Haiyan Miao

List of Publications by Year
in descending order

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45 papers	2,783 citations	201674 27 h-index	265206 42 g-index
46 all docs	46 docs citations	46 times ranked	1762 citing authors

#	Article	IF	Citations
1	Combustion and emissions of a DI diesel engine fuelled with diesel-oxygenate blends. Fuel, 2008, 87, 2691-2697.	6.4	293
2	Numerical study of the effect of hydrogen addition on methaneâ€“air mixtures combustion. International Journal of Hydrogen Energy, 2009, 34, 1084-1096.	7.1	224
3	Combustion behaviors of a direct-injection engine operating on various fractions of natural gasâ€“hydrogen blends. International Journal of Hydrogen Energy, 2007, 32, 3555-3564.	7.1	200
4	Experimental and numerical study on laminar burning velocities and flame instabilities of hydrogenâ€“air mixtures at elevated pressures and temperatures. International Journal of Hydrogen Energy, 2009, 34, 8741-8755.	7.1	171
5	Laminar burning velocities and combustion characteristics of propaneâ€“hydrogenâ€“air premixed flames. International Journal of Hydrogen Energy, 2008, 33, 4906-4914.	7.1	158
6	Explosion characteristics of hydrogenâ€“nitrogenâ€“air mixtures at elevated pressures and temperatures. International Journal of Hydrogen Energy, 2009, 34, 554-561.	7.1	133
7	Measurements of laminar burning velocities and onset of cellular instabilities of methaneâ€“hydrogenâ€“air flames at elevated pressures and temperatures. International Journal of Hydrogen Energy, 2009, 34, 5574-5584.	7.1	127
8	Experimental Study on Engine Performance and Emissions for an Engine Fueled with Natural Gasâˆ’Hydrogen Mixtures. Energy & Fuels, 2006, 20, 2131-2136.	5.1	102
9	Measurements of laminar burning velocities and Markstein lengths for methanolâ€“airâ€“nitrogen mixtures at elevated pressures and temperatures. Combustion and Flame, 2008, 155, 358-368.	5.2	94
10	Experimental and numerical study on lean premixed methaneâ€“hydrogenâ€“air flames at elevated pressures and temperatures. International Journal of Hydrogen Energy, 2009, 34, 6951-6960.	7.1	93
11	Flammability limits of hydrogen-enriched natural gas. International Journal of Hydrogen Energy, 2011, 36, 6937-6947.	7.1	84
12	Measurements of laminar burning velocities and Markstein lengths of propaneâ€“hydrogenâ€“air mixtures at elevated pressures and temperatures. International Journal of Hydrogen Energy, 2008, 33, 7274-7285.	7.1	83
13	Measurement of laminar burning velocity of dimethyl etherâ€“air premixed mixtures. Fuel, 2007, 86, 2360-2366.	6.4	82
14	Effect of partially premixed and hydrogen addition on natural gas direct-injection lean combustion. International Journal of Hydrogen Energy, 2009, 34, 9239-9247.	7.1	69
15	Effect of dimethoxy-methane and exhaust gas recirculation on combustion and emission characteristics of a direct injection diesel engine. Fuel, 2011, 90, 1731-1737.	6.4	62
16	Experimental Study on Emissions of a Spark-Ignition Engine Fueled with Natural Gasâˆ’Hydrogen Blends. Energy & Fuels, 2008, 22, 273-277.	5.1	60
17	Performance and Emission Characteristics of Diesel Engines Fueled with Dieselâˆ’Dimethoxymethane (DMM) Blends. Energy & Fuels, 2009, 23, 286-293.	5.1	52
18	Effect of initial pressure on laminar combustion characteristics of hydrogen enriched natural gas. International Journal of Hydrogen Energy, 2008, 33, 3876-3885.	7.1	50

