

# Haiyan Miao

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Wind Shielding Impacts on Water Quality in an Urban Reservoir. <i>Water Resources Management</i> , <b>2018</b> , 32, 3549-3561	3.7	5
45	The effects of multiple query evidences on social image retrieval. <i>Multimedia Systems</i> , <b>2016</b> , 22, 509-523	2.2	15
44	Sensor Placement and Measurement of Wind for Water Quality Studies in Urban Reservoirs. <i>ACM Transactions on Sensor Networks</i> , <b>2015</b> , 11, 1-27	2.9	23
43	Measuring the laminar burning velocity and Markstein length of premixed methane/nitrogen/air mixtures with the consideration of nonlinear stretch effects. <i>Fuel</i> , <b>2014</b> , 121, 208-215	7.1	11
42	Optimal sensor placement and measurement of wind for water quality studies in urban reservoirs <b>2014</b> ,		22
41	Effects of fuel constituents and injection timing on combustion and emission characteristics of a compression-ignition engine fueled with diesel-DMM blends. <i>Proceedings of the Combustion Institute</i> , <b>2013</b> , 34, 3013-3020	5.9	44
40	Building a Large Scale Test Collection for Effective Benchmarking of Mobile Landmark Search. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 36-46	0.9	15
39	The effects of heterogeneous information combination on large scale social image search <b>2011</b> ,		1
38	Effect of dimethoxy-methane and exhaust gas recirculation on combustion and emission characteristics of a direct injection diesel engine. <i>Fuel</i> , <b>2011</b> , 90, 1731-1737	7.1	55
37	Flammability limits of hydrogen-enriched natural gas. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 6937-6947	6.7	59
36	Experimental study on premixed combustion of spherically propagating methanol-air-nitrogen flames. <i>Frontiers of Energy and Power Engineering in China</i> , <b>2010</b> , 4, 223-233		2
35	Measurement of laminar burning velocities and analysis of flame stabilities for hydrogen-air-diluent premixed mixtures. <i>Science Bulletin</i> , <b>2009</b> , 54, 846-857	10.6	9
34	Explosion characteristics of hydrogen-nitrogen-air mixtures at elevated pressures and temperatures. <i>International Journal of Hydrogen Energy</i> , <b>2009</b> , 34, 554-561	6.7	90
33	Numerical study of the effect of hydrogen addition on methane-air mixtures combustion. <i>International Journal of Hydrogen Energy</i> , <b>2009</b> , 34, 1084-1096	6.7	177
32	Laminar burning velocity and Markstein length of nitrogen diluted natural gas/hydrogen/air mixtures at normal, reduced and elevated pressures. <i>International Journal of Hydrogen Energy</i> , <b>2009</b> , 34, 3145-3155	6.7	31
31	Measurements of laminar burning velocities and onset of cellular instabilities of methane-hydrogen-air flames at elevated pressures and temperatures. <i>International Journal of Hydrogen Energy</i> , <b>2009</b> , 34, 5574-5584	6.7	102
30	Experimental and numerical study on lean premixed methane-hydrogen-air flames at elevated pressures and temperatures. <i>International Journal of Hydrogen Energy</i> , <b>2009</b> , 34, 6951-6960	6.7	81

