

Andrei N Lipatnikov

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.

139
papers

2,485
citations

23
h-index

44
g-index

146
ext. papers

2,956
ext. citations

4.7
avg, IF

5.83
L-index

#	Paper	IF	Citations
139	Investigation of Charge Mixing and Stratified Fuel Distribution in a DISI Engine Using Rayleigh Scattering and Numerical Simulations. <i>Mechanisms and Machine Science</i> , 2022 , 187-206	0.3	
138	Lewis number and preferential diffusion effects in lean hydrogen-air highly turbulent flames. <i>Physics of Fluids</i> , 2022 , 34, 035131	4.4	3
137	A vented corn starch dust explosion in an 11.5 m ³ vessel: Experimental and numerical study. <i>Journal of Loss Prevention in the Process Industries</i> , 2021 , 75, 104707	3.5	1
136	Smallest scale of wrinkles of a Huygens front in extremely strong turbulence. <i>Physical Review E</i> , 2021 , 104, 045101	2.4	
135	Influence of molecular transport on burning rate and conditioned species concentrations in highly turbulent premixed flames. <i>Journal of Fluid Mechanics</i> , 2021 , 928,	3.7	4
134	Dissipation and dilatation rates in premixed turbulent flames. <i>Physics of Fluids</i> , 2021 , 33, 035112	4.4	5
133	Assessment of a flamelet approach to evaluating mean species mass fractions in moderately and highly turbulent premixed flames. <i>Physics of Fluids</i> , 2021 , 33, 045121	4.4	3
132	Prediction of mean radical concentrations in lean hydrogen-air turbulent flames at different Karlovitz numbers adopting a newly extended flamelet-based presumed PDF. <i>Combustion and Flame</i> , 2021 , 226, 248-259	5.3	6
131	Influence of Thermal Expansion on Potential and Rotational Components of Turbulent Velocity Field Within and Upstream of Premixed Flame Brush. <i>Flow, Turbulence and Combustion</i> , 2021 , 106, 1111-1124	2.5	4
130	Assessment of an Evolution Equation for the Displacement Speed of a Constant-Density Reactive Scalar Field. <i>Flow, Turbulence and Combustion</i> , 2021 , 106, 1091-1110	2.5	1
129	Evaluation of mean species mass fractions in premixed turbulent flames: A DNS study. <i>Proceedings of the Combustion Institute</i> , 2021 , 38, 6413-6420	5.9	5
128	Solenoidal and potential velocity fields in weakly turbulent premixed flames. <i>Proceedings of the Combustion Institute</i> , 2021 , 38, 3087-3095	5.9	2
127	Application of Helmholtz-Hodge decomposition and conditioned structure functions to exploring influence of premixed combustion on turbulence upstream of the flame. <i>Proceedings of the Combustion Institute</i> , 2021 , 38, 3077-3085	5.9	2
126	Evolution equations for the decomposed components of displacement speed in a reactive scalar field. <i>Journal of Fluid Mechanics</i> , 2021 , 911,	3.7	4
125	Validation of leading point concept in RANS simulations of highly turbulent lean syngas-air flames with well-pronounced diffusional-thermal effects. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 9222-9233	6.7	6
124	Scaling of reaction progress variable variance in highly turbulent reaction waves. <i>Physics of Fluids</i> , 2021 , 33, 085103	4.4	1
123	Passive Front Propagation in Intense Turbulence: Early Transient and Late Statistically Stationary Stages of the Front Area Evolution. <i>Energies</i> , 2021 , 14, 5102	3.1	0

