Haiyan Miao

List of Publications by Citations

46 papers	2,283 citations	26 h-index	46 g-index
46 ext. papers	2,523 ext. citations	5.3 avg, IF	4.48 L-index

#	Paper	IF	Citations
46	Combustion and emissions of a DI diesel engine fuelled with diesel-oxygenate blends. *Fuel*, **2008**, 87, 2691-2697	7.1	256
45	Numerical study of the effect of hydrogen addition on methane–air mixtures combustion. *International Journal of Hydrogen Energy*, **2009**, 34, 1084-1096	6.7	177
44	Combustion behaviors of a direct-injection engine operating on various fractions of natural gas–hydrogen blends. *International Journal of Hydrogen Energy*, **2007**, 32, 3555-3564	6.7	171
43	Laminar burning velocities and combustion characteristics of propane–hydrogen–air premixed flames. *International Journal of Hydrogen Energy*, **2008**, 33, 4906-4914	6.7	130
42	Experimental and numerical study on laminar burning velocities and flame instabilities of hydrogen–air mixtures at elevated pressures and temperatures. *International Journal of Hydrogen Energy*, **2009**, 34, 8741-8755	6.7	125
41	Measurements of laminar burning velocities and onset of cellular instabilities of methane–hydrogen–air flames at elevated pressures and temperatures. *International Journal of Hydrogen Energy*, **2009**, 34, 5574-5584	6.7	102
40	Explosion characteristics of hydrogen–nitrogen–air mixtures at elevated pressures and temperatures. *International Journal of Hydrogen Energy*, **2009**, 34, 554-561	6.7	90
39	Experimental Study on Engine Performance and Emissions for an Engine Fueled with Natural Gas–Hydrogen Mixtures. *Energy & Fuels*, **2006**, 20, 2131-2136	4.1	87
38	Measurements of laminar burning velocities and Markstein lengths for methanol–air–nitrogen mixtures at elevated pressures and temperatures. *Combustion and Flame*, **2008**, 155, 358-368	5.3	84
37	Experimental and numerical study on lean premixed methane–hydrogen–air flames at elevated pressures and temperatures. *International Journal of Hydrogen Energy*, **2009**, 34, 6951-6960	6.7	81
36	Measurement of laminar burning velocity of dimethyl ether–air premixed mixtures. *Fuel*, **2007**, 86, 2360-2366	7.1	76
35	Measurements of laminar burning velocities and Markstein lengths of propane–hydrogen–air mixtures at elevated pressures and temperatures. *International Journal of Hydrogen Energy*, **2008**, 33, 7274-7285	6.7	68
34	Effect of partially premixed and hydrogen addition on natural gas direct-injection lean combustion. *International Journal of Hydrogen Energy*, **2009**, 34, 9239-9247	6.7	59
33	Flammability limits of hydrogen-enriched natural gas. *International Journal of Hydrogen Energy*, **2011**, 36, 6937-6947	6.7	59
32	Effect of dimethoxy-methane and exhaust gas recirculation on combustion and emission characteristics of a direct injection diesel engine. *Fuel*, **2011**, 90, 1731-1737	7.1	55
31	Experimental Study on Emissions of a Spark-Ignition Engine Fueled with Natural Gas–Hydrogen Blends. *Energy & Fuels*, **2008**, 22, 273-277	4.1	52
30	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	5.9	44

