Epaminondas Mastorakos

List of Publications by Year
in descending order

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230	9,096	36303	53230
papers	citations	51 h-index	85 g-index

235	235	235	2778
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polydispersity Effects in Low-order Ignition Modeling of Jet Fuel Sprays. Combustion Science and Technology, 2022, 194, 258-271.	2.3	3
2	Autoignition of isolated n-heptane droplets in air and hot combustion products at microturbine conditions. Combustion Theory and Modelling, 2022, 26, 541-559.	1.9	2
3	Modelling of Boil-Off and Sloshing Relevant to Future Liquid Hydrogen Carriers. Energies, 2022, 15, 2046.	3.1	16
4	Experimental Investigation of Soot Production and Oxidation in a Lab-Scale Richâ€“Quenchâ€“Lean (RQL) Burner. Flow, Turbulence and Combustion, 2021, 106, 1019-1041.	2.6	7
5	Blow-off mechanisms of turbulent premixed bluff-body stabilised flames operated with vapourised kerosene fuels. Proceedings of the Combustion Institute, 2021, 38, 2957-2965.	3.9	14
6	On the bi-stable nature of turbulent premixed bluff-body stabilized flames at elevated pressure and near lean blow-off. Proceedings of the Combustion Institute, 2021, 38, 2853-2860.	3.9	5
7	Soot particle size distribution measurements in a turbulent ethylene swirl flame. Proceedings of the Combustion Institute, 2021, 38, 2691-2699.	3.9	13
8	A-Priori Validation of Scalar Dissipation Rate Models for Turbulent Non-Premixed Flames. Flow, Turbulence and Combustion, 2021, 107, 201-218.	2.6	5
9	Evolution of spray and aerosol from respiratory releases: theoretical estimates for insight on viral transmission. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2021, 477, 20200584.	2.1	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. Energy & Fuels, 2021, 35, 7092-7106.	5.1	14
12	Ignition Probability and Lean Ignition Behavior of a Swirled Premixed Bluff Body Stabilized Annular Combustor. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	1.1	4
13	Lean Blow-Off Scaling of Turbulent Premixed Bluff-Body Flames of Vaporized Liquid Fuels. Journal of Propulsion and Power, 2021, 37, 479-486.	2.2	6
14	Experimental investigation of unconfined turbulent premixed bluff-body stabilized flames operated with vapourised liquid fuels. Combustion and Flame, 2021, 227, 428-442.	5.2	14
15	Low-order modeling of high-altitude relight of jet engine combustors. International Journal of Spray and Combustion Dynamics, 2021, 13, 20-34.	1.0	8
16	Development of a moving point source model for shipping emission dispersion modeling in EPISODEâ€“CityChem v1.3. Geoscientific Model Development, 2021, 14, 4509-4534.	3.6	7
17	Lean Blowout Studies. , 2021, , 143-196.		2
18	Analysing the Performance of Ammonia Powertrains in the Marine Environment. Energies, 2021, 14, 7447.	3.1	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.	1.5	0
20	Estimates of the stochasticity of droplet dispersion by a cough. Physics of Fluids, 2021, 33, 115130.	4.0	12
21	A Comparison of Alternative Fuels for Shipping in Terms of Lifecycle Energy and Cost. Energies, 2021, 14, 8502.	3.1	40
22	Experimental assessment of the lean blow-off in a fully premixed annular combustor. Experimental Thermal and Fluid Science, 2020, 112, 109994.	2.7	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.	5.2	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, .	1.8	2
26	Comprehensive soot particle size distribution modelling of a model Rich-Quench-Lean burner. Fuel, 2020, 270, 117483.	6.4	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, .	1.1	10
28	Temperature and reaction zone imaging in turbulent swirling dual-fuel flames. Proceedings of the Combustion Institute, 2019, 37, 2159-2166.	3.9	20
29	Advances in Turbulence, Heat and Mass Transfer Preface. Flow, Turbulence and Combustion, 2019, 103, 845-846.	2.6	0
30	Turbulent Combustion Modelling and Experiments: Recent Trends and Developments. Flow, Turbulence and Combustion, 2019, 103, 847-869.	2.6	46
31	Large Eddy Simulation of a spray jet flame using Doubly Conditional Moment Closure. Combustion and Flame, 2019, 199, 309-323.	5.2	26
32	Assessment of experimental observables for local extinction through unsteady laminar flame calculations. Combustion and Flame, 2019, 207, 196-204.	5.2	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.	5.2	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.	2.6	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.	3.9	20
43	Ignition of uniform droplet-laden weakly turbulent flows following a laser spark. Combustion and Flame, 2019, 199, 387-400.	5.2	22
