

Sergei M Frolov

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

138
papers

1,905
citations

20
h-index

40
g-index


145
ext. papers

2,361
ext. citations

2.3
avg, IF

5.07
L-index

#	Paper	IF	Citations
138	Numerical Modeling of Gasification of Solid Hydrocarbon Materials in a Heated-Inert-Gas Flow. <i>Journal of Engineering Physics and Thermophysics</i> , 2022 , 95, 20-28	0.6	
137	Simulation of Multistage Autoignition in Diesel Engine Based on the Detailed Reaction Mechanism of Fuel Oxidation. <i>Mechanisms and Machine Science</i> , 2022 , 149-165	0.3	
136	Updated conceptual design of hydrogen/ethylene fueled detonation ramjet: Test fires at Mach 1.5, 2.0, and 2.5. <i>Aerospace Science and Technology</i> , 2022 , 126, 107602	4.9	0
135	Natural Gas Conversion and Liquid/Solid Organic Waste Gasification by Ultra-Superheated Steam. <i>Energies</i> , 2022 , 15, 3616	3.1	0
134	Organic Waste Gasification: A Selective Review. <i>Fuels</i> , 2021 , 2, 556-651	2.3	2
133	Breakthrough in the Theory of Ramjets. <i>Russian Journal of Physical Chemistry B</i> , 2021 , 15, 318-325	1.2	1
132	Heat Capacities and Enthalpies of Normal Alkanes in an Ideal Gas State. <i>Energies</i> , 2021 , 14, 2641	3.1	1
131	Production of highly superheated steam by cyclic detonations of propane- and methane-steam mixtures with oxygen for waste gasification. <i>Applied Thermal Engineering</i> , 2021 , 183, 116195	5.8	3
130	The Influence of the Method of Supplying Fuel Components on the Characteristics of a Rotating Detonation Engine. <i>Combustion Science and Technology</i> , 2021 , 193, 511-538	1.5	10
129	Gasification of Low-Melting Fuel in a High-Temperature Flow of Inert Gas. <i>Journal of Propulsion and Power</i> , 2021 , 37, 20-28	1.8	3
128	Hydrogen fueled detonation ramjet: Conceptual design and test fires at Mach 1.5 and 2.0. <i>Aerospace Science and Technology</i> , 2021 , 109, 106459	4.9	7
127	Polyethylene Pyrolysis Products: Their Detonability in Air and Applicability to Solid-Fuel Detonation Ramjets. <i>Energies</i> , 2021 , 14, 820	3.1	1
126	Deflagration-to-detonation transition in stoichiometric mixtures of the binary methane/hydrogen fuel with air. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 34046-34058	6.7	1
125	A Detonation Afterburner. <i>Doklady Physics</i> , 2020 , 65, 36-39	0.8	4
124	Cyclic Detonation of the Ternary Gas Mixture Propane/Oxygen/Steam for Producing Highly Superheated Steam. <i>Doklady Physical Chemistry</i> , 2020 , 490, 14-17	0.8	2
123	Gasification of low-melting hydrocarbon material in the airflow heated by hydrogen combustion. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 9098-9112	6.7	4
122	Transient combustion phenomena in high-speed flows in ducts. <i>Shock Waves</i> , 2020 , 30, 245-261	1.6	0