122	A DNS study of extreme and leading points in lean hydrogen-air turbulent flames [Part I: Local thermochemical structure and reaction rates. <i>Combustion and Flame</i> , 2021 , 235, 111716	5.3	1
121	A DNS study of extreme and leading points in lean hydrogen-air turbulent flames - part II: Local velocity field and flame topology. <i>Combustion and Flame</i> , 2021 , 111712	5.3	1
120	A priori DNS study of applicability of flamelet concept to predicting mean concentrations of species in turbulent premixed flames at various Karlovitz numbers. <i>Combustion and Flame</i> , 2020 , 222, 370-382	5.3	6
119	An extended flamelet-based presumed probability density function for predicting mean concentrations of various species in premixed turbulent flames. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 31162-31178	6.7	5
118	Unsteady 3-D RANS simulations of dust explosion in a fan stirred explosion vessel using an open source code. <i>Journal of Loss Prevention in the Process Industries</i> , 2020 , 67, 104237	3.5	4
117	A New Mathematical Framework for Describing Thin-Reaction-Zone Regime of Turbulent Reacting Flows at Low Damköhler Number. <i>Fluids</i> , 2020 , 5, 109	1.6	2
116	Bifractal nature of turbulent reaction waves at high Damköhler and Karlovitz numbers. <i>Physics of Fluids</i> , 2020 , 32, 095118	4.4	3
115	Assessment of a transport equation for mean reaction rate using DNS data obtained from highly unsteady premixed turbulent flames. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 134, 398-404	4.9	6
114	Evolution of averaged local premixed flame thickness in a turbulent flow. <i>Combustion and Flame</i> , 2019 , 207, 232-249	5.3	13
113	Thin reaction zones in highly turbulent medium. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 128, 1201-1205	4.9	14
112	Thin reaction zones in constant-density turbulent flows at low Damköhler numbers: Theory and simulations. <i>Physics of Fluids</i> , 2019 , 31, 055104	4.4	18
111	Closure Relations for Fluxes of Flame Surface Density and Scalar Dissipation Rate in Turbulent Premixed Flames. <i>Fluids</i> , 2019 , 4, 43	1.6	5
110	Statistics conditioned to isoscalar surfaces in highly turbulent premixed reacting systems. <i>Computers and Fluids</i> , 2019 , 187, 69-82	2.8	6
109	Investigation of the influence of combustion-induced thermal expansion on two-point turbulence statistics using conditioned structure functions. <i>Journal of Fluid Mechanics</i> , 2019 , 867, 45-76	3.7	15
108	DNS Study of the Bending Effect Due to Smoothing Mechanism. <i>Fluids</i> , 2019 , 4, 31	1.6	4
107	Surface-averaged quantities in turbulent reacting flows and relevant evolution equations. <i>Physical Review E</i> , 2019 , 100, 013107	2.4	5
106	A direct numerical simulation study of the influence of flame-generated vorticity on reaction-zone-surface area in weakly turbulent premixed combustion. <i>Physics of Fluids</i> , 2019 , 31, 055101	4.4	13
105	Statistical behaviors of conditioned two-point second-order structure functions in turbulent premixed flames in different combustion regimes. <i>Physics of Fluids</i> , 2019 , 31, 115109	4.4	14

104	A DNS Study of Sensitivity of Scaling Exponents for Premixed Turbulent Consumption Velocity to Transient Effects. <i>Flow, Turbulence and Combustion</i> , 2019 , 102, 679-698	2.5	7
103	A DNS assessment of linear relations between filtered reaction rate, flame surface density, and scalar dissipation rate in a weakly turbulent premixed flame. <i>Combustion Theory and Modelling</i> , 2019 , 23, 245-260	1.5	8
102	Application of conditioned structure functions to exploring influence of premixed combustion on two-point turbulence statistics. <i>Proceedings of the Combustion Institute</i> , 2019 , 37, 2433-2441	5.9	13
101	RANS Simulations of Premixed Turbulent Flames. <i>Energy, Environment, and Sustainability</i> , 2018 , 181-240	0.8	1
100	LC/MS at the whole protein level: Studies of biomolecular structure and interactions using native LC/MS and cross-path reactive chromatography (XP-RC) MS. <i>Methods</i> , 2018 , 144, 14-26	4.6	13
99	A DNS study of the physical mechanisms associated with density ratio influence on turbulent burning velocity in premixed flames. <i>Combustion Theory and Modelling</i> , 2018 , 22, 131-155	1.5	18
98	Large Eddy Simulation of Stratified Combustion in Spray-guided Direct Injection Spark-ignition Engine 2018 ,		2
97	Combustion-induced local shear layers within premixed flamelets in weakly turbulent flows. <i>Physics of Fluids</i> , 2018 , 30, 085101	4.4	13
96	A DNS Study of Closure Relations for Convection Flux Term in Transport Equation for Mean Reaction Rate in Turbulent Flow. <i>Flow, Turbulence and Combustion</i> , 2018 , 100, 75-92	2.5	14
95	Transport equations for reaction rate in laminar and turbulent premixed flames characterized by non-unity Lewis number. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 21060-21069	6.7	11
94	Letter: Does flame-generated vorticity increase turbulent burning velocity?. <i>Physics of Fluids</i> , 2018 , 30, 081702	4.4	15
93	Recent Advances in Understanding of Thermal Expansion Effects in Premixed Turbulent Flames. <i>Annual Review of Fluid Mechanics</i> , 2017 , 49, 91-117	22	56
92	Statistical behaviour of vorticity and enstrophy transport in head-on quenching of turbulent premixed flames. <i>European Journal of Mechanics, B/Fluids</i> , 2017 , 65, 384-397	2.4	16
91	A balance equation for the mean rate of product creation in premixed turbulent flames. <i>Proceedings of the Combustion Institute</i> , 2017 , 36, 1893-1901	5.9	26
90	Stratified turbulent flames: Recent advances in understanding the influence of mixture inhomogeneities on premixed combustion and modeling challenges. <i>Progress in Energy and Combustion Science</i> , 2017 , 62, 87-132	33.6	60
89	DNS study of dependence of bulk consumption velocity in a constant-density reacting flow on turbulence and mixture characteristics. <i>Physics of Fluids</i> , 2017 , 29, 065116	4.4	25
88	Turbulent diffusion of chemically reacting flows: Theory and numerical simulations. <i>Physical Review E</i> , 2017 , 96, 053111	2.4	14
87	Does Density Ratio Significantly Affect Turbulent Flame Speed?. <i>Flow, Turbulence and Combustion</i> , 2017 , 98, 1153-1172	2.5	14

