. Combustion and Flame, 2001, 126, 1655-1661.	5.2	18
58	Flame structure of ADN/HTPB composite propellants. Combustion and Flame, 2001, 127, 2059-2065.	5.2	18
59	Testing organophosphorus, 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
60	Mechanism for Inhibition of Atmospheric-Pressure Syngas/Air Flames by Trimethylphosphate. Energy & Fuels, 2012, 26, 5528-5536.	5.1	18
61	Structure of a freely propagating rich CH ₄ /air flame containing triphenylphosphine oxide and hexabromocyclododecane. Combustion and Flame, 2007, 149, 384-391.	5.2	17
62	Two-step gas-phase reaction model for the combustion of polymeric fuel. Fuel, 2019, 255, 115878.	6.4	17
63	Hydrogen-oxygen flame doped with trimethyl phosphate, its structure and trimethyl phosphate destruction chemistry. Proceedings of the Combustion Institute, 1996, 26, 1035-1042.	0.3	16
64	Application of molecular beam mass spectrometry in studying the structure of a diffusive counterflow flame of CH ₄ /N ₂ and O ₂ /N ₂ doped with trimethylphosphate. Combustion and Flame, 2007, 151, 37-45.	5.2	16
65	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
66	Effect of CO ₂ Addition on the Structure of Premixed Fuel-Rich CH ₄ /O ₂ /N ₂ and C ₃ H ₈ /O ₂ /N ₂ Flames Stabilized on a Flat Burner at Atmospheric Pressure. Energy & Fuels, 2016, 30, 2395-2406.	5.1	16
67	Experimental and numerical study of thermocouple-induced perturbations of the methane flame structure. Combustion and Flame, 2012, 159, 1009-1015.	5.2	15
68	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
69	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
70	Combustion of ammonium dinitramide/polycaprolactone propellants. Proceedings of the Combustion Institute, 2002, 29, 2955-2961.	3.9	14
71	Promotion and inhibition of a hydrogen-oxygen flame by the addition of trimethyl phosphate. Combustion, Explosion and Shock Waves, 2006, 42, 493-502.	0.8	14
72	Inhibition of premixed flames of methyl methacrylate by trimethylphosphate. Proceedings of the Combustion Institute, 2021, 38, 4625-4633.	3.9	14

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73	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
74	Study of the Chemical Structure of Laminar Premixed $H_2/CH_4/C_3H_8/O_2/Ar$ Flames at 5 atm. Energy & Fuels, 2017, 31, 11377-11390.	5.1	13
75	Investigation of the kinetics and the chemical reaction mechanism in the flame of a mixed compound, based on ammonium perchlorate and polybutadiene rubber. Combustion, Explosion and Shock Waves, 1990, 26, 292-300.	0.8	12
76	RDX flame structure at atmospheric pressure. Combustion, Explosion and Shock Waves, 2008, 44, 43-54.	0.8	12
77	Flame structure and combustion chemistry of energetic materials. Russian Journal of Physical Chemistry B, 2008, 2, 206-228.	1.3	12
78	Screening approaches for gas-phase activity of flame retardants. Proceedings of the Combustion Institute, 2009, 32, 2625-2632.	3.9	12
79	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
80	Detailed kinetic analysis of slow and fast pyrolysis of poly(methyl methacrylate)-Flame retardant mixtures. Thermochemica Acta, 2020, 687, 178545.	2.7	12
81	Kinetics of catalytic decomposition of ammonium perchlorate and its mixtures with polystyrene. Combustion, Explosion and Shock Waves, 1973, 9, 54-60.	0.8	11
82	Flame structure of HMX/GAP propellant at high pressure. Proceedings of the Combustion Institute, 2005, 30, 2105-2112.	3.9	11
83	Mechanism of inhibition of hydrogen/oxygen flames of various compositions by trimethyl phosphate. Kinetics and Catalysis, 2010, 51, 154-161.	1.0	11
84	Numerical Study of Inhibition of Hydrogen/Air Flames by Atomic Iron. Energy & Fuels, 2010, 24, 1552-1558.	5.1	11
85	Counterflow flames of ultrahigh-molecular-weight polyethylene with and without triphenylphosphate. Combustion and Flame, 2016, 169, 261-271.	5.2	11
86	Reduced Chemical Kinetic Mechanism for Methyl Pentanoate Combustion. Energy & Fuels, 2017, 31, 14129-14137.	5.1	11
87	The Effect of Methyl Pentanoate Addition on the Structure of a Non-Premixed Counterflow n -Heptane/ O_2 Flame. Energy & Fuels, 2018, 32, 2397-2406.	5.1	11
88	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
89	Methyl-3-hexenoate combustion chemistry: Experimental study and numerical kinetic simulation. Combustion and Flame, 2020, 222, 170-180.	5.2	11
90	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

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91	Revisit laminar premixed ethylene flames at elevated pressures: A mass spectrometric and laminar flame propagation study. <i>Combustion and Flame</i> , 2021, 230, 111422.	5.2	11