121	Reactor for Waste Gasification with Highly Superheated Steam. <i>Doklady Physical Chemistry</i> , 2020 , 495, 191-195	0.8	2
120	Detonability of fuel-air mixtures. <i>Shock Waves</i> , 2020 , 30, 721-739	1.6	2
119	Rocket Engine with Continuously Rotating Liquid-Film Detonation. <i>Combustion Science and Technology</i> , 2020 , 192, 144-165	1.5	8
118	Pulsed detonation hydramjet: simulations and experiments. <i>Shock Waves</i> , 2020 , 30, 221-234	1.6	5
117	Numerical simulation of shock and detonation waves in bubbly liquids. <i>Shock Waves</i> , 2020 , 30, 263-271	1.6	4
116	Three-Dimensional Direct Numerical Simulation of Turbulent Combustion of Hydrogen-Air Mixtures in a Synthetic Turbulent Field. <i>Russian Journal of Physical Chemistry B</i> , 2019 , 13, 636-645	1.2	2
115	Direct Numerical Simulation of Turbulent Combustion of Hydrogen-Air Mixtures of Various Compositions in a Two-Dimensional Approximation. <i>Russian Journal of Physical Chemistry B</i> , 2019 , 13, 75-85	1.2	6
114	Air-breathing pulsed detonation thrust module: Numerical simulations and firing tests. <i>Aerospace Science and Technology</i> , 2019 , 89, 275-287	4.9	24
113	Deflagration-to-Detonation Transition in Air Mixtures of Polypropylene Pyrolysis Products. <i>Doklady Physical Chemistry</i> , 2019 , 488, 129-133	0.8	3
112	How to utilize the kinetic energy of pulsed detonation products?. <i>Applied Thermal Engineering</i> , 2019 , 147, 728-734	5.8	4
111	Hydrogen-fueled detonation ramjet model: Wind tunnel tests at approach air stream Mach number 5.7 and stagnation temperature 1500K. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 7515-7524	6.7	33
110	Rocket Engine with Continuous Detonation Combustion of the Natural Gas-Oxygen Propellant System. <i>Doklady Physical Chemistry</i> , 2018 , 478, 31-34	0.8	17
109	Well-posed Euler model of shock-induced two-phase flow in bubbly liquid. <i>Shock Waves</i> , 2018 , 28, 253-266	1	1
108	A Detailed Kinetic Mechanism of Multistage Oxidation and Combustion of Octanes. <i>Russian Journal of Physical Chemistry B</i> , 2018 , 12, 448-457	1.2	1
107	Continuous Detonation Combustion of Hydrogen: Results of Wind Tunnel Experiments. <i>Combustion, Explosion and Shock Waves</i> , 2018 , 54, 357-363	1	6
106	 <i>Gorenie i Vzryv (Moskva)</i> Combustion and Explosion , 2018 , 11, 54-62	0.5	2
105	Flow Structure in Rotating Detonation Engine with Separate Supply of Fuel and Oxidizer: Experiment and CFD. <i>Shock Wave and High Pressure Phenomena</i> , 2018 , 39-59	0.3	12
104	Wind Tunnel Testing of a Detonation Ramjet Model at Approach Air Stream Mach Number 5.7 and a Stagnation Temperature of 1500 K. <i>Doklady Physical Chemistry</i> , 2018 , 481, 100-103	0.8	5

103	Rocket Engine with Continuous Film Detonation of Liquid Fuel. <i>Doklady Physical Chemistry</i> , 2018 , 481, 105-109	0.8	1
102	Low-Temperature Flameless Combustion of a Large Drop of n-Dodecane under Microgravity Conditions. <i>Russian Journal of Physical Chemistry B</i> , 2018 , 12, 245-257	1.2	3
101	Experimental and computational studies of shock wave-to-bubbly water momentum transfer. <i>International Journal of Multiphase Flow</i> , 2017 , 92, 20-38	3.6	13
100	Continuous detonation combustion of ternary Hydrogen-Liquid propane-air mixture in annular combustor. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 16808-16820	6.7	41
99	Tests of the hydrogen-fueled detonation ramjet model in a wind tunnel with thrust measurements 2017 ,		1
98	Deflagration-to-detonation transition in crossed-flow fast jets of propellant components. <i>Doklady Physical Chemistry</i> , 2017 , 476, 153-156	0.8	3
97	Wind tunnel tests of a hydrogen-fueled detonation ramjet model at approach air stream Mach numbers from 4 to 8. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 25401-25413	6.7	33
96	Hydrojet engine with pulse detonation combustion of liquid-fuel. <i>Doklady Physical Chemistry</i> , 2017 , 475, 129-133	0.8	2
95	Deflagration-to-detonation transition in the gas-liquid-fuel film system. <i>Doklady Physical Chemistry</i> , 2017 , 474, 93-98	0.8	3
94	Demonstrator of continuous-detonation air-breathing ramjet: Wind tunnel data. <i>Doklady Physical Chemistry</i> , 2017 , 474, 75-79	0.8	17
93	Calculation of shock wave propagation in water containing reactive gas bubbles. <i>Russian Journal of Physical Chemistry B</i> , 2017 , 11, 261-271	1.2	3
92	Modeling of Low-temperature oxidation and combustion of droplets. <i>Doklady Physical Chemistry</i> , 2016 , 470, 150-153	0.8	4
91	Three-dimensional numerical simulation of the characteristics of a ramjet power plant with a continuous-detonation combustor in supersonic flight. <i>Russian Journal of Physical Chemistry B</i> , 2016 , 10, 469-482	1.2	24
90	Promotion of the self-ignition of fuel-air mixtures with mechanoactivated Al (Mg)-MoO ₃ particles. <i>Russian Journal of Physical Chemistry B</i> , 2016 , 10, 435-443	1.2	3
89	A detailed kinetic mechanism of multistage oxidation and combustion of isooctane. <i>Russian Journal of Physical Chemistry B</i> , 2016 , 10, 801-809	1.2	5
88	Thrust characteristics of an airbreathing pulse detonation engine in flight at mach numbers of 0.4 to 5.0. <i>Russian Journal of Physical Chemistry B</i> , 2016 , 10, 272-283	1.2	2
87	Thrust characteristics of a pulse detonation engine operating on a liquid hydrocarbon fuel. <i>Russian Journal of Physical Chemistry B</i> , 2016 , 10, 291-297	1.2	6
86	Three-dimensional numerical simulation of a continuously rotating detonation in the annular combustion chamber with a wide gap and separate delivery of fuel and oxidizer 2016 ,		10