86	Direct numerical simulation study of statistically stationary propagation of a reaction wave in homogeneous turbulence. <i>Physical Review E</i> , 2017 , 95, 063101	2.4	28
85	Flamelet perturbations and flame surface density transport in weakly turbulent premixed combustion. <i>Combustion Theory and Modelling</i> , 2017 , 21, 205-227	1.5	18
84	Analytical and numerical study of travelling waves using the Maxwell-Cattaneo relaxation model extended to reaction-advection-diffusion systems. <i>Physical Review E</i> , 2016 , 94, 042218	2.4	3
83	A transport equation for reaction rate in turbulent flows. <i>Physics of Fluids</i> , 2016 , 28, 081701	4.4	21
82	Application of Flame Speed Closure Model to RANS Simulations of Stratified Turbulent Combustion in a Gasoline Direct-Injection Spark-Ignition Engine. <i>Combustion Science and Technology</i> , 2016 , 188, 98-131	1.5	9
81	Effects of Lewis number on vorticity and enstrophy transport in turbulent premixed flames. <i>Physics of Fluids</i> , 2016 , 28, 015109	4.4	42
80	Does sensitivity of measured scaling exponents for turbulent burning velocity to flame configuration prove lack of generality of notion of turbulent burning velocity?. <i>Combustion and Flame</i> , 2016 , 173, 77-88	5.3	12
79	Modeling of the Influence of Mixture Fraction Fluctuations on Burning Rate in Partially Premixed Turbulent Flames. <i>Combustion Science and Technology</i> , 2015 , 187, 594-626	1.5	4
78	RANS Simulations of Statistically Stationary Premixed Turbulent Combustion Using Flame Speed Closure Model. <i>Flow, Turbulence and Combustion</i> , 2015 , 94, 381-414	2.5	10
77	Transition from pulled to pushed fronts in premixed turbulent combustion: Theoretical and numerical study. <i>Combustion and Flame</i> , 2015 , 162, 2893-2903	5.3	20
76	Experimental assessment of various methods of determination of laminar flame speed in experiments with expanding spherical flames with positive Markstein lengths. <i>Combustion and Flame</i> , 2015 , 162, 2840-2854	5.3	28
75	Numerical and Experimental Study of Stratified Turbulent Combustion in a Spray-Guided Gasoline Direct Injection Engine. <i>Lecture Notes in Mobility</i> , 2015 , 77-84	0.5	
74	A direct numerical simulation study of interface propagation in homogeneous turbulence. <i>Journal of Fluid Mechanics</i> , 2015 , 772, 127-164	3.7	31
73	A balance equation for modeling conditioned enthalpies in premixed turbulent flames. <i>Combustion and Flame</i> , 2015 , 162, 3691-3703	5.3	
72	DNS assessment of relation between mean reaction and scalar dissipation rates in the flamelet regime of premixed turbulent combustion. <i>Combustion Theory and Modelling</i> , 2015 , 19, 309-328	1.5	21
71	Correlations of high-pressure lean methane and syngas turbulent burning velocities: Effects of turbulent Reynolds, Damköhler, and Karlovitz numbers. <i>Proceedings of the Combustion Institute</i> , 2015 , 35, 1509-1516	5.9	42
70	Unburned mixture fingers in premixed turbulent flames. <i>Proceedings of the Combustion Institute</i> , 2015 , 35, 1401-1408	5.9	53
69	DNS Assessment of a Simple Model for Evaluating Velocity Conditioned to Unburned Gas in Premixed Turbulent Flames. <i>Flow, Turbulence and Combustion</i> , 2015 , 94, 513-526	2.5	23