44	A LES-CMC formulation for premixed flames including differential diffusion. Combustion Theory and Modelling, 2018, 22, 411-431.	1.9	14
45	Measurements in swirling spray flames at blow-off. International Journal of Spray and Combustion Dynamics, 2018, 10, 185-210.	1.0	28
46	Stabilisation of swirling dual-fuel flames. Experimental Thermal and Fluid Science, 2018, 95, 65-72.	2.7	17
47	Dynamics of acoustically forced non-premixed flames close to blow-off. Experimental Thermal and Fluid Science, 2018, 95, 81-87.	2.7	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.	2.3	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, .	1.1	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, .	1.1	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.	2.6	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.	6.4	22
56	Pre-chamber ignition mechanism: Experiments and simulations on turbulent jet flame structure. Fuel, 2018, 230, 274-281.	6.4	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.	3.9	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.	2.3	22
64	Experimental investigation on spark ignition of annular premixed combustors. Combustion and Flame, 2017, 178, 148-157.	5.2	52
65	Numerical Investigation of the Stochastic Behavior of Light-Round in Annular Non-Premixed Combustors. Combustion Science and Technology, 2017, 189, 1467-1485.	2.3	23
66	Experimental investigation of turbulent flames in uniform dispersions of ethanol droplets. Combustion and Flame, 2017, 179, 95-116.	5.2	13
67	Experimental and numerical investigation of an ultra-low NO x 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.	5.2	16
71	Forced ignition of turbulent spray flames. Proceedings of the Combustion Institute, 2017, 36, 2367-2383.	3.9	109
72	Experimental and Numerical Investigation into the Propagation of Entropy Waves. AIAA Journal, 2017, 55, 446-458.	2.6	54

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73	Azimuthally forced flames in an annular combustor. Proceedings of the Combustion Institute, 2017, 36, 3783-3790.	3.9	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.	3.9	71
75	Visualisation of turbulent swirling dual-fuel flames. Proceedings of the Combustion Institute, 2017, 36, 1721-1727.	3.9	19
76	Modelling of Spray Flames with Doubly Conditional Moment Closure. Flow, Turbulence and Combustion, 2017, 99, 933-954.	2.6	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.	2.6	47
78	Simulations and experiments on the ignition probability in turbulent premixed bluff-body flames. Combustion Theory and Modelling, 2016, 20, 548-565.	1.9	34
79	Statistical Analysis of Turbulent Flame-Droplet Interaction: A Direct Numerical Simulation Study. Flow, Turbulence and Combustion, 2016, 96, 573-607.	2.6	38
80	Simulations of laminar non-premixed flames of kerosene with hot combustion products as oxidiser. Combustion Theory and Modelling, 2016, 20, 958-973.	1.9	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.	2.6	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.	2.6	12
84	Direct Numerical Simulations of Dual-Fuel Non-Premixed Autoignition. Combustion Science and Technology, 2016, 188, 542-555.	2.3	12
85	Heat Release Imaging in Turbulent Premixed Ethylene-Air Flames Near Blow-off. Flow, Turbulence and Combustion, 2016, 96, 1039-1051.	2.6	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.	5.2	36
87	Regimes of Nonpremixed Combustion of Hot Low-Calorific-Value Gases Derived from Biomass Gasification. Energy & Fuels, 2016, 30, 4386-4397.	5.1	21
88	Direct Numerical Simulations of premixed methane flame initiation by pilot n-heptane spray autoignition. Combustion and Flame, 2016, 163, 122-137.	5.2	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.	5.2	28
92	Spark ignition of a turbulent shear-less fuelâ€“air mixing layer. Fuel, 2016, 164, 297-304.	6.4	25
93	Spark ignition of annular non-premixed combustors. Experimental Thermal and Fluid Science, 2016, 73, 64-70.	2.7	46
94	Conditional moment closure for two-phase flows â€“ 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.	3.9	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.	5.2	31
97	H₂/air autoignition: The nature and interaction of the developing explosive modes. Combustion Theory and Modelling, 2015, 19, 382-433.	1.9	46
98	Chaos in an imperfectly premixed model combustor. Chaos, 2015, 25, 023101.	2.5	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 LESâ€“CMC. Proceedings of the Combustion Institute, 2015, 35, 1207-1214.	3.9	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.	3.9	50