85	Numerical simulation of momentum transfer from a shock wave to a bubbly medium. <i>Russian Journal of Physical Chemistry B</i> , 2015 , 9, 363-374	1.2	7
84	Three-dimensional numerical simulation of the operation process in a continuous detonation combustor with separate feeding of hydrogen and air. <i>Russian Journal of Physical Chemistry B</i> , 2015 , 9, 104-119	1.2	26
83	Detailed kinetic mechanism of the multistage oxidation and combustion of isobutane. <i>Russian Journal of Physical Chemistry B</i> , 2015 , 9, 268-274	1.2	11
82	Promotion of the high-temperature autoignition of hydrogen-air and methane-air mixtures by normal alkanes. <i>Russian Journal of Physical Chemistry B</i> , 2015 , 9, 250-254	1.2	0
81	Experimental proof of Zel'dovich cycle efficiency gain over cycle with constant pressure combustion for hydrogen-oxygen fuel mixture. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 6970-6975	6.7	46
80	Large-scale hydrogen-air continuous detonation combustor. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 1616-1623	6.7	162
79	Momentum transfer from a shock wave to a bubbly liquid. <i>Russian Journal of Physical Chemistry B</i> , 2015 , 9, 895-900	1.2	4
78	Chemiluminescence and acoustic diagnostics of the process in continuous- and pulse-detonation combustors. <i>Doklady Physical Chemistry</i> , 2015 , 465, 273-278	0.8	19
77	Detailed kinetic mechanism of the multistep oxidation and combustion of isopentane and isohexane. <i>Russian Journal of Physical Chemistry B</i> , 2015 , 9, 933-939	1.2	3
76	Magnetohydrodynamic effects of heterogeneous spray detonation. <i>Russian Journal of Physical Chemistry B</i> , 2015 , 9, 637-643	1.2	2
75	Energy efficiency of a continuous-detonation combustion chamber. <i>Combustion, Explosion and Shock Waves</i> , 2015 , 51, 232-245	1	19
74	Natural-Gas-Fueled Pulse-Detonation Combustor. <i>Journal of Propulsion and Power</i> , 2014 , 30, 41-46	1.8	6
73	Kinetic nature of blue flames in the autoignition of methane. <i>Russian Journal of Physical Chemistry B</i> , 2014 , 8, 326-331	1.2	1
72	Transient modes of propagation of the shock wave-reaction zone complex in methane-air mixtures. <i>Russian Journal of Physical Chemistry B</i> , 2014 , 8, 158-164	1.2	3
71	Experimental proof of the energy efficiency of the Zel'dovich thermodynamic cycle. <i>Doklady Physical Chemistry</i> , 2014 , 459, 207-211	0.8	16
70	3D versus 2D calculation of thrust characteristics of the air-breathing pulse detonation engine under supersonic flight conditions. <i>Russian Journal of Physical Chemistry B</i> , 2014 , 8, 859-862	1.2	2
69	Mechanisms of the oxidation and combustion of normal paraffin hydrocarbons: Transition from C ₁₀ H ₂₂ to C ₁₆ H ₃₄ . <i>Russian Journal of Physical Chemistry B</i> , 2013 , 7, 161-169	1.2	22
68	Three-dimensional numerical simulation of the operation of a rotating-detonation chamber with separate supply of fuel and oxidizer. <i>Russian Journal of Physical Chemistry B</i> , 2013 , 7, 35-43	1.2	52