68	Speed selection for traveling-wave solutions to the diffusion-reaction equation with cubic reaction term and Burgers nonlinear convection. <i>Physical Review E</i> , 2014 , 90, 033004	2.4	9
67	A Study of Two Basic Issues Relevant to RANS Simulations of Stratified Turbulent Combustion in a Spray-Guided Direct-Injection Spark-Ignition Engine 2014 ,		2
66	A Numerical Study on Stratified Turbulent Combustion in a Direct-Injection Spark-Ignition Gasoline Engine Using an Open-Source Code 2014 ,		5
65	Three-dimensional direct numerical simulation study of conditioned moments associated with front propagation in turbulent flows. <i>Physics of Fluids</i> , 2014 , 26, 085104	4.4	19
64	A direct numerical simulation study of vorticity transformation in weakly turbulent premixed flames. <i>Physics of Fluids</i> , 2014 , 26, 105104	4.4	53
63	Conditional velocity statistics for high and low Damköhler number turbulent premixed combustion in the context of Reynolds Averaged Navier Stokes simulations. <i>Proceedings of the Combustion Institute</i> , 2013 , 34, 1333-1345	5.9	15
62	Effects of Lewis number on conditional fluid velocity statistics in low Damköhler number turbulent premixed combustion: A direct numerical simulation analysis. <i>Physics of Fluids</i> , 2013 , 25, 045101	4.4	23
61	Transition from Countergradient to Gradient Scalar Transport in Developing Premixed Turbulent Flames. <i>Flow, Turbulence and Combustion</i> , 2013 , 90, 401-418	2.5	5
60	Towards an Extension of TFC Model of Premixed Turbulent Combustion. <i>Flow, Turbulence and Combustion</i> , 2013 , 90, 387-400	2.5	8
59	Transition from pulled to pushed premixed turbulent flames due to countergradient transport. <i>Combustion Theory and Modelling</i> , 2013 , 17, 1154-1175	1.5	20
58	Comparison of Presumed PDF Models of Turbulent Flames. <i>Journal of Combustion</i> , 2012 , 2012, 1-15	0.8	4
57	Premixed Turbulent Flames. <i>Journal of Combustion</i> , 2011 , 2011, 1-2	0.8	
56	Statistics of Conditional Fluid Velocity in the Corrugated Flamelets Regime of Turbulent Premixed Combustion: A Direct Numerical Simulation Study. <i>Journal of Combustion</i> , 2011 , 2011, 1-13	0.8	4
55	Burning Rate in Impinging Jet Flames. <i>Journal of Combustion</i> , 2011 , 2011, 1-11	0.8	2
54	Modelling of Gasoline and Ethanol Hollow-Cone Sprays Using OpenFOAM 2011 ,		10
53	A Simple Model for Evaluating Conditioned Velocities in Premixed Turbulent Flames. <i>Combustion Science and Technology</i> , 2011 , 183, 588-613	1.5	16
52	Reply to comments by Zimont. <i>Combustion and Flame</i> , 2011 , 158, 2073-2074	5.3	
51	Transient Behavior of Turbulent Scalar Transport in Premixed Flames. <i>Flow, Turbulence and Combustion</i> , 2011 , 86, 609-637	2.5	10

