

Andrei N Lipatnikov

List of Publications by Year in descending order

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145
papers

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times ranked

858
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	15.8	473
2	Molecular transport effects on turbulent flame propagation and structure. <i>Progress in Energy and Combustion Science</i> , 2005, 31, 1-73.	15.8	294
3	Effects of premixed flames on turbulence and turbulent scalar transport. <i>Progress in Energy and Combustion Science</i> , 2010, 36, 1-102.	15.8	177
4	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.	15.8	88
5	Recent Advances in Understanding of Thermal Expansion Effects in Premixed Turbulent Flames. <i>Annual Review of Fluid Mechanics</i> , 2017, 49, 91-117.	10.8	74
6	Finding the markstein number using the measurements of expanding spherical laminar flames. <i>Combustion and Flame</i> , 1997, 109, 436-448.	2.8	73
7	A test of an engineering model of premixed turbulent combustion. <i>Proceedings of the Combustion Institute</i> , 1996, 26, 249-257.	0.3	71
8	Fundamentals of Premixed Turbulent Combustion. , 0, , .		70
9	A direct numerical simulation study of vorticity transformation in weakly turbulent premixed flames. <i>Physics of Fluids</i> , 2014, 26, .	1.6	63
10	Unburned mixture fingers in premixed turbulent flames. <i>Proceedings of the Combustion Institute</i> , 2015, 35, 1401-1408.	2.4	58
11	Effects of Lewis number on vorticity and enstrophy transport in turbulent premixed flames. <i>Physics of Fluids</i> , 2016, 28, .	1.6	54
12	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.	2.4	48
13	Transient and Geometrical Effects in Expanding Turbulent Flames. <i>Combustion Science and Technology</i> , 2000, 154, 75-117.	1.2	37
14	Lewis Number Effects in Premixed Turbulent Combustion and Highly Perturbed Laminar Flames. <i>Combustion Science and Technology</i> , 1998, 137, 277-298.	1.2	36
15	Global stretch effects in premixed turbulent combustion. <i>Proceedings of the Combustion Institute</i> , 2007, 31, 1361-1368.	2.4	35
16	Conditionally averaged balance equations for modeling premixed turbulent combustion in flamelet regime. <i>Combustion and Flame</i> , 2008, 152, 529-547.	2.8	35
17	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, .	1.6	35
18	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.	2.8	33

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19	A direct numerical simulation study of interface propagation in homogeneous turbulence. <i>Journal of Fluid Mechanics</i> , 2015, 772, 127-164.	1.4	33
20	Direct numerical simulation study of statistically stationary propagation of a reaction wave in homogeneous turbulence. <i>Physical Review E</i> , 2017, 95, 063101.	0.8	33
21	Turbulent burning velocity and speed of developing, curved, and strained flames. <i>Proceedings of the Combustion Institute</i> , 2002, 29, 2113-2121.	2.4	32
22	A Simple Model of Unsteady Turbulent Flame Propagation. , 1997, , .		31
23	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.	2.4	30
24	Thin reaction zones in constant-density turbulent flows at low Damköhler numbers: Theory and simulations. <i>Physics of Fluids</i> , 2019, 31, 055104.	1.6	30
25	Transition from pulled to pushed fronts in premixed turbulent combustion: Theoretical and numerical study. <i>Combustion and Flame</i> , 2015, 162, 2893-2903.	2.8	28
26	Self-similarly developing, premixed, turbulent flames: A theoretical study. <i>Physics of Fluids</i> , 2005, 17, 065105.	1.6	26
27	Transition from pulled to pushed premixed turbulent flames due to countergradient transport. <i>Combustion Theory and Modelling</i> , 2013, 17, 1154-1175.	1.0	26
28	APPLICATION OF THE MARKSTEIN NUMBER CONCEPT TO CURVED TURBULENT FLAMES. <i>Combustion Science and Technology</i> , 2004, 176, 331-358.	1.2	25
29	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.	1.6	25
30	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.	2.4	24
31	A theoretical study of premixed turbulent flame development. <i>Proceedings of the Combustion Institute</i> , 2005, 30, 843-850.	2.4	24
32	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, .	1.6	24
33	Some Issues of Using Markstein Number for Modeling Premixed Turbulent Combustion. <i>Combustion Science and Technology</i> , 1996, 119, 131-154.	1.2	23
34	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.	1.4	23
35	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.	1.2	23
36	Letter: Does flame-generated vorticity increase turbulent burning velocity?. <i>Physics of Fluids</i> , 2018, 30, .	1.6	23