67	Thrust characteristics of an airbreathing pulse detonation engine in supersonic flight at various altitudes. <i>Russian Journal of Physical Chemistry B</i> , 2013 , 7, 276-289	1.2	6
66	Cyclic deflagration-to-detonation transition in the flow-type combustion chamber of a pulse-detonation burner. <i>Russian Journal of Physical Chemistry B</i> , 2013 , 7, 137-141	1.2	5
65	Numerical simulation of flame propagation and localized preflame autoignition in enclosures. <i>Journal of Loss Prevention in the Process Industries</i> , 2013 , 26, 302-309	3.5	11
64	Autoignition and combustion of hydrocarbon-hydrogen-air homogeneous and heterogeneous ternary mixtures. <i>Russian Journal of Physical Chemistry B</i> , 2013 , 7, 457-462	1.2	4
63	Deflagration-to-detonation transition in a high-velocity flow with separate delivery of fuel and oxidizer. <i>Doklady Physical Chemistry</i> , 2013 , 449, 91-93	0.8	2
62	3D simulation of hydrogen ignition in a rapid compression machine. <i>Journal of Loss Prevention in the Process Industries</i> , 2013 , 26, 1558-1568	3.5	2
61	Self-ignition of hydrocarbon-hydrogen-air mixtures. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 4177-4184	6.7	33
60	Acceleration of the deflagration-to-detonation transition in gases: From Shchelkin to our days. <i>Combustion, Explosion and Shock Waves</i> , 2012 , 48, 258-268	1	7
59	Three-dimensional numerical simulation of the operation of the rotating-detonation chamber. <i>Russian Journal of Physical Chemistry B</i> , 2012 , 6, 276-288	1.2	21
58	Detonation initiation in a natural gas-air mixture in a tube with a focusing nozzle. <i>Doklady Physical Chemistry</i> , 2011 , 436, 10-14	0.8	8
57	Initiation of detonation in a tube with a profiled central body. <i>Doklady Physical Chemistry</i> , 2011 , 438, 114-117	0.8	2
56	Pulse-detonation burner unit operating on natural gas. <i>Russian Journal of Physical Chemistry B</i> , 2011 , 5, 625-627	1.2	8
55	Numerical simulation of the operation process and thrust performance of an air-breathing pulse detonation engine in supersonic flight conditions. <i>Russian Journal of Physical Chemistry B</i> , 2011 , 5, 597-609	1.2	10
54	Formation of nitrogen oxides in detonation waves. <i>Russian Journal of Physical Chemistry B</i> , 2011 , 5, 661-663		10
53	Experimental demonstration of the operation process of a pulse-detonation liquid rocket engine. <i>Russian Journal of Physical Chemistry B</i> , 2011 , 5, 664-667	1.2	3
52	Oxidation and combustion mechanisms of paraffin hydrocarbons: Transfer from C1-C7 to C8H18, C9H20, and C10H22. <i>Russian Journal of Physical Chemistry B</i> , 2011 , 5, 974-990	1.2	6
51	Analytical approximation of the thermal and caloric equations of state for real gases over a wide density and temperature range. <i>Russian Journal of Physical Chemistry B</i> , 2011 , 5, 1084-1105	1.2	2
50	Numerical and Experimental Investigation of Detonation Initiation in Profiled Tubes. <i>Combustion Science and Technology</i> , 2010 , 182, 1735-1746	1.5	4

