

# Epaminondas Mastorakos

## List of Publications by Year in descending order

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230  
papers

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36203

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235  
docs citations

235  
times ranked

2778  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polydispersity Effects in Low-order Ignition Modeling of Jet Fuel Sprays. <i>Combustion Science and Technology</i> , 2022, 194, 258-271.	1.2	3
2	Autoignition of isolated <i>n</i> -heptane droplets in air and hot combustion products at microturbine conditions. <i>Combustion Theory and Modelling</i> , 2022, 26, 541-559.	1.0	2
3	Modelling of Boil-Off and Sloshing Relevant to Future Liquid Hydrogen Carriers. <i>Energies</i> , 2022, 15, 2046.	1.6	16
4	Experimental Investigation of Soot Production and Oxidation in a Lab-Scale Rich "Quench" Lean (RQL) Burner. <i>Flow, Turbulence and Combustion</i> , 2021, 106, 1019-1041.	1.4	7
5	Blow-off mechanisms of turbulent premixed bluff-body stabilised flames operated with vapourised kerosene fuels. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 2957-2965.	2.4	14
6	On the bi-stable nature of turbulent premixed bluff-body stabilized flames at elevated pressure and near lean blow-off. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 2853-2860.	2.4	5
7	Soot particle size distribution measurements in a turbulent ethylene swirl flame. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 2691-2699.	2.4	13
8	A-Priori Validation of Scalar Dissipation Rate Models for Turbulent Non-Premixed Flames. <i>Flow, Turbulence and Combustion</i> , 2021, 107, 201-218.	1.4	5
9	Evolution of spray and aerosol from respiratory releases: theoretical estimates for insight on viral transmission. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2021, 477, 20200584.	1.0	71
10	Simulating the blowoff transient of a swirling, bluff body-stabilized kerosene spray flame using detailed chemistry. , 2021, , .		1
11	Soot-Free Low-NOx Aeronautical Combustor Concept: The Lean Azimuthal Flame for Kerosene Sprays. <i>Energy &amp; Fuels</i> , 2021, 35, 7092-7106.	2.5	14
12	Ignition Probability and Lean Ignition Behavior of a Swirled Premixed Bluff Body Stabilized Annular Combustor. <i>Journal of Engineering for Gas Turbines and Power</i> , 2021, 143, .	0.5	4
13	Lean Blow-Off Scaling of Turbulent Premixed Bluff-Body Flames of Vaporized Liquid Fuels. <i>Journal of Propulsion and Power</i> , 2021, 37, 479-486.	1.3	6
14	Experimental investigation of unconfined turbulent premixed bluff-body stabilized flames operated with vapourised liquid fuels. <i>Combustion and Flame</i> , 2021, 227, 428-442.	2.8	14
15	Low-order modeling of high-altitude relight of jet engine combustors. <i>International Journal of Spray and Combustion Dynamics</i> , 2021, 13, 20-34.	0.4	8
16	Development of a moving point source model for shipping emission dispersion modeling in EPISODE "CityChem v1.3. <i>Geoscientific Model Development</i> , 2021, 14, 4509-4534.	1.3	7
17	Lean Blowout Studies. , 2021, , 143-196.		2
18	Analysing the Performance of Ammonia Powertrains in the Marine Environment. <i>Energies</i> , 2021, 14, 7447.	1.6	19