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37	Influence of molecular transport on burning rate and conditioned species concentrations in highly turbulent premixed flames. <i>Journal of Fluid Mechanics</i> , 2021, 928, .	1.4	23
38	Developing Premixed Turbulent Flames: Part I. A Self-Similar Regime of Flame Propagation. <i>Combustion Science and Technology</i> , 2001, 162, 85-112.	1.2	22
39	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.	1.0	22
40	A transport equation for reaction rate in turbulent flows. <i>Physics of Fluids</i> , 2016, 28, 081701.	1.6	22
41	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.	1.0	22
42	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.	2.8	22
43	Effects of turbulent flame development on thermoacoustic oscillations. <i>Combustion and Flame</i> , 2005, 142, 130-139.	2.8	20
44	Turbulent diffusion of chemically reacting flows: Theory and numerical simulations. <i>Physical Review E</i> , 2017, 96, 053111.	0.8	20
45	Chemical Model of Gasoline-Ethanol Blends for Internal Combustion Engine Applications. , 0, , .		19
46	Three-dimensional direct numerical simulation study of conditioned moments associated with front propagation in turbulent flows. <i>Physics of Fluids</i> , 2014, 26, .	1.6	19
47	Does Density Ratio Significantly Affect Turbulent Flame Speed?. <i>Flow, Turbulence and Combustion</i> , 2017, 98, 1153-1172.	1.4	19
48	Flamelet perturbations and flame surface density transport in weakly turbulent premixed combustion. <i>Combustion Theory and Modelling</i> , 2017, 21, 205-227.	1.0	19
49	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, .	1.6	19
50	A Simple Model for Evaluating Conditioned Velocities in Premixed Turbulent Flames. <i>Combustion Science and Technology</i> , 2011, 183, 588-613.	1.2	18
51	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.	1.9	18
52	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.	3.8	18
53	Combustion-induced local shear layers within premixed flamelets in weakly turbulent flows. <i>Physics of Fluids</i> , 2018, 30, 085101.	1.6	18
54	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.	1.4	18

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55	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.	2.8	18
56	Dependence of heat release on the progress variable in premixed turbulent combustion. <i>Proceedings of the Combustion Institute</i> , 2000, 28, 227-234.	2.4	17
57	Evolution of averaged local premixed flame thickness in a turbulent flow. <i>Combustion and Flame</i> , 2019, 207, 232-249.	2.8	17
58	Lewis number and preferential diffusion effects in lean hydrogen-air highly turbulent flames. <i>Physics of Fluids</i> , 2022, 34, .	1.6	17
59	Are premixed turbulent stagnation flames equivalent to fully developed ones? A computational study. <i>Combustion Science and Technology</i> , 2002, 174, 3-26.	1.2	16
60	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.	1.4	16
61	Dissipation and dilatation rates in premixed turbulent flames. <i>Physics of Fluids</i> , 2021, 33, 035112.	1.6	16
62	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, .	1.6	16
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.	2.4	15
64	Thin reaction zones in highly turbulent medium. <i>International Journal of Heat and Mass Transfer</i> , 2019, 128, 1201-1205.	2.5	15
65	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.	2.4	15
66	Can we characterize turbulence in premixed flames?. <i>Combustion and Flame</i> , 2009, 156, 1242-1247.	2.8	14
67	Testing Premixed Turbulent Combustion Models by Studying Flame Dynamics. <i>International Journal of Spray and Combustion Dynamics</i> , 2009, 1, 39-66.	0.4	14
68	Conditioned moments in premixed turbulent reacting flows. <i>Proceedings of the Combustion Institute</i> , 2011, 33, 1489-1496.	2.4	14
69	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.	2.8	14
70	A test of conditioned balance equation approach. <i>Proceedings of the Combustion Institute</i> , 2011, 33, 1497-1504.	2.4	13
71	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.	0.8	13
72	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.	3.8	13

