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	Wind Shielding Impacts on Water Quality in an Urban Reservoir. Water Resources Management, 2018, 32, 3549-3561.	3.9	10
2	The effects of multiple query evidences on social image retrieval. Multimedia Systems, 2016, 22, 509-523.	4.7	20
3	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
4	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
5	Optimal sensor placement and measurement of wind for water quality studies in urban reservoirs. , 2014, , .		38
6	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
7	The effects of heterogeneous information combination on large scale social image search. , 2011, , .		1
8	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
9	Flammability limits of hydrogen-enriched natural gas. International Journal of Hydrogen Energy, 2011, 36, 6937-6947.	7.1	84
10	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
11	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
12	Explosion characteristics of hydrogenâ€“nitrogenâ€“air mixtures at elevated pressures and temperatures. International Journal of Hydrogen Energy, 2009, 34, 554-561.	7.1	133
13	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
14	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
15	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
16	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
17	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
18	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

#	Article	IF	Citations
19	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
20	Premixed Combustion of Diluted Hydrogenâ^'Air Mixtures in a Constant Volume Bomb. Energy & Fuels, 2009, 23, 1431-1436.	5.1	3
21	Performance and Emission Characteristics of Diesel Engines Fueled with Dieselâ^'Dimethoxymethane (DMM) Blends. Energy & Fuels, 2009, 23, 286-293.	5.1	52
22	Effects of N₂ Dilution on Laminar Burning Characteristics of Propaneâ^'Air Premixed Flames. Energy & Fuels, 2009, 23, 151-156.	5.1	40
23	Flame Propagation Speed of CO₂Diluted Hydrogen-Enriched Natural Gas and Air Mixtures. Energy & Fuels, 2009, 23, 4957-4965.	5.1	14
24	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
25	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
26	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
27	Combustion and emission characteristics of a diesel engine fuelled with dieselâ€“propane blends. Fuel, 2008, 87, 1711-1717.	6.4	13
28	Combustion and emissions of a DI diesel engine fuelled with diesel-oxygenate blends. Fuel, 2008, 87, 2691-2697.	6.4	293
29	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
30	Laminar burning velocities and combustion characteristics of propaneâ€“hydrogenâ€“air premixed flames. International Journal of Hydrogen Energy, 2008, 33, 4906-4914.	7.1	158
31	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
32	Experimental Study on Emissions of a Spark-Ignition Engine Fueled with Natural Gasâ^'Hydrogen Blends. Energy & Fuels, 2008, 22, 273-277.	5.1	60
33	Experimental Study on Premixed Combustion of Dimethyl Etherâ€“Hydrogenâ€“Air Mixtures. Energy & Fuels, 2008, 22, 967-971.	5.1	16
34	CT2-4: Experimental Study on Premixed Combustion of Dimethyl Ether-Hydrogen-Air Mixtures(CT:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Symposium on Diagnostics and Modeling of Combustion in Internal Combustion Engines, 2008, 2008.7, 511-518.	0.1	0
35	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
36	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

#	Article	IF	Citations
37	Study on Dimethyl Etherâ^'Air Premixed Mixture Combustion with a Constant Volume Vessel. Energy & Fuels, 2007, 21, 2013-2017.	5.1	11
38	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
39	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
40	Measurement of laminar burning velocity of dimethyl etherâ€“air premixed mixtures. Fuel, 2007, 86, 2360-2366.	6.4	82
41	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
42	Study on Flame Propagation Characteristics of Natural Gasâ^'Hydrogenâ^'Air Mixtures. Energy & Fuels, 2006, 20, 2385-2390.	5.1	25
43	Experimental Study on Engine Performance and Emissions for an Engine Fueled with Natural Gasâ^'Hydrogen Mixtures. Energy & Fuels, 2006, 20, 2131-2136.	5.1	102
44	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
45	Genetic Algorithms Optimization of Diesel Engine Emissions and Fuel Efficiency with Air Swirl, EGR,Injection Timing and Multiple Injections. , 2003, , .		25