29	Experimental and numerical study on laminar burning velocities and flame instabilities of hydrogen-air mixtures at elevated pressures and temperatures. <i>International Journal of Hydrogen Energy</i> , <b>2009</b> , 34, 8741-8755	6.7	125
28	Effect of partially premixed and hydrogen addition on natural gas direct-injection lean combustion. <i>International Journal of Hydrogen Energy</i> , <b>2009</b> , 34, 9239-9247	6.7	59
27	Combustion characteristics of methanol-air and methanol-air-diluent premixed mixtures at elevated temperatures and pressures. <i>Applied Thermal Engineering</i> , <b>2009</b> , 29, 2680-2688	5.8	38
26	Premixed Combustion of Diluted Hydrogen-Air Mixtures in a Constant Volume Bomb. <i>Energy &amp; Fuels</i> , <b>2009</b> , 23, 1431-1436	4.1	3
25	Performance and Emission Characteristics of Diesel Engines Fueled with Diesel-Dimethoxymethane (DMM) Blends. <i>Energy &amp; Fuels</i> , <b>2009</b> , 23, 286-293	4.1	43
24	Effects of N2 Dilution on Laminar Burning Characteristics of Propane-Air Premixed Flames. <i>Energy &amp; Fuels</i> , <b>2009</b> , 23, 151-156	4.1	37
23	Flame Propagation Speed of CO2 Diluted Hydrogen-Enriched Natural Gas and Air Mixtures. <i>Energy &amp; Fuels</i> , <b>2009</b> , 23, 4957-4965	4.1	12
22	Measurement of Laminar Burning Velocities of Dimethyl Ether-Air Premixed Mixtures with N2 and CO2 Dilution. <i>Energy &amp; Fuels</i> , <b>2009</b> , 23, 735-739	4.1	41
21	Experimental Study on Emissions of a Spark-Ignition Engine Fueled with Natural Gas-Hydrogen Blends. <i>Energy &amp; Fuels</i> , <b>2008</b> , 22, 273-277	4.1	52
20	Experimental Study on Premixed Combustion of Dimethyl Ether-Hydrogen-Air Mixtures. <i>Energy &amp; Fuels</i> , <b>2008</b> , 22, 967-971	4.1	15
19	Measurements of laminar burning velocities and Markstein lengths for methanol-air-nitrogen mixtures at elevated pressures and temperatures. <i>Combustion and Flame</i> , <b>2008</b> , 115, 358-368	5.3	84
18	Characteristics of direct injection combustion fuelled by natural gas-hydrogen mixtures using a constant volume vessel. <i>International Journal of Hydrogen Energy</i> , <b>2008</b> , 33, 1947-1956	6.7	34
17	Combustion and emission characteristics of a diesel engine fuelled with diesel-propane blends. <i>Fuel</i> , <b>2008</b> , 87, 1711-1717	7.1	10
16	Combustion and emissions of a DI diesel engine fuelled with diesel-oxygenate blends. <i>Fuel</i> , <b>2008</b> , 87, 2691-2697	7.1	256
15	Effect of initial pressure on laminar combustion characteristics of hydrogen enriched natural gas. <i>International Journal of Hydrogen Energy</i> , <b>2008</b> , 33, 3876-3885	6.7	44
14	Laminar burning velocities and combustion characteristics of propane-hydrogen-air premixed flames. <i>International Journal of Hydrogen Energy</i> , <b>2008</b> , 33, 4906-4914	6.7	130
13	Measurements of laminar burning velocities and Markstein lengths of propane-hydrogen-air mixtures at elevated pressures and temperatures. <i>International Journal of Hydrogen Energy</i> , <b>2008</b> , 33, 7274-7285	6.7	68
12	CT2-4: Experimental Study on Premixed Combustion of Dimethyl Ether-Hydrogen-Air Mixtures(CT: Combustion, Thermal and Fluid Science,General Session Papers). <i>The Proceedings of the International Symposium on Diagnostics and Modeling of Combustion in Internal Combustion Engines</i> , <b>2008</b> , 2008-7, 511-518		

11	Study on Dimethyl Ether/Air Premixed Mixture Combustion with a Constant Volume Vessel. <i>Energy &amp; Fuels</i> , <b>2007</b> , 21, 2013-2017	4.1	10
10	Effect of the Addition of Diglyme in Diesel Fuel on Combustion and Emissions in a Compression-Ignition Engine. <i>Energy &amp; Fuels</i> , <b>2007</b> , 21, 2573-2583	4.1	27
9	Combustion Characteristics and Heat Release Analysis of a Spark-Ignited Engine Fueled with Natural Gas/Hydrogen Blends. <i>Energy &amp; Fuels</i> , <b>2007</b> , 21, 2594-2599	4.1	38
8	Measurement of laminar burning velocity of dimethyl ether/Air premixed mixtures. <i>Fuel</i> , <b>2007</b> , 86, 2360-2366	4.1	76
7	Combustion behaviors of a direct-injection engine operating on various fractions of natural gas/Hydrogen blends. <i>International Journal of Hydrogen Energy</i> , <b>2007</b> , 32, 3555-3564	6.7	171
6	Combustion and Emission Characteristics of a Direct-Injection Diesel Engine Fueled with Diesel/Diethyl Adipate Blends. <i>Energy &amp; Fuels</i> , <b>2007</b> , 21, 1474-1482	4.1	16
5	Effects of Fuel Injection Timing on Combustion and Emission Characteristics of a Diesel Engine Fueled with Diesel/Propane Blends. <i>Energy &amp; Fuels</i> , <b>2007</b> , 21, 1504-1510	4.1	17
4	Study on Flame Propagation Characteristics of Natural Gas/Hydrogen/Air Mixtures. <i>Energy &amp; Fuels</i> , <b>2006</b> , 20, 2385-2390	4.1	20
3	Experimental Study on Engine Performance and Emissions for an Engine Fueled with Natural Gas/Hydrogen Mixtures. <i>Energy &amp; Fuels</i> , <b>2006</b> , 20, 2131-2136	4.1	87
2	NUMERICAL SIMULATION OF THE GAS/DIESEL DUAL-FUEL ENGINE IN-CYLINDER COMBUSTION PROCESS. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2005</b> , 47, 523-547	2.3	10
1	Genetic Algorithms Optimization of Diesel Engine Emissions and Fuel Efficiency with Air Swirl, EGR, Injection Timing and Multiple Injections <b>2003</b> ,		18