50	Conditioned moments in premixed turbulent reacting flows. <i>Proceedings of the Combustion Institute</i> , 2011 , 33, 1489-1496	5.9	12
49	A test of conditioned balance equation approach. <i>Proceedings of the Combustion Institute</i> , 2011 , 33, 1497-1504	5.5	11
48	Chemical Model of Gasoline-Ethanol Blends for Internal Combustion Engine Applications 2010 ,		16
47	Simulations of Scalar Transport in Developing Turbulent Flames Solving a Conditioned Balance Equation. <i>Combustion Science and Technology</i> , 2010 , 182, 405-421	1.5	2
46	Rigorous Derivation of an Unclosed Mean G-Equation for Statistically 1D Premixed Turbulent Flames. <i>International Journal of Spray and Combustion Dynamics</i> , 2010 , 2, 301-323	1.3	6
45	Effects of premixed flames on turbulence and turbulent scalar transport. <i>Progress in Energy and Combustion Science</i> , 2010 , 36, 1-102	33.6	146
44	Can we characterize turbulence in premixed flames?. <i>Combustion and Flame</i> , 2009 , 156, 1242-1247	5.3	12
43	Testing Premixed Turbulent Combustion Models by Studying Flame Dynamics. <i>International Journal of Spray and Combustion Dynamics</i> , 2009 , 1, 39-66	1.3	11
42	Conditionally averaged balance equations for modeling premixed turbulent combustion in flamelet regime. <i>Combustion and Flame</i> , 2008 , 152, 529-547	5.3	33
41	Some Basic Issues of the Averaged G-Equation Approach to Premixed Turbulent Combustion Modeling. <i>The Open Thermodynamics Journal</i> , 2008 , 2, 53-58		3
40	SCALAR TRANSPORT IN SELF-SIMILAR, DEVELOPING, PREMIXED, TURBULENT FLAMES. <i>Combustion Science and Technology</i> , 2007 , 179, 91-115	1.5	6
39	Global stretch effects in premixed turbulent combustion. <i>Proceedings of the Combustion Institute</i> , 2007 , 31, 1361-1368	5.9	24
38	Effects of flame development on stationary premixed turbulent combustion. <i>Proceedings of the Combustion Institute</i> , 2007 , 31, 3115-3122	5.9	8
37	EFFECTS OF TURBULENT FLAME SPEED DEVELOPMENT AND AXIAL CONVECTIVE WAVES ON OSCILLATIONS OF A LONG DUCTED FLAME. <i>Combustion Science and Technology</i> , 2007 , 179, 1433-1449	1.5	3
36	Numerical Modeling of Stationary But Developing Premixed Turbulent Flames 2006 , 691		
35	NUMERICAL TESTS OF A MEASUREMENT METHOD FOR TURBULENT BURNING VELOCITY IN STAGNATION FLAMES. <i>Combustion Science and Technology</i> , 2006 , 178, 1117-1141	1.5	3
34	A theoretical study of premixed turbulent flame development. <i>Proceedings of the Combustion Institute</i> , 2005 , 30, 843-850	5.9	21
33	Molecular transport effects on turbulent flame propagation and structure. <i>Progress in Energy and Combustion Science</i> , 2005 , 31, 1-73	33.6	234