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73	Transient Behavior of Turbulent Scalar Transport in Premixed Flames. <i>Flow, Turbulence and Combustion</i> , 2011, 86, 609-637.	1.4	12
74	Evaluation of mean species mass fractions in premixed turbulent flames: A DNS study. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 6413-6420.	2.4	12
75	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.	1.0	11
76	Comment on "Turbulent burning velocity, burned gas distribution, and associated flame surface definition". <i>Combustion and Flame</i> , 2004, 137, 261-263.	2.8	11
77	Effects of flame development on stationary premixed turbulent combustion. <i>Proceedings of the Combustion Institute</i> , 2007, 31, 3115-3122.	2.4	11
78	Modelling of Gasoline and Ethanol Hollow-Cone Sprays Using OpenFOAM. , 2011, , .		11
79	RANS Simulations of Statistically Stationary Premixed Turbulent Combustion Using Flame Speed Closure Model. <i>Flow, Turbulence and Combustion</i> , 2015, 94, 381-414.	1.4	11
80	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.	1.2	11
81	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.	3.8	11
82	Developing Premixed Turbulent Flames: Part II. Pressure-Driven Transport and Turbulent Diffusion. <i>Combustion Science and Technology</i> , 2001, 165, 175-195.	1.2	10
83	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.	2.5	10
84	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.	1.0	10
85	Evolution equations for the decomposed components of displacement speed in a reactive scalar field. <i>Journal of Fluid Mechanics</i> , 2021, 911, .	1.4	10
86	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> , 2022, 75, 104707.	1.7	10
87	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.	0.4	9
88	Turbulent Flame Speed Closure Model: Further Development and Implementation for 3-D Simulation of Combustion in SI Engine. , 0, , .		8
89	Simulations of Fuel/Air Mixing, Combustion, and Pollutant Formation in a Direct Injection Gasoline Engine. , 2002, , .		8
90	SCALAR TRANSPORT IN SELF-SIMILAR, DEVELOPING, PREMIXED, TURBULENT FLAMES. <i>Combustion Science and Technology</i> , 2007, 179, 91-115.	1.2	8

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91	Towards an Extension of TFC Model of Premixed Turbulent Combustion. Flow, Turbulence and Combustion, 2013, 90, 387-400.	1.4	8
92	Surface-averaged quantities in turbulent reacting flows and relevant evolution equations. Physical Review E, 2019, 100, 013107.	0.8	8
93	Closure Relations for Fluxes of Flame Surface Density and Scalar Dissipation Rate in Turbulent Premixed Flames. Fluids, 2019, 4, 43.	0.8	8
94	A DNS Study of Sensitivity of Scaling Exponents for Premixed Turbulent Consumption Velocity to Transient Effects. Flow, Turbulence and Combustion, 2019, 102, 679-698.	1.4	8
95	A DNS study of extreme and leading points in lean hydrogen-air turbulent flames - part II: Local velocity field and flame topology. Combustion and Flame, 2022, 235, 111712.	2.8	8
96	Transition from Countergradient to Gradient Scalar Transport in Developing Premixed Turbulent Flames. Flow, Turbulence and Combustion, 2013, 90, 401-418.	1.4	7
97	Analytical and numerical study of travelling waves using the Maxwell-Cattaneo relaxation model extended to reaction-advection-diffusion systems. Physical Review E, 2016, 94, 042218.	0.8	7
98	Statistics conditioned to isoscalar surfaces in highly turbulent premixed reacting systems. Computers and Fluids, 2019, 187, 69-82.	1.3	7
99	DNS Study of the Bending Effect Due to Smoothing Mechanism. Fluids, 2019, 4, 31.	0.8	7
100	Bifractal nature of turbulent reaction waves at high Damköhler and Karlovitz numbers. Physics of Fluids, 2020, 32, .	1.6	7
101	Application of Helmholtz-Hodge decomposition and conditioned structure functions to exploring influence of premixed combustion on turbulence upstream of the flame. Proceedings of the Combustion Institute, 2021, 38, 3077-3085.	2.4	7
102	Scaling of reaction progress variable variance in highly turbulent reaction waves. Physics of Fluids, 2021, 33, .	1.6	7
103	A numerical support of leading point concept. International Journal of Hydrogen Energy, 2022, 47, 23444-23461.	3.8	7
104	A Numerical Study on Stratified Turbulent Combustion in a Direct-Injection Spark-Ignition Gasoline Engine Using an Open-Source Code. , 2014, , .		6
105	Unsteady 3-D RANS simulations of dust explosion in a fan stirred explosion vessel using an open source code. Journal of Loss Prevention in the Process Industries, 2020, 67, 104237.	1.7	6
106	Influence of Thermal Expansion on Potential and Rotational Components of Turbulent Velocity Field Within and Upstream of Premixed Flame Brush. Flow, Turbulence and Combustion, 2021, 106, 1111-1124.	1.4	6
107	Solenoidal and potential velocity fields in weakly turbulent premixed flames. Proceedings of the Combustion Institute, 2021, 38, 3087-3095.	2.4	6
108	A DNS study of extreme and leading points in lean hydrogen-air turbulent flames " Part I: Local thermochemical structure and reaction rates. Combustion and Flame, 2022, 235, 111716.	2.8	6