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19	Lean blow-off investigation in a linear multi-burner combustor operated in premixed and non-premixed modes. Applications in Energy and Combustion Science, 2021, , 100041.	0.9	0
20	Estimates of the stochasticity of droplet dispersion by a cough. Physics of Fluids, 2021, 33, 115130.	1.6	12
21	A Comparison of Alternative Fuels for Shipping in Terms of Lifecycle Energy and Cost. Energies, 2021, 14, 8502.	1.6	40
22	Experimental assessment of the lean blow-off in a fully premixed annular combustor. Experimental Thermal and Fluid Science, 2020, 112, 109994.	1.5	15
23	Effect of spark location and laminar flame speed on the ignition transient of a premixed annular combustor. Combustion and Flame, 2020, 221, 296-310.	2.8	22
24	Incompletely Stirred Reactor Network Modeling of a Model Gas Turbine Combustor. , 2020, , .		3
25	MILD Combustion Limit Phenomena. Frontiers in Mechanical Engineering, 2020, 5, .	0.8	2
26	Comprehensive soot particle size distribution modelling of a model Rich-Quench-Lean burner. Fuel, 2020, 270, 117483.	3.4	12
27	Soot Emission Simulations of a Single Sector Model Combustor Using Incompletely Stirred Reactor Network Modeling. Journal of Engineering for Gas Turbines and Power, 2020, 142, .	0.5	10
28	Temperature and reaction zone imaging in turbulent swirling dual-fuel flames. Proceedings of the Combustion Institute, 2019, 37, 2159-2166.	2.4	20
29	Advances in Turbulence, Heat and Mass Transfer Preface. Flow, Turbulence and Combustion, 2019, 103, 845-846.	1.4	0
30	Turbulent Combustion Modelling and Experiments: Recent Trends and Developments. Flow, Turbulence and Combustion, 2019, 103, 847-869.	1.4	46
31	Large Eddy Simulation of a spray jet flame using Doubly Conditional Moment Closure. Combustion and Flame, 2019, 199, 309-323.	2.8	26
32	Assessment of experimental observables for local extinction through unsteady laminar flame calculations. Combustion and Flame, 2019, 207, 196-204.	2.8	10
33	Mechanisms of flame propagation in jet fuel sprays as revealed by OH/fuel planar laser-induced fluorescence and OH* chemiluminescence. Combustion and Flame, 2019, 206, 308-321.	2.8	31
34	Investigation of the effect of dilution air on soot production and oxidation in a lab scale Rich-Quench-Lean (RQL) burner. , 2019, , .		2
35	Blow-off mechanism in a turbulent premixed bluff-body stabilized flame with pre-vaporized fuels. , 2019, , .		1
36	An assessment of the uncertainty involved in predictions of energy consumption and carbon emissions from future fully-electrified aircraft. , 2019, , .		0

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37	LES/CMC Modelling of a Gas Turbine Model Combustor with Quick Fuel Mixing. Flow, Turbulence and Combustion, 2019, 102, 909-930.	1.4	9
38	Numerical investigation of lean blow-out of kerosene spray flames with detailed chemical models. , 2019, , .		3
39	A Systems-Level Study of Various Passenger Aircraft Electrification Scenarios. , 2019, , .		1
40	Validation of a low-order model for ignition of sprays. , 2019, , .		1
41	The structure of spherical flames in turbulent two-phase flows as revealed by OH and fuel PLIF. , 2019, , .		1
42	LES/CMC modelling of ignition and flame propagation in a non-premixed methane jet. Proceedings of the Combustion Institute, 2019, 37, 2125-2132.	2.4	20
43	Ignition of uniform droplet-laden weakly turbulent flows following a laser spark. Combustion and Flame, 2019, 199, 387-400.	2.8	22
44	A LES-CMC formulation for premixed flames including differential diffusion. Combustion Theory and Modelling, 2018, 22, 411-431.	1.0	14
45	Measurements in swirling spray flames at blow-off. International Journal of Spray and Combustion Dynamics, 2018, 10, 185-210.	0.4	28
46	Stabilisation of swirling dual-fuel flames. Experimental Thermal and Fluid Science, 2018, 95, 65-72.	1.5	17
47	Dynamics of acoustically forced non-premixed flames close to blow-off. Experimental Thermal and Fluid Science, 2018, 95, 81-87.	1.5	11
48	A lab-scale Rich-Quench-Lean (RQL) combustor for stability and soot investigations. , 2018, , .		2
49	Lean Blowoff Scaling of Swirling, Bluff-Body Stabilized Spray Flames. , 2018, , .		3
50	Response of flames with different degrees of premixedness to acoustic oscillations. Combustion Science and Technology, 2018, 190, 1426-1441.	1.2	10
51	Low-Order Modeling of Combustion Noise in an Aero-Engine: The Effect of Entropy Dispersion. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	0.5	10
52	Investigation of Flame Structure and Soot Formation in a Single Sector Model Combustor Using Experiments and Numerical Simulations Based on the Large Eddy Simulation/Conditional Moment Closure Approach. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	0.5	14
53	Pre-Chamber Ignition Mechanism: Simulations of Transient Autoignition in a Mixing Layer Between Reactants and Partially-Burnt Products. Flow, Turbulence and Combustion, 2018, 101, 1093-1102.	1.4	18
54	Numerical Investigation of Flame Structure and Soot Formation in a Lab-Scale Rich-Quench-Lean Burner. , 2018, , .		3