102	Visualization of MILD combustion from jets in cross-flow. Proceedings of the Combustion Institute, 2015, 35, 3537-3545.	3.9	61
103	Heat release imaging in turbulent premixed methaneâ€“air flames close to blow-off. Proceedings of the Combustion Institute, 2015, 35, 1443-1450.	3.9	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.	2.3	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 turbulenceâ€“chemistry interaction forn-heptane spray combustion under diesel engine conditions with emphasis on soot formation and oxidation. Combustion Theory and Modelling, 2014, 18, 330-360.	1.9	55
108	LES/CMC of Blow-off in a Liquid Fueled Swirl Burner. Flow, Turbulence and Combustion, 2014, 92, 237-267.	2.6	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.	3.8	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.	2.6	129
112	Numerical simulation of thermal and reaction waves for in situ combustion in hydrocarbon reservoirs. Fuel, 2013, 108, 780-792.	6.4	18
113	Complex chemistry DNS of n-heptane spray autoignition at high pressure and intermediate temperature conditions. Combustion and Flame, 2013, 160, 1254-1275.	5.2	97
114	Investigation of the â€œTECFLAMâ€•Non-premixed Flame Using Large Eddy Simulation and Proper Orthogonal Decomposition. Flow, Turbulence and Combustion, 2013, 90, 219-241.	2.6	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.	2.6	18
116	Soot Formation Modeling ofn-Heptane Sprays Under Diesel Engine Conditions Using the Conditional Moment Closure Approach. Combustion Science and Technology, 2013, 185, 766-793.	2.3	73
117	Sensitivity analysis of LESâ€“CMC predictions of piloted jet flames. International Journal of Heat and Fluid Flow, 2013, 39, 53-63.	2.4	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.	1.0	1
123	Autoignition of monodisperse biodiesel and diesel sprays in turbulent flows. Experimental Thermal and Fluid Science, 2012, 43, 40-46.	2.7	8
124	Structure of igniting ethanol and n-heptane spray flames with and without swirl. Experimental Thermal and Fluid Science, 2012, 43, 47-54.	2.7	33
125	Measurements in turbulent premixed bluff body flames close to blow-off. Combustion and Flame, 2012, 159, 2589-2607.	5.2	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. Combustion and Flame, 2012, 159, 641-664.	5.2	58
128	Spark ignition of turbulent recirculating non-premixed gas and spray flames: A model for predicting ignition probability. Combustion and Flame, 2012, 159, 1503-1522.	5.2	78
129	Conditional Moment Closure/Large Eddy Simulation of the Delft-III Natural Gas Non-premixed Jet Flame. Flow, Turbulence and Combustion, 2012, 88, 207-231.	2.6	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. Combustion Theory and Modelling, 2011, 15, 725-752.	1.9	74
132	Turbulent Combustion: Concepts, Governing Equations and Modeling Strategies. Fluid Mechanics and Its Applications, 2011, , 19-39.	0.2	8
133	The Conditional Moment Closure Model. Fluid Mechanics and Its Applications, 2011, , 91-117.	0.2	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. Flow, Turbulence and Combustion, 2011, 86, 585-608.	2.6	47
137	Simulation of Hydrogen Auto-Ignition in a Turbulent Co-flow of Heated Air with LES and CMC Approach. Flow, Turbulence and Combustion, 2011, 86, 689-710.	2.6	27
138	Complex chemistry simulations of spark ignition in turbulent sprays. Proceedings of the Combustion Institute, 2011, 33, 2135-2142.	3.9	46
139	Syngas production from liquid fuels in a non-catalytic porous burner. Fuel, 2011, 90, 64-76.	6.4	35
140	Visualization of blow-off events in bluff-body stabilized turbulent premixed flames. Proceedings of the Combustion Institute, 2011, 33, 1559-1566.	3.9	81
141	Capturing localised extinction in Sandia Flame F with LESâ€“CMC. Proceedings of the Combustion Institute, 2011, 33, 1673-1680.	3.9	85
142	A forced ignition probability analysis method using LES and Lagrangian particle monitoring. Proceedings of the Combustion Institute, 2011, 33, 2919-2925.	3.9	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. Combustion Science and Technology, 2010, 182, 1747-1781.	2.3	13

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145	Experiments and Simulations of n-Heptane Spray Auto-Ignition in a Closed Combustion Chamber at Diesel Engine Conditions. Flow, Turbulence and Combustion, 2010, 84, 49-78.	2.6	68
146	Implementation Issues of the Conditional Moment Closure Model in Large Eddy Simulations. Flow, Turbulence and Combustion, 2010, 84, 481-512.	2.6	62