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109	Flame folding and conditioned concentration profiles in moderately intense turbulence. <i>Physics of Fluids</i> , 2022, 34, .	1.6	6
110	Influence of equivalence ratio on turbulent burning velocity and extreme fuel consumption rate in lean hydrogen-air turbulent flames. <i>Fuel</i> , 2022, 327, 124969.	3.4	6
111	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.	2.8	5
112	Some Basic Issues of the Averaged G-Equation Approach to Premixed Turbulent Combustion Modeling. <i>The Open Thermodynamics Journal</i> , 2008, 2, 53-58.	0.6	5
113	Conditioned structure functions in turbulent hydrogen/air flames. <i>Physics of Fluids</i> , 0, , .	1.6	5
114	Modeling of Pressure and Non-Stationary Effects in Spark Ignition Engine Combustion: A Comparison of Different Approaches. , 2000, , .		4
115	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.	0.5	4
116	Comparison of Presumed PDF Models of Turbulent Flames. <i>Journal of Combustion</i> , 2012, 2012, 1-15.	0.5	4
117	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.	1.2	4
118	A New Mathematical Framework for Describing Thin-Reaction-Zone Regime of Turbulent Reacting Flows at Low Damköhler Number. <i>Fluids</i> , 2020, 5, 109.	0.8	4
119	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.	0.1	4
120	NUMERICAL TESTS OF A MEASUREMENT METHOD FOR TURBULENT BURNING VELOCITY IN STAGNATION FLAMES. <i>Combustion Science and Technology</i> , 2006, 178, 1117-1141.	1.2	3
121	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.	1.2	3
122	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.	1.4	3
123	Randomness of Flame Kernel Development in Turbulent Gas Mixture. , 1998, , .		2
124	A Numerical Study of Weakly Turbulent Premixed Combustion with Flame Speed Closure Model. , 2003, , .		2
125	Simulations of Scalar Transport in Developing Turbulent Flames Solving a Conditioned Balance Equation. <i>Combustion Science and Technology</i> , 2010, 182, 405-421.	1.2	2
126	Burning Rate in Impinging Jet Flames. <i>Journal of Combustion</i> , 2011, 2011, 1-11.	0.5	2

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127	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
128	Large Eddy Simulation of Stratified Combustion in Spray-guided Direct Injection Spark-ignition Engine. , 0, , .		2
129	RANS Simulations of Premixed Turbulent Flames. Energy, Environment, and Sustainability, 2018, , 181-240.	0.6	1
130	Numerical Simulations of Turbulent Combustion. Fluids, 2020, 5, 22.	0.8	1
131	Passive Front Propagation in Intense Turbulence: Early Transient and Late Statistically Stationary Stages of the Front Area Evolution. Energies, 2021, 14, 5102.	1.6	1
132	Taking account of heat losses in modeling the turbulent combustion of a preliminarily mixed mixture. Combustion, Explosion and Shock Waves, 1988, 24, 290-293.	0.3	0
133	Nitrogen oxide formation in a flame at slight deviations from equilibrium. Combustion, Explosion and Shock Waves, 1989, 24, 407-409.	0.3	0
134	Numerical modeling of nitrogen oxide formation in turbulent combustion of a premixed gas mixture. Combustion, Explosion and Shock Waves, 1993, 29, 326-330.	0.3	0
135	A Method for Evaluating Fully Developed Turbulent Flame Speed. , 2001, , .		0
136	TRANSIENT AND CURVATURE EFFECTS WHEN DEFINING BURNING VELOCITY AND SPEED OF PREMIXED TURBULENT FLAMES. , 2002, , 853-862.		0
137	Modeling of Turbulent Scalar Transport in Expanding Spherical Flames. , 2005, , .		0
138	Numerical Modeling of Stationary But Developing Premixed Turbulent Flames. , 2006, , 691.		0
139	Premixed Turbulent Flames. Journal of Combustion, 2011, 2011, 1-2.	0.5	0
140	Reply to comments by Zimont. Combustion and Flame, 2011, 158, 2073-2074.	2.8	0
141	Numerical and Experimental Study of Stratified Turbulent Combustion in a Spray-Guided Gasoline Direct Injection Engine. Lecture Notes in Mobility, 2015, , 77-84.	0.2	0
142	A balance equation for modeling conditioned enthalpies in premixed turbulent flames. Combustion and Flame, 2015, 162, 3691-3703.	2.8	0
143	Smallest scale of wrinkles of a Huygens front in extremely strong turbulence. Physical Review E, 2021, 104, 045101.	0.8	0
144	(2-10) Towards Evaluation of Turbulent Flame Speed((SI-4)S. I. Engine Combustion 4-Flame Propagation). The Proceedings of the International Symposium on Diagnostics and Modeling of Combustion in Internal Combustion Engines, 2001, 01.204, 31.	0.1	0

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145	Effects of Flame Development and Structure on Thermo-Acoustic Oscillations of Premixed Turbulent Flames(S.I. Engines, Flame Propagation). The Proceedings of the International Symposium on Diagnostics and Modeling of Combustion in Internal Combustion Engines, 2004, 2004.6, 599-606.	0.1	0