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55	Numerical investigation of kerosene single droplet ignition at high-altitude relight conditions. Fuel, 2018, 225, 663-670.	3.4	22
56	Pre-chamber ignition mechanism: Experiments and simulations on turbulent jet flame structure. Fuel, 2018, 230, 274-281.	3.4	73
57	Effects of droplet size on the ignition of conventional and alternative jet fuels in turbulent air. , 2018, , .		3
58	Modelling local extinction in Sydney swirling non-premixed flames with LES/CMC. Proceedings of the Combustion Institute, 2017, 36, 1669-1676.	2.4	17
59	The effect of fuel composition on swirling kerosene flames. , 2017, , .		12
60	Forced Response of Flames in a Bluff-Body Stabilized Annular Combustor. , 2017, , .		1
61	Transient Behavior of Kerosene Flames in a Bluff-Body Stabilized Swirl Combustor. , 2017, , .		1
62	Forced ignition of dispersions of liquid fuel in turbulent air flow. , 2017, , .		1
63	Experimental and Numerical Investigation on Spark Ignition of Linearly Arranged Non-Premixed Swirling Burners. Combustion Science and Technology, 2017, 189, 1326-1353.	1.2	22
64	Experimental investigation on spark ignition of annular premixed combustors. Combustion and Flame, 2017, 178, 148-157.	2.8	52
65	Numerical Investigation of the Stochastic Behavior of Light-Round in Annular Non-Premixed Combustors. Combustion Science and Technology, 2017, 189, 1467-1485.	1.2	23
66	Experimental investigation of turbulent flames in uniform dispersions of ethanol droplets. Combustion and Flame, 2017, 179, 95-116.	2.8	13
67	Experimental and numerical investigation of an ultra-low NO <sub>x</sub> methane reactor. Energy Procedia, 2017, 120, 214-221.	1.8	9
68	Low-Order Modelling of Combustion Noise in an Aero-Engine: The Effect of Entropy Dispersion. , 2017, , .		0
69	Investigation of Flame Structure and Soot Formation in a Single Sector Model Combustor Using Experiments and Numerical Simulations Based on the LES/CMC Approach. , 2017, , .		1
70	Simulations of droplet combustion under gas turbine conditions. Combustion and Flame, 2017, 184, 101-116.	2.8	16
71	Forced ignition of turbulent spray flames. Proceedings of the Combustion Institute, 2017, 36, 2367-2383.	2.4	109
72	Experimental and Numerical Investigation into the Propagation of Entropy Waves. AIAA Journal, 2017, 55, 446-458.	1.5	54