92	Investigation of the chemical structure of the HMX flame. <i>Combustion, Explosion and Shock Waves</i> , 1984, 20, 282-285.	0.8	10
93	Study of Combustion Characteristics of Ammonium Dinitramide/Polycaprolactone Propellants. <i>Journal of Propulsion and Power</i> , 2003, 19, 203-212.	2.2	10
94	Formation and Destruction of Nitric Oxide in NO Doped Premixed Flames of C_2H_4 , C_2H_6 , and C_3H_8 at Atmospheric Pressure. <i>Energy & Fuels</i> , 2010, 24, 4833-4840.	5.1	10
95	Effect of inhibitors on flammability limits of dimethyl ether/air mixtures. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 4267-4275.	3.9	10
96	Experimental and numerical study of polyoxymethylene (Aldrich) combustion in counterflow. <i>Combustion and Flame</i> , 2019, 205, 358-367.	5.2	10
97	Study of the kinetics and mechanism of chemical reactions in hexogen flames. <i>Combustion, Explosion and Shock Waves</i> , 1987, 22, 544-553.	0.8	9
98	A study of condensed system flame structure. <i>Pure and Applied Chemistry</i> , 1993, 65, 269-276.	1.9	9
99	Laminar flame structure in a low-pressure premixed $H_2/O_2/Ar$ mixture. <i>Combustion, Explosion and Shock Waves</i> , 1999, 35, 239-244.	0.8	9
100	Applicability of Zel'dovich's theory of chain propagation of flames to combustion of hydrogen-oxygen mixtures. <i>Combustion, Explosion and Shock Waves</i> , 2009, 45, 507-510.	0.8	9
101	A skeletal mechanism for flame inhibition by trimethylphosphate. <i>Combustion Theory and Modelling</i> , 2016, 20, 189-202.	1.9	9
102	Structure of counterflow flame of ultrahigh-molecular-weight polyethylene with and without triphenylphosphate. <i>Proceedings of the Combustion Institute</i> , 2017, 36, 3279-3286.	3.9	9
103	Effect of Addition of Methyl Hexanoate and Ethyl Pentanoate on the Structure of Premixed n -Heptane/Toluene/ O_2 /Ar Flame. <i>Energy & Fuels</i> , 2019, 33, 4585-4597.	5.1	9
104	An experimental study and numerical simulation of horizontal flame spread over polyoxymethylene in still air. <i>Fire Safety Journal</i> , 2020, 111, 102924.	3.1	9
105	Study of the structure of a ten-atmosphere H_2-O_2-Ar flame using molecular-beam inlet mass-spectrometric probing. <i>Combustion, Explosion and Shock Waves</i> , 1996, 32, 245-250.	0.8	8
106	Kinetics of destruction of diisopropyl methylphosphonate in corona discharge. <i>International Journal of Chemical Kinetics</i> , 2002, 34, 331-337.	1.6	8
107	Effect of the equivalence ratio on the effectiveness of inhibition of laminar premixed hydrogen-air and hydrocarbon-air flames by trimethylphosphate. <i>Combustion, Explosion and Shock Waves</i> , 2008, 44, 133-140.	0.8	8
108	HMX flame structure for combustion in air at a pressure of 1 atm. <i>Combustion, Explosion and Shock Waves</i> , 2008, 44, 639-654.	0.8	8

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109	Thermal Decomposition of HN_3 . Journal of Physical Chemistry A, 2010, 114, 839-846.	2.5	8
110	Experimental and numerical study of the structure of a premixed methyl decanoate/oxygen/argon flame. Combustion, Explosion and Shock Waves, 2015, 51, 285-292.	0.8	8
111	Promoting effect of halogen- and phosphorus-containing flame retardants on the autoignition of a methane-oxygen mixture. Combustion, Explosion and Shock Waves, 2016, 52, 375-385.	0.8	8
112	Combustion of a high-velocity hydrogen microjet effluxing in air. Doklady Physics, 2016, 61, 457-462.	0.7	8
113	Chemical structure of atmospheric pressure premixed laminar formic acid/hydrogen flames. Proceedings of the Combustion Institute, 2021, 38, 2379-2386.	3.9	8
114	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
115	Microscopic and electron-microscopic study of catalysis of ammonium perchlorate combustion. Combustion, Explosion and Shock Waves, 1972, 8, 259-263.	0.8	7
116	Study of flame structure for mixed solid fuels based on ammonium perchlorate and polybutadiene rubber. Combustion, Explosion and Shock Waves, 1992, 28, 372-377.	0.8	7
117	Combustion Chemistry of Energetic Materials Studied by Probing Mass Spectrometry. Materials Research Society Symposia Proceedings, 1995, 418, 245.	0.1	7
118	Inhibition of Methane-Oxygen Flames by Organophosphorus Compounds. Combustion, Explosion and Shock Waves, 2002, 38, 127-133.	0.8	7
119	On the mechanism of action of phosphorus-containing retardants. Mendeleev Communications, 2007, 17, 186-187.	1.6	7
120	Structure of an atmospheric-pressure $\text{H}_2/\text{O}_2/\text{N}_2$ flame doped with iron pentacarbonyl. Combustion, Explosion and Shock Waves, 2011, 47, 1-11.	0.8	7