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19	Effects of fuel constituents and injection timing on combustion and emission characteristics of a compression-ignition engine fueled with diesel-DMM blends. Proceedings of the Combustion Institute, 2013, 34, 3013-3020.	3.9	49
20	Measurement of Laminar Burning Velocities of Dimethyl Etherâ"Air Premixed Mixtures with N₂ and CO₂ Dilution. Energy & Fuels, 2009, 23, 735-739.	5.1	46
21	Combustion Characteristics and Heat Release Analysis of a Spark-Ignited Engine Fueled with Natural Gasâ"Hydrogen Blends. Energy & Fuels, 2007, 21, 2594-2599.	5.1	44
22	Characteristics of direct injection combustion fuelled by natural gasâ€"hydrogen mixtures using a constant volume vessel. International Journal of Hydrogen Energy, 2008, 33, 1947-1956.	7.1	44
23	Combustion characteristics of methanolâ€"air and methanolâ€"airâ€"diluent premixed mixtures at elevated temperatures and pressures. Applied Thermal Engineering, 2009, 29, 2680-2688.	6.0	41
24	Effects of N₂ Dilution on Laminar Burning Characteristics of Propaneâ"Air Premixed Flames. Energy & Fuels, 2009, 23, 151-156.	5.1	40
25	Laminar burning velocity and Markstein length of nitrogen diluted natural gas/hydrogen/air mixtures at normal, reduced and elevated pressures. International Journal of Hydrogen Energy, 2009, 34, 3145-3155.	7.1	38
26	Optimal sensor placement and measurement of wind for water quality studies in urban reservoirs. , 2014, , .		38
27	Sensor Placement and Measurement of Wind for Water Quality Studies in Urban Reservoirs. ACM Transactions on Sensor Networks, 2015, 11, 1-27.	3.6	33
28	Effect of the Addition of Diglyme in Diesel Fuel on Combustion and Emissions in a Compressionâ"Ignition Engine. Energy & Fuels, 2007, 21, 2573-2583.	5.1	31
29	Genetic Algorithms Optimization of Diesel Engine Emissions and Fuel Efficiency with Air Swirl, EGR,Injection Timing and Multiple Injections. , 2003, , .		25
30	Study on Flame Propagation Characteristics of Natural Gasâ"Hydrogenâ"Air Mixtures. Energy & Fuels, 2006, 20, 2385-2390.	5.1	25
31	Combustion and Emission Characteristics of a Direct-Injection Diesel Engine Fueled with Dieselâ"Diethyl Adipate Blends. Energy & Fuels, 2007, 21, 1474-1482.	5.1	22
32	The effects of multiple query evidences on social image retrieval. Multimedia Systems, 2016, 22, 509-523.	4.7	20
33	Effects of Fuel Injection Timing on Combustion and Emission Characteristics of a Diesel Engine Fueled with Dieselâ"Propane Blends. Energy & Fuels, 2007, 21, 1504-1510.	5.1	19
34	Measurement of laminar burning velocities and analysis of flame stabilities for hydrogen-air-diluent premixed mixtures. Science Bulletin, 2009, 54, 846-857.	9.0	19
35	Experimental Study on Premixed Combustion of Dimethyl Etherâ€"Hydrogenâ€"Air Mixtures. Energy & Fuels, 2008, 22, 967-971.	5.1	16
36	Measuring the laminar burning velocity and Markstein length of premixed methane/nitrogen/air mixtures with the consideration of nonlinear stretch effects. Fuel, 2014, 121, 208-215.	6.4	16

#	Article	IF	Citations
37	Flame Propagation Speed of CO₂Diluted Hydrogen-Enriched Natural Gas and Air Mixtures. Energy & Fuels, 2009, 23, 4957-4965.	5.1	14
38	Combustion and emission characteristics of a diesel engine fuelled with dieselâ€“propane blends. Fuel, 2008, 87, 1711-1717.	6.4	13
39	NUMERICAL SIMULATION OF THE GAS/DIESEL DUAL-FUEL ENGINE IN-CYLINDER COMBUSTION PROCESS. Numerical Heat Transfer; Part A: Applications, 2005, 47, 523-547.	2.1	11
40	Study on Dimethyl Etherâ^'Air Premixed Mixture Combustion with a Constant Volume Vessel. Energy & Fuels, 2007, 21, 2013-2017.	5.1	11
41	Wind Shielding Impacts on Water Quality in an Urban Reservoir. Water Resources Management, 2018, 32, 3549-3561.	3.9	10
42	Premixed Combustion of Diluted Hydrogenâ^'Air Mixtures in a Constant Volume Bomb. Energy & Fuels, 2009, 23, 1431-1436.	5.1	3
43	Experimental study on premixed combustion of spherically propagating methanol-air-nitrogen flames. Frontiers of Energy and Power Engineering in China, 2010, 4, 223-233.	0.4	2
44	The effects of heterogeneous information combination on large scale social image search. , 2011, , .		1
45	CT2-4: Experimental Study on Premixed Combustion of Dimethyl Ether-Hydrogen-Air Mixtures(CT:) Tj ETQq1 1 0.784314 rgBT /Overlo Symposium on Diagnostics and Modeling of Combustion in Internal Combustion Engines, 2008, 2008.7, 511-518.	0.1	0