49	Mechanisms of the amplification of a shock wave passing through a cool flame zone. <i>Russian Journal of Physical Chemistry B</i> , 2010 , 4, 101-109	1.2	1
48	Mathematical modeling of the chemical inhibition of the detonation of hydrogen-air mixtures. <i>Russian Journal of Physical Chemistry B</i> , 2010 , 4, 308-320	1.2	7
47	Mechanisms of the oxidation and combustion of normal alkanes: Transition from C ₁₀ H ₂₂ to C ₆ H ₁₄ . <i>Russian Journal of Physical Chemistry B</i> , 2010 , 4, 634-640	1.2	7
46	Mechanism of the oxidation and combustion of normal paraffin hydrocarbons: Transition from C ₁₀ H ₂₂ to C ₇ H ₁₆ . <i>Russian Journal of Physical Chemistry B</i> , 2010 , 4, 985-994	1.2	13
45	Simulation of the autoignition and combustion of n-heptane droplets using a detailed kinetic mechanism. <i>Russian Journal of Physical Chemistry B</i> , 2010 , 4, 995-1004	1.2	11
44	Initiation of gas detonation in a tube with a shaped obstacle. <i>Doklady Physical Chemistry</i> , 2009 , 427, 129-132	1.2	5
43	Combustion science and problems of contemporary power engineering. <i>Russian Journal of General Chemistry</i> , 2009 , 79, 2556-2561	0.7	1
42	Correlation between drop vaporization and self-ignition. <i>Russian Journal of Physical Chemistry B</i> , 2009 , 3, 333-347	1.2	6
41	Mechanisms of the oxidation and combustion of normal alkanes: Passage from C ₁ -C ₄ to C ₂ H ₅ . <i>Russian Journal of Physical Chemistry B</i> , 2009 , 3, 629-635	1.2	7
40	Real-gas properties of n-alkanes, O ₂ , N ₂ , H ₂ O, CO, CO ₂ , and H ₂ for diesel engine operation conditions. <i>Russian Journal of Physical Chemistry B</i> , 2009 , 3, 1191-1252	1.2	1
39	Shock-to-detonation transition in tube coils 2009 , 365-370		
38	Initiation of gaseous detonation in tubes with sharp U-bends. <i>Doklady Physical Chemistry</i> , 2008 , 418, 22-25	0.8	2
37	The calculation of liquid-vapor phase equilibrium in H ₂ O-H ₂ O ₂ two-component system. <i>High Temperature</i> , 2008 , 46, 775-781	0.8	3
36	Fast deflagration-to-detonation transition. <i>Russian Journal of Physical Chemistry B</i> , 2008 , 2, 442-455	1.2	30
35	A modified model of the ignition of a magnesium particle. <i>Russian Journal of Physical Chemistry B</i> , 2008 , 2, 456-462	1.2	6
34	Propagation of shock and detonation waves in channels with U-shaped bends of limiting curvature. <i>Russian Journal of Physical Chemistry B</i> , 2008 , 2, 759-774	1.2	8
33	Reactive shock and detonation propagation in U-bend tubes. <i>Journal of Loss Prevention in the Process Industries</i> , 2007 , 20, 501-508	3.5	31
32	Shock wave and detonation propagation through U-bend tubes. <i>Proceedings of the Combustion Institute</i> , 2007 , 31, 2421-2428	5.9	47