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73	Azimuthally forced flames in an annular combustor. Proceedings of the Combustion Institute, 2017, 36, 3783-3790.	2.4	28
74	Detailed chemistry LES/CMC simulation of a swirling ethanol spray flame approaching blow-off. Proceedings of the Combustion Institute, 2017, 36, 2625-2632.	2.4	71
75	Visualisation of turbulent swirling dual-fuel flames. Proceedings of the Combustion Institute, 2017, 36, 1721-1727.	2.4	19
76	Modelling of Spray Flames with Doubly Conditional Moment Closure. Flow, Turbulence and Combustion, 2017, 99, 933-954.	1.4	10
77	Prediction of Global Extinction Conditions and Dynamics in Swirling Non-premixed Flames Using LES/CMC Modelling. Flow, Turbulence and Combustion, 2016, 96, 863-889.	1.4	47
78	Simulations and experiments on the ignition probability in turbulent premixed bluff-body flames. Combustion Theory and Modelling, 2016, 20, 548-565.	1.0	34
79	Statistical Analysis of Turbulent Flame-Droplet Interaction: A Direct Numerical Simulation Study. Flow, Turbulence and Combustion, 2016, 96, 573-607.	1.4	38
80	Simulations of laminar non-premixed flames of kerosene with hot combustion products as oxidiser. Combustion Theory and Modelling, 2016, 20, 958-973.	1.0	8
81	Numerical simulation of shale gas flow in three-dimensional fractured porous media. Journal of Unconventional Oil and Gas Resources, 2016, 16, 90-112.	3.5	11
82	LES/CMC Simulations of Swirl-Stabilised Ethanol Spray Flames Approaching Blow-Off. Flow, Turbulence and Combustion, 2016, 97, 1165-1184.	1.4	25
83	Autoignition of n-decane Droplets in the Low-, Intermediate-, and High-temperature Regimes from a Mixture Fraction Viewpoint. Flow, Turbulence and Combustion, 2016, 96, 1107-1121.	1.4	12
84	Direct Numerical Simulations of Dual-Fuel Non-Premixed Autoignition. Combustion Science and Technology, 2016, 188, 542-555.	1.2	12
85	Heat Release Imaging in Turbulent Premixed Ethylene-Air Flames Near Blow-off. Flow, Turbulence and Combustion, 2016, 96, 1039-1051.	1.4	24
86	Laser-induced breakdown spectroscopy measurements of mean mixture fraction in turbulent methane flames with a novel calibration scheme. Combustion and Flame, 2016, 167, 72-85.	2.8	36
87	Regimes of Nonpremixed Combustion of Hot Low-Calorific-Value Gases Derived from Biomass Gasification. Energy & Fuels, 2016, 30, 4386-4397.	2.5	21
88	Direct Numerical Simulations of premixed methane flame initiation by pilot n-heptane spray autoignition. Combustion and Flame, 2016, 163, 122-137.	2.8	53
89	Experimental Investigation of the Response of Premixed and Non-premixed Turbulent Flames to Acoustic Forcing. , 2016, , .		6
90	Simulations of kerosene droplet combustion in vitiated air. , 2016, , .		0

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91	Simulations of laminar non-premixed flames of methane with hot combustion products as oxidiser. Combustion and Flame, 2016, 163, 1-11.	2.8	28
92	Spark ignition of a turbulent shear-less fuel-air mixing layer. Fuel, 2016, 164, 297-304.	3.4	25
93	Spark ignition of annular non-premixed combustors. Experimental Thermal and Fluid Science, 2016, 73, 64-70.	1.5	46
94	Conditional moment closure for two-phase flows – A review of recent developments and application to various spray combustion configurations. , 2015, , .		1
95	Reaction zone visualisation in swirling spray n-heptane flames. Proceedings of the Combustion Institute, 2015, 35, 1649-1656.	2.4	49
96	Spontaneous ignition of isolated n-heptane droplets at low, intermediate, and high ambient temperatures from a mixture-fraction perspective. Combustion and Flame, 2015, 162, 2544-2560.	2.8	31
97	H <sub>2</sub> /air autoignition: The nature and interaction of the developing explosive modes. Combustion Theory and Modelling, 2015, 19, 382-433.	1.0	46
98	Chaos in an imperfectly premixed model combustor. Chaos, 2015, 25, 023101.	1.0	59
99	Proper Orthogonal Decomposition Analysis of a Turbulent Swirling Self-Excited Premixed Flame. , 2015, , .		5
100	Numerical simulation of oxy-fuel jet flames using unstructured LES-CMC. Proceedings of the Combustion Institute, 2015, 35, 1207-1214.	2.4	44
101	Large Eddy Simulation/Conditional Moment Closure modeling of swirl-stabilized non-premixed flames with local extinction. Proceedings of the Combustion Institute, 2015, 35, 1167-1174.	2.4	50
102	Visualization of MILD combustion from jets in cross-flow. Proceedings of the Combustion Institute, 2015, 35, 3537-3545.	2.4	61
103	Heat release imaging in turbulent premixed methane-air flames close to blow-off. Proceedings of the Combustion Institute, 2015, 35, 1443-1450.	2.4	79
104	Simulations of Autoignition and Laminar Premixed Flames in Methane/Air Mixtures Diluted with Hot Products. Combustion Science and Technology, 2014, 186, 453-465.	1.2	40
105	Laser-induced breakdown spectroscopy measurements in turbulent methane flames. , 2014, , .		3
106	Numerical Investigation of Ignition Performance of a Lean Burn Combustor at Sub-Atmospheric Conditions. , 2014, , .		8
107	Influence of turbulence-chemistry interaction for n-heptane spray combustion under diesel engine conditions with emphasis on soot formation and oxidation. Combustion Theory and Modelling, 2014, 18, 330-360.	1.0	55
108	LES/CMC of Blow-off in a Liquid Fueled Swirl Burner. Flow, Turbulence and Combustion, 2014, 92, 237-267.	1.4	70