29	Effect of initial pressure on laminar combustion characteristics of hydrogen enriched natural gas. *International Journal of Hydrogen Energy*, **2008**, 33, 3876-3885	6.7	44
28	Performance and Emission Characteristics of Diesel Engines Fueled with Diesel□Dimethoxymethane (DMM) Blends. *Energy & Fuels*, **2009**, 23, 286-293	4.1	43
27	Measurement of Laminar Burning Velocities of Dimethyl Ether□Air Premixed Mixtures with N2 and CO2 Dilution. *Energy & Fuels*, **2009**, 23, 735-739	4.1	41
26	Combustion characteristics of methanol□air and methanol□air□diluent premixed mixtures at elevated temperatures and pressures. *Applied Thermal Engineering*, **2009**, 29, 2680-2688	5.8	38
25	Combustion Characteristics and Heat Release Analysis of a Spark-Ignited Engine Fueled with Natural Gas□Hydrogen Blends. *Energy & Fuels*, **2007**, 21, 2594-2599	4.1	38
24	Effects of N2 Dilution on Laminar Burning Characteristics of Propane□Air Premixed Flames. *Energy & Fuels*, **2009**, 23, 151-156	4.1	37
23	Characteristics of direct injection combustion fuelled by natural gas□hydrogen mixtures using a constant volume vessel. *International Journal of Hydrogen Energy*, **2008**, 33, 1947-1956	6.7	34
22	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	6.7	31
21	Effect of the Addition of Diglyme in Diesel Fuel on Combustion and Emissions in a Compression□Ignition Engine. *Energy & Fuels*, **2007**, 21, 2573-2583	4.1	27
20	Sensor Placement and Measurement of Wind for Water Quality Studies in Urban Reservoirs. *ACM Transactions on Sensor Networks*, **2015**, 11, 1-27	2.9	23
19	Optimal sensor placement and measurement of wind for water quality studies in urban reservoirs **2014**,		22
18	Study on Flame Propagation Characteristics of Natural Gas□Hydrogen□Air Mixtures. *Energy & Fuels*, **2006**, 20, 2385-2390	4.1	20
17	Genetic Algorithms Optimization of Diesel Engine Emissions and Fuel Efficiency with Air Swirl, EGR,Injection Timing and Multiple Injections **2003**,		18
16	Effects of Fuel Injection Timing on Combustion and Emission Characteristics of a Diesel Engine Fueled with Diesel□Propane Blends. *Energy & Fuels*, **2007**, 21, 1504-1510	4.1	17
15	Combustion and Emission Characteristics of a Direct-Injection Diesel Engine Fueled with Diesel□Diethyl Adipate Blends. *Energy & Fuels*, **2007**, 21, 1474-1482	4.1	16
14	The effects of multiple query evidences on social image retrieval. *Multimedia Systems*, **2016**, 22, 509-523	2.2	15
13	Experimental Study on Premixed Combustion of Dimethyl Ether□Hydrogen□Air Mixtures. *Energy & Fuels*, **2008**, 22, 967-971	4.1	15
12	Building a Large Scale Test Collection for Effective Benchmarking of Mobile Landmark Search. *Lecture Notes in Computer Science*, **2013**, 36-46	0.9	15

11	Flame Propagation Speed of CO2 Diluted Hydrogen-Enriched Natural Gas and Air Mixtures. *Energy & Fuels*, **2009**, 23, 4957-4965	4.1	12
10	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	7.1	11
9	Study on Dimethyl Ether–Air Premixed Mixture Combustion with a Constant Volume Vessel. *Energy & Fuels*, **2007**, 21, 2013-2017	4.1	10
8	Combustion and emission characteristics of a diesel engine fuelled with diesel–propane blends. *Fuel*, **2008**, 87, 1711-1717	7.1	10
7	NUMERICAL SIMULATION OF THE GAS/DIESEL DUAL-FUEL ENGINE IN-CYLINDER COMBUSTION PROCESS. *Numerical Heat Transfer; Part A: Applications*, **2005**, 47, 523-547	2.3	10
6	Measurement of laminar burning velocities and analysis of flame stabilities for hydrogen-air-diluent premixed mixtures. *Science Bulletin*, **2009**, 54, 846-857	10.6	9
5	Wind Shielding Impacts on Water Quality in an Urban Reservoir. *Water Resources Management*, **2018**, 32, 3549-3561	3.7	5
4	Premixed Combustion of Diluted Hydrogen–Air Mixtures in a Constant Volume Bomb. *Energy & Fuels*, **2009**, 23, 1431-1436	4.1	3
3	Experimental study on premixed combustion of spherically propagating methanol-air-nitrogen flames. *Frontiers of Energy and Power Engineering in China*, **2010**, 4, 223-233		2
2	The effects of heterogeneous information combination on large scale social image search **2011**,		1
1	CT2-4: Experimental Study on Premixed Combustion of Dimethyl Ether-Hydrogen-Air Mixtures(CT: Combustion, Thermal and Fluid Science,General Session Papers). *The Proceedings of the International Symposium on Diagnostics and Modeling of Combustion in Internal Combustion Engines*, **2008**, 2008.7, 511-518		