147	Effects of Fuel Lewis Number on Localised Forced Ignition of Turbulent Mixing Layers. Flow, Turbulence and Combustion, 2010, 84, 125-166.	2.6	15
148	Experiments and Large-Eddy Simulations of acoustically forced bluff-body flows. International Journal of Heat and Fluid Flow, 2010, 31, 754-766.	2.4	18
149	Rich n-heptane and diesel combustion in porous media. Experimental Thermal and Fluid Science, 2010, 34, 359-365.	2.7	21
150	Comparison of electrical and laser spark emission spectroscopy for fuel concentration measurements. Experimental Thermal and Fluid Science, 2010, 34, 338-345.	2.7	27
151	DNS of spark ignition and edge flame propagation in turbulent droplet-laden mixing layers. Combustion and Flame, 2010, 157, 1071-1086.	5.2	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. Combustion Science and Technology, 2010, 182, 1360-1368.	2.3	24
156	LES/CMC of Forced Ignition of a Bluff-Body Stabilised Non-premixed Methane Flame. ERCOFTAC Series, 2010, , 361-366.	0.1	0
157	Simulations of the dispersion of reactive pollutants in a street canyon, considering different chemical mechanisms and micromixing. Atmospheric Environment, 2009, 43, 4670-4680.	4.1	48
158	Second-Order Conditional Moment Closure Simulations of Autoignition of an n-heptane Plume in a Turbulent Coflow of Heated Air. Flow, Turbulence and Combustion, 2009, 82, 455-475.	2.6	23
159	Ignition of turbulent non-premixed flames. Progress in Energy and Combustion Science, 2009, 35, 57-97.	31.2	576
160	The effects of the Lewis number of the fuel on the displacement speed of edge flames in igniting turbulent mixing layers. Proceedings of the Combustion Institute, 2009, 32, 1399-1407.	3.9	25
161	Direct numerical simulations of turbulent flame expansion in fine sprays. Proceedings of the Combustion Institute, 2009, 32, 2283-2290.	3.9	71
162	Direct numerical simulations of autoignition in turbulent two-phase flows. Proceedings of the Combustion Institute, 2009, 32, 2275-2282.	3.9	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.	3.9	45
164	Ignition of turbulent swirling n-heptane spray flames using single and multiple sparks. Combustion and Flame, 2009, 156, 166-180.	5.2	116
165	Investigations on the self-excited oscillations in a kerosene spray flame. Combustion and Flame, 2009, 156, 374-384.	5.2	58
166	Simulations of laminar flame propagation in droplet mists. Combustion and Flame, 2009, 156, 1627-1640.	5.2	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.	5.2	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] Ã— [CH₂O] and its role in autoignition. Combustion Theory and Modelling, 2009, 13, 645-670.	1.9	67
170	Spark ignition of turbulent non-premixed flames: experiments and simulations. AIP Conference Proceedings, 2009, , .	0.4	3
171	Aerosol nucleation and growth in a turbulent jet using the Stochastic Fields method. Chemical Engineering Science, 2008, 63, 4078-4089.	3.8	33
172	Simultaneous Rayleigh temperature, OH- and CH2O-LIF imaging of methane jets in a vitiated coflow. Combustion and Flame, 2008, 155, 181-195.	5.2	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.	2.6	60
174	Measurements of the Statistical Distribution of the Scalar Dissipation Rate in Turbulent Axisymmetric Plumes. Flow, Turbulence and Combustion, 2008, 81, 221-234.	2.6	20
175	Non-linear Response of Turbulent Premixed Flames to Imposed Inlet Velocity Oscillations of Two Frequencies. Flow, Turbulence and Combustion, 2008, 80, 455.	2.6	35
176	Simulation of the evolution of aircraft exhaust plumes including detailed chemistry and segregation. Journal of Geophysical Research, 2008, 113, .	3.3	11
177	Flame Propagation Following the Autoignition of Axisymmetric Hydrogen, Acetylene, and Normal-Heptane Plumes in Turbulent Coflows of Hot Air. Journal of Engineering for Gas Turbines and Power, 2008, 130, .	1.1	16
178	Transported scalar PDF calculations of autoignition of a hydrogen jet in a heated turbulent co-flow. Combustion Theory and Modelling, 2008, 12, 1153-1178.	1.9	16
179	Diesel Engine Simulations with Multi-Dimensional Conditional Moment Closure. Combustion Science and Technology, 2008, 180, 883-899.	2.3	69
180	Planar Laser Diagnostics at High Repetition Rates: Acquisition and Analysis of Transient Combustion Processes. , 2008, , .		2

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181	Numerical simulations of homogeneous charge compression ignition engines with high levels of residual gas. International Journal of Engine Research, 2007, 8, 63-78.	2.3	6
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