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109	Direct Numerical Simulations of Heptane Spray Autoignition in Methane-air Mixtures Relevant to Dual-fuel Engines. , 2014, , .		1
110	Numerical simulation of thermal and reaction fronts for oil shale upgrading. Chemical Engineering Science, 2013, 94, 200-213.	1.9	42
111	A Comparison of the Blow-Off Behaviour of Swirl-Stabilized Premixed, Non-Premixed and Spray Flames. Flow, Turbulence and Combustion, 2013, 91, 347-372.	1.4	129
112	Numerical simulation of thermal and reaction waves for in situ combustion in hydrocarbon reservoirs. Fuel, 2013, 108, 780-792.	3.4	18
113	Complex chemistry DNS of n-heptane spray autoignition at high pressure and intermediate temperature conditions. Combustion and Flame, 2013, 160, 1254-1275.	2.8	97
114	Investigation of the "TECLAM" Non-premixed Flame Using Large Eddy Simulation and Proper Orthogonal Decomposition. Flow, Turbulence and Combustion, 2013, 90, 219-241.	1.4	12
115	LES-CMC Simulations of Different Auto-ignition Regimes of Hydrogen in a Hot Turbulent Air Co-flow. Flow, Turbulence and Combustion, 2013, 90, 583-604.	1.4	18
116	Soot Formation Modeling of n-Heptane Sprays Under Diesel Engine Conditions Using the Conditional Moment Closure Approach. Combustion Science and Technology, 2013, 185, 766-793.	1.2	73
117	Sensitivity analysis of LES-CMC predictions of piloted jet flames. International Journal of Heat and Fluid Flow, 2013, 39, 53-63.	1.1	15
118	Spark ignition of single bluff-body premixed flames and annular combustors. , 2013, , .		12
119	LES/CMC Predictions of Spark Ignition Probability in a Liquid Fuelled Swirl Combustor. , 2013, , .		3
120	Visualisation of blow-off events of two interacting turbulent premixed flames. , 2013, , .		4
121	Direct numerical simulations of n-heptane spray autoignition in the low-temperature regime. , 2013, , .		0
122	A Simple Model of Off-Stoichiometric Premixed Fuel Rich Spray Flames with Droplet Evaporation and Pyrolysis. International Journal of Spray and Combustion Dynamics, 2012, 4, 97-122.	0.4	1
123	Autoignition of monodisperse biodiesel and diesel sprays in turbulent flows. Experimental Thermal and Fluid Science, 2012, 43, 40-46.	1.5	8
124	Structure of igniting ethanol and n-heptane spray flames with and without swirl. Experimental Thermal and Fluid Science, 2012, 43, 47-54.	1.5	33
125	Measurements in turbulent premixed bluff body flames close to blow-off. Combustion and Flame, 2012, 159, 2589-2607.	2.8	129
126	A comparison of the blow-off behaviour of swirl-stabilized premixed and spray flames. , 2012, , .		0