31	Reduction of the deflagration-to-detonation transition distance and time in a tube with regular shaped obstacles. <i>Doklady Physical Chemistry</i> , 2007 , 415, 209-213	0.8	8
30	Deflagration-to-detonation transition in a kerosene-air mixture. <i>Doklady Physical Chemistry</i> , 2007 , 416, 261-264	0.8	9
29	The mechanisms of oxidation and combustion of normal alkane hydrocarbons: The transition from C ₁₀ H ₂₂ to C ₄ H ₁₀ . <i>Russian Journal of Physical Chemistry B</i> , 2007 , 2, 477-484	1.2	8
28	A model of laminar flames in droplet suspensions. <i>Russian Journal of Physical Chemistry B</i> , 2007 , 2, 493-499	1.2	8
27	Kinetics of 'blue' flames in the gas-phase oxidation and combustion of hydrocarbons and their derivatives. <i>Russian Chemical Reviews</i> , 2007 , 76, 867-884	6.8	19
26	Liquid-Fueled, Air-Breathing Pulse Detonation Engine Demonstrator: Operation Principles and Performance. <i>Journal of Propulsion and Power</i> , 2006 , 22, 1162-1169	1.8	39
25	Initiation of strong reactive shocks and detonation by traveling ignition pulses. <i>Journal of Loss Prevention in the Process Industries</i> , 2006 , 19, 238-244	3.5	8
24	Extension of the combustion limits for a porous burner by external heating. <i>Doklady Physical Chemistry</i> , 2006 , 406, 43-48	0.8	7
23	Detonation initiation by shock wave interaction with the prechamber jet ignition zone. <i>Doklady Physical Chemistry</i> , 2006 , 410, 255-259	0.8	7
22	The pressure-temperature-concentration correlation for aqueous solutions of hydroperoxide. <i>High Temperature</i> , 2006 , 44, 47-56	0.8	1
21	Initiation of heterogeneous detonation in tubes with coils and Shchelkin spiral. <i>High Temperature</i> , 2006 , 44, 283-290	0.8	3
20	Simple model of transient drop vaporization. <i>Journal of Russian Laser Research</i> , 2006 , 27, 562-574	0.7	5
19	Optimization study of spray detonation initiation by electric discharges. <i>Shock Waves</i> , 2005 , 14, 175-186	1.6	19
18	Decreasing the predetonation distance in a drop explosive mixture by combined means. <i>Doklady Physical Chemistry</i> , 2005 , 401, 28-31	0.8	7
17	Air-Breathing Liquid-Fueled Pulse Detonation Engine Demonstrator. <i>Doklady Physical Chemistry</i> , 2005 , 402, 93-95	0.8	4
16	Spray Detonation Initiation by Controlled Triggering of Electric Dischargers. <i>Journal of Propulsion and Power</i> , 2005 , 21, 54-64	1.8	20
15	Initiation of Gaseous Detonation by a Traveling Forced Ignition Pulse. <i>Doklady Physical Chemistry</i> , 2004 , 394, 16-18	0.8	5
14	Detonation Initiation in Liquid Fuel Sprays by Successive Electric Discharges. <i>Doklady Physical Chemistry</i> , 2004 , 394, 39-41	0.8	5

13	Pulse detonation propulsion: challenges, current status, and future perspective. <i>Progress in Energy and Combustion Science</i> , 2004 , 30, 545-672	33.6	532
12	Detonation Initiation by Controlled Triggering of Electric Discharges. <i>Journal of Propulsion and Power</i> , 2003 , 19, 573-580	1.8	36
11	Stability of 2D two-phase reactive flows. <i>European Physical Journal Special Topics</i> , 2002 , 12, 437-444		2
10	Modelling of a turbulent reacting gas/particle flow. <i>Acta Mechanica</i> , 2000 , 145, 45-63	2.1	1
9	Modelling of Turbulent Gas/Particle Combustion by a Lagrangian PDF Method. <i>Combustion Science and Technology</i> , 1999 , 149, 95-113	1.5	7
8	Gaseous detonations A selective review. <i>Progress in Energy and Combustion Science</i> , 1991 , 17, 327-371	33.6	58
7	Measurement and computation of shock wave attenuation in a rough pipe. <i>Combustion, Explosion and Shock Waves</i> , 1990 , 26, 335-338	1	8
6	Interaction of a liquid film with a high-velocity gas flow behind a shock wave. <i>Combustion, Explosion and Shock Waves</i> , 1985 , 20, 573-579	1	4
5	Simple model of detonation in a gas-film system with consideration of mechanical fuel removal. <i>Combustion, Explosion and Shock Waves</i> , 1985 , 21, 104-110	1	4
4	Pulsed combustion of fuel-air mixture in a cavity above water surface: modeling and experiments. <i>Shock Waves</i> ,1	1.6	1
3	Pulsed combustion of fuel-air mixture in a cavity under the boat bottom: modeling and experiments. <i>Shock Waves</i> ,1	1.6	1
2	Pressure measurements in detonation engines. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> ,095441002199307	0.9	2
1	Deflagration-to-detonation Transition in Stratified Oxygen-Liquid Fuel Film Systems. <i>Combustion Science and Technology</i> ,1-35	1.5	