121	A numerical study of the superadiabatic flame temperature phenomenon in HN_3 flames. Combustion Theory and Modelling, 2012, 16, 927-939.	1.9	7
122	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
123	Downward flame spread along a single pine needle: Numerical modelling. Combustion and Flame, 2018, 197, 161-181.	5.2	7
124	A study of the effects of ullage during the burning of horizontal PMMA and MMA surfaces. Fire and Materials, 2019, 43, 241-255.	2.0	7
125	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
126	Experimental and numerical investigation of the chemical reaction kinetics in H_2/CO syngas flame at a pressure of ~ 10 atm. Combustion, Explosion and Shock Waves, 2017, 53, 388-397.	0.8	7

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127	Application of Mass-spectrometry to the Study of the Decomposition Kinetics and Mechanisms of Solids. Russian Chemical Reviews, 1969, 38, 957-965.	6.5	6
128	Destruction chemistry of organophosphorus compounds in hydrogen-oxygen flames. Combustion, Explosion and Shock Waves, 1997, 33, 270-283.	0.8	6
129	Effect of the addition of triphenylphosphine oxide, hexabromocyclododecane, and ethyl bromide on a CH ₄ /O ₂ /N ₂ flame at atmospheric pressure. Combustion, Explosion and Shock Waves, 2007, 43, 501-508.	0.8	6
130	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
131	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
132	Synthesis of mesoporous nanocrystalline TiO ₂ films in a premixed H ₂ /O ₂ /Ar flame. Combustion, Explosion and Shock Waves, 2012, 48, 49-56.	0.8	6
133	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
134	Experimental and Numerical Study of Downward Flame Spread over Glass-Fiber-Reinforced Epoxy Resin. Polymers, 2022, 14, 911.	4.5	6
135	Investigation of the flame structure of ammonium perchlorate based layered systems. Combustion, Explosion and Shock Waves, 1990, 26, 173-178.	0.8	5
136	Title is missing!. Combustion, Explosion and Shock Waves, 2002, 38, 81-91.	0.8	5
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	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
139	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
140	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
141	Multistage mechanism of thermal decomposition of hydrogen azide. Combustion, Explosion and Shock Waves, 2014, 50, 10-24.	0.8	5
142	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
143	Catalytic effect of submicron TiO ₂ particles on the methane-air flames speed. Combustion, Explosion and Shock Waves, 2016, 52, 155-166.	0.8	5
144	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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145	Laminar Burning Velocities of Formic Acid and Formic Acid/Hydrogen Flames: An Experimental and Modeling Study. <i>Energy & Fuels</i> , 2021, 35, 1760-1767.	5.1	5
146	The Use of Mass Spectrometry to Study the Structure of Flames and Combustion Processes. <i>Russian Chemical Reviews</i> , 1980, 49, 497-508.	6.5	4
147	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. <i>Combustion, Explosion and Shock Waves</i> , 2006, 42, 663-671.	0.8	4
148	Flame structure of composite pseudo-propellants based on nitramines and azide polymers at high pressure. <i>Proceedings of the Combustion Institute</i> , 2007, 31, 2079-2087.	3.9	4
149	Suppression of hydrocarbon flames by organophosphorus compounds and their based mixtures. <i>Combustion, Explosion and Shock Waves</i> , 2008, 44, 266-272.	0.8	4
150	Perturbations of the flame structure due to a thermocouple. I. Experiment. <i>Combustion, Explosion and Shock Waves</i> , 2011, 47, 403-413.	0.8	4
151	Effect of ethanol on the chemistry of formation of precursors of polyaromatic hydrocarbons in a fuel-rich ethylene flame at atmospheric pressure. <i>Combustion, Explosion and Shock Waves</i> , 2012, 48, 661-676.	0.8	4
152	Dependence of the lower flammability limit on the initial temperature. <i>Combustion, Explosion and Shock Waves</i> , 2012, 48, 125-129.	0.8	4
153	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
154	Burning characteristics and soot formation in laminar methyl methacrylate pool flames. <i>Combustion Theory and Modelling</i> , 2020, 24, 1153-1178.	1.9	4
155	The Mechanism of Reactions of Chemically Active Combustion Inhibitors in Flames. <i>Russian Journal of Physical Chemistry B</i> , 2021, 15, 433-446.	1.3	4
156	Numerical and experimental study of downward flame spread along multiple parallel fuel sheets. <i>Fire Safety Journal</i> , 2021, 125, 103414.	3.1	4
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