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127	The internal structure of igniting turbulent sprays as revealed by complex chemistry DNS. <i>Combustion and Flame</i> , 2012, 159, 641-664.	2.8	58
128	Spark ignition of turbulent recirculating non-premixed gas and spray flames: A model for predicting ignition probability. <i>Combustion and Flame</i> , 2012, 159, 1503-1522.	2.8	78
129	Conditional Moment Closure/Large Eddy Simulation of the Delft-III Natural Gas Non-premixed Jet Flame. <i>Flow, Turbulence and Combustion</i> , 2012, 88, 207-231.	1.4	18
130	LES/CMC of blow-off in a liquid fueled swirl burner. , 2012, , .		1
131	Modeling evaporation effects in conditional moment closure for spray autoignition. <i>Combustion Theory and Modelling</i> , 2011, 15, 725-752.	1.0	74
132	Turbulent Combustion: Concepts, Governing Equations and Modeling Strategies. <i>Fluid Mechanics and Its Applications</i> , 2011, , 19-39.	0.1	8
133	The Conditional Moment Closure Model. <i>Fluid Mechanics and Its Applications</i> , 2011, , 91-117.	0.1	15
134	Spark ignition and expansion of a turbulent non-premixed bluff-body methane flame using Large Eddy Simulations. , 2011, , .		0
135	Autoignition of Liquid Fuel Droplets in a Turbulent Cross-Flow of Air. , 2011, , .		1
136	Experimental Investigation of the Effects of Turbulence and Mixing on Autoignition Chemistry. <i>Flow, Turbulence and Combustion</i> , 2011, 86, 585-608.	1.4	47
137	Simulation of Hydrogen Auto-Ignition in a Turbulent Co-flow of Heated Air with LES and CMC Approach. <i>Flow, Turbulence and Combustion</i> , 2011, 86, 689-710.	1.4	27
138	Complex chemistry simulations of spark ignition in turbulent sprays. <i>Proceedings of the Combustion Institute</i> , 2011, 33, 2135-2142.	2.4	46
139	Syngas production from liquid fuels in a non-catalytic porous burner. <i>Fuel</i> , 2011, 90, 64-76.	3.4	35
140	Visualization of blow-off events in bluff-body stabilized turbulent premixed flames. <i>Proceedings of the Combustion Institute</i> , 2011, 33, 1559-1566.	2.4	81
141	Capturing localised extinction in Sandia Flame F with LES&quot;CMC. <i>Proceedings of the Combustion Institute</i> , 2011, 33, 1673-1680.	2.4	85
142	A forced ignition probability analysis method using LES and Lagrangian particle monitoring. <i>Proceedings of the Combustion Institute</i> , 2011, 33, 2919-2925.	2.4	13
143	Conditional Moment Closure LES Modelling of an Aero-Engine Combustor at Relight Conditions. , 2011, , .		1
144	Numerical Investigation of Edge Flame Propagation Behavior in an Igniting Turbulent Planar Jet. <i>Combustion Science and Technology</i> , 2010, 182, 1747-1781.	1.2	13