32	Effects of turbulent flame development on thermoacoustic oscillations. <i>Combustion and Flame</i> , 2005 , 142, 130-139	5.3	15
31	Self-similarly developing, premixed, turbulent flames: A theoretical study. <i>Physics of Fluids</i> , 2005 , 17, 065105	4.4	23
30	APPLICATION OF THE MARKSTEIN NUMBER CONCEPT TO CURVED TURBULENT FLAMES. <i>Combustion Science and Technology</i> , 2004 , 176, 331-358	1.5	16
29	A study of the effects of pressure-driven transport on developing turbulent flame structure and propagation. <i>Combustion Theory and Modelling</i> , 2004 , 8, 211-225	1.5	9
28	Comment on "Turbulent burning velocity, burned gas distribution, and associated flame surface definition" <i>Combustion and Flame</i> , 2004 , 137, 261-263	5.3	9
27	Flame Speed Closure Model of Premixed Turbulent Combustion : Further Development and Validation(S.I. Engines, Flame Propagation). <i>The Proceedings of the International Symposium on Diagnostics and Modeling of Combustion in Internal Combustion Engines</i> , 2004 , 2004.6, 583-590		1
26	Effects of Flame Development and Structure on Thermo-Acoustic Oscillations of Premixed Turbulent Flames(S.I. Engines, Flame Propagation). <i>The Proceedings of the International Symposium on Diagnostics and Modeling of Combustion in Internal Combustion Engines</i> , 2004 , 2004.6, 599-606		
25	A Numerical Study of Weakly Turbulent Premixed Combustion with Flame Speed Closure Model 2003 ,		1
24	Simulations of Fuel/Air Mixing, Combustion, and Pollutant Formation in a Direct Injection Gasoline Engine 2002 ,		7
23	Modeling of stratified combustion in a direct-ignition, spark-ignition engine accounting for complex chemistry. <i>Proceedings of the Combustion Institute</i> , 2002 , 29, 703-709	5.9	17
22	Turbulent burning velocity and speed of developing, curved, and strained flames. <i>Proceedings of the Combustion Institute</i> , 2002 , 29, 2113-2121	5.9	26
21	Turbulent flame speed and thickness: phenomenology, evaluation, and application in multi-dimensional simulations. <i>Progress in Energy and Combustion Science</i> , 2002 , 28, 1-74	33.6	387
20	Comments on: "Premixed flames in stagnating turbulence part V" evaluation of models for the chemical source term by K. N. C. Bray, M. Champion, and P. A. Libby. <i>Combustion and Flame</i> , 2002 , 131, 219-221	5.3	3
19	Are premixed turbulent stagnation flames equivalent to fully developed ones? A computational study. <i>Combustion Science and Technology</i> , 2002 , 174, 3-26	1.5	13
18	TRANSIENT AND CURVATURE EFFECTS WHEN DEFINING BURNING VELOCITY AND SPEED OF PREMIXED TURBULENT FLAMES 2002 , 853-862		
17	Developing Premixed Turbulent Flames: Part I. A Self-Similar Regime of Flame Propagation. <i>Combustion Science and Technology</i> , 2001 , 162, 85-112	1.5	20
16	Developing Premixed Turbulent Flames: Part II. Pressure-Driven Transport and Turbulent Diffusion. <i>Combustion Science and Technology</i> , 2001 , 165, 175-195	1.5	9
15	(2-10) Towards Evaluation of Turbulent Flame Speed((SI-4)S. I. Engine Combustion 4-Flame Propagation). <i>The Proceedings of the International Symposium on Diagnostics and Modeling of Combustion in Internal Combustion Engines</i> , 2001 , 01.204, 31		

14	Dependence of heat release on the progress variable in premixed turbulent combustion. <i>Proceedings of the Combustion Institute</i> , 2000 , 28, 227-234	5.9	15
13	Modeling of Pressure and Non-Stationary Effects in Spark Ignition Engine Combustion: A Comparison of Different Approaches 2000 ,		3
12	Transient and Geometrical Effects in Expanding Turbulent Flames. <i>Combustion Science and Technology</i> , 2000 , 154, 75-117	1.5	33
11	Lewis Number Effects in Premixed Turbulent Combustion and Highly Perturbed Laminar Flames. <i>Combustion Science and Technology</i> , 1998 , 137, 277-298	1.5	32
10	Turbulent Flame Speed Closure Model: Further Development and Implementation for 3-D Simulation of Combustion in SI Engine 1998 ,		6
9	Randomness of Flame Kernel Development in Turbulent Gas Mixture 1998 ,		2
8	A Simple Model of Unsteady Turbulent Flame Propagation 1997 ,		21
7	Finding the markstein number using the measurements of expanding spherical laminar flames. <i>Combustion and Flame</i> , 1997 , 109, 436-448	5.3	56
6	A test of an engineering model of premixed turbulent combustion. <i>Proceedings of the Combustion Institute</i> , 1996 , 26, 249-257		54
5	Some Issues of Using Markstein Number for Modeling Premixed Turbulent Combustion. <i>Combustion Science and Technology</i> , 1996 , 119, 131-154	1.5	22
4	Numerical modeling of nitrogen oxide formation in turbulent combustion of a premixed gas mixture. <i>Combustion, Explosion and Shock Waves</i> , 1993 , 29, 326-330	1	
3	Nitrogen oxide formation in a flame at slight deviations from equilibrium. <i>Combustion, Explosion and Shock Waves</i> , 1989 , 24, 407-409	1	
2	Taking account of heat losses in modeling the turbulent combustion of a preliminarily mixed mixture. <i>Combustion, Explosion and Shock Waves</i> , 1988 , 24, 290-293	1	
1	Fundamentals of Premixed Turbulent Combustion		53