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145	Experiments and Simulations of n-Heptane Spray Auto-Ignition in a Closed Combustion Chamber at Diesel Engine Conditions. <i>Flow, Turbulence and Combustion</i> , 2010, 84, 49-78.	1.4	68
146	Implementation Issues of the Conditional Moment Closure Model in Large Eddy Simulations. <i>Flow, Turbulence and Combustion</i> , 2010, 84, 481-512.	1.4	62
147	Effects of Fuel Lewis Number on Localised Forced Ignition of Turbulent Mixing Layers. <i>Flow, Turbulence and Combustion</i> , 2010, 84, 125-166.	1.4	15
148	Experiments and Large-Eddy Simulations of acoustically forced bluff-body flows. <i>International Journal of Heat and Fluid Flow</i> , 2010, 31, 754-766.	1.1	18
149	Rich n-heptane and diesel combustion in porous media. <i>Experimental Thermal and Fluid Science</i> , 2010, 34, 359-365.	1.5	21
150	Comparison of electrical and laser spark emission spectroscopy for fuel concentration measurements. <i>Experimental Thermal and Fluid Science</i> , 2010, 34, 338-345.	1.5	27
151	DNS of spark ignition and edge flame propagation in turbulent droplet-laden mixing layers. <i>Combustion and Flame</i> , 2010, 157, 1071-1086.	2.8	79
152	Numerical Simulation of Autoignition of a Diluted Hydrogen Plume in Co-Flowing Turbulent Hot Air. , 2010, , .		6
153	Simulations of the Chemical Transformations In a Jet Engine Exhaust Plume. , 2010, , .		0
154	Simulations of Spark Ignition of a Swirling n-Heptane Spray Flame with Conditional Moment Closure. , 2010, , .		3
155	Correlation of Spark Ignition with the Local Instantaneous Mixture Fraction in a Turbulent Nonpremixed Methane Jet. <i>Combustion Science and Technology</i> , 2010, 182, 1360-1368.	1.2	24
156	LES/CMC of Forced Ignition of a Bluff-Body Stabilised Non-premixed Methane Flame. <i>ERCOFTAC Series</i> , 2010, , 361-366.	0.1	0
157	Simulations of the dispersion of reactive pollutants in a street canyon, considering different chemical mechanisms and micromixing. <i>Atmospheric Environment</i> , 2009, 43, 4670-4680.	1.9	48
158	Second-Order Conditional Moment Closure Simulations of Autoignition of an n-heptane Plume in a Turbulent Coflow of Heated Air. <i>Flow, Turbulence and Combustion</i> , 2009, 82, 455-475.	1.4	23
159	Ignition of turbulent non-premixed flames. <i>Progress in Energy and Combustion Science</i> , 2009, 35, 57-97.	15.8	576
160	The effects of the Lewis number of the fuel on the displacement speed of edge flames in igniting turbulent mixing layers. <i>Proceedings of the Combustion Institute</i> , 2009, 32, 1399-1407.	2.4	25
161	Direct numerical simulations of turbulent flame expansion in fine sprays. <i>Proceedings of the Combustion Institute</i> , 2009, 32, 2283-2290.	2.4	71
162	Direct numerical simulations of autoignition in turbulent two-phase flows. <i>Proceedings of the Combustion Institute</i> , 2009, 32, 2275-2282.	2.4	78

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163	Statistics of relative and absolute velocities of turbulent non-premixed edge flames following spark ignition. Proceedings of the Combustion Institute, 2009, 32, 2957-2964.	2.4	45
164	Ignition of turbulent swirling n-heptane spray flames using single and multiple sparks. Combustion and Flame, 2009, 156, 166-180.	2.8	116
165	Investigations on the self-excited oscillations in a kerosene spray flame. Combustion and Flame, 2009, 156, 374-384.	2.8	58
166	Simulations of laminar flame propagation in droplet mists. Combustion and Flame, 2009, 156, 1627-1640.	2.8	89
167	Large Eddy Simulations of forced ignition of a non-premixed bluff-body methane flame with Conditional Moment Closure. Combustion and Flame, 2009, 156, 2328-2345.	2.8	108
168	Spark Ignition in a Turbulent Shearless Fuel-Air Mixing Layer: Average Flame Growth Rates. , 2009, , .		4
169	Heat release rate as represented by $[OH] \tilde{A} - [CH_2O]$ and its role in autoignition. Combustion Theory and Modelling, 2009, 13, 645-670.	1.0	67
170	Spark ignition of turbulent non-premixed flames: experiments and simulations. AIP Conference Proceedings, 2009, , .	0.3	3
171	Aerosol nucleation and growth in a turbulent jet using the Stochastic Fields method. Chemical Engineering Science, 2008, 63, 4078-4089.	1.9	33
172	Simultaneous Rayleigh temperature, OH- and CH <sub>2</sub> O-LIF imaging of methane jets in a vitiated coflow. Combustion and Flame, 2008, 155, 181-195.	2.8	137
173	Direct Numerical Simulations of Localised Forced Ignition in Turbulent Mixing Layers: The Effects of Mixture Fraction and Its Gradient. Flow, Turbulence and Combustion, 2008, 80, 155-186.	1.4	60
174	Measurements of the Statistical Distribution of the Scalar Dissipation Rate in Turbulent Axisymmetric Plumes. Flow, Turbulence and Combustion, 2008, 81, 221-234.	1.4	20
175	Non-linear Response of Turbulent Premixed Flames to Imposed Inlet Velocity Oscillations of Two Frequencies. Flow, Turbulence and Combustion, 2008, 80, 455.	1.4	35
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