

# Xiumin Yu

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

1,504  
citations

279798

23  
h-index

330143

37  
g-index

60  
all docs

60  
docs citations

60  
times ranked

634  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of hydrogen proportion on lean burn performance of a dual fuel SI engine using hydrogen direct-injection. <i>Fuel</i> , 2016, 186, 792-799.	6.4	100
2	Research on combustion and emission characteristics of a lean burn gasoline engine with hydrogen direct-injection. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 3240-3248.	7.1	75
3	Effect of addition of hydrogen and exhaust gas recirculation on characteristics of hydrogen gasoline engine. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 8288-8298.	7.1	74
4	Research on cycle-by-cycle variations of an SI engine with hydrogen direct injection under lean burn conditions. <i>Applied Thermal Engineering</i> , 2016, 109, 569-581.	6.0	70
5	Effects of hydrogen direct injection strategy on characteristics of lean-burn hydrogen-gasoline engines. <i>Fuel</i> , 2017, 208, 602-611.	6.4	70
6	Experimental study on lean-burn characteristics of an SI engine with hydrogen/gasoline combined injection and EGR. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 13988-13998.	7.1	65
7	A comparative study on effects of homogeneous or stratified hydrogen on combustion and emissions of a gasoline/hydrogen SI engine. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 25974-25984.	7.1	61
8	Effect of spark timing on combustion and emissions of a hydrogen direct injection stratified gasoline engine. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 5619-5626.	7.1	57
9	Effect of gasoline/n-butanol blends on gaseous and particle emissions from an SI direct injection engine. <i>Fuel</i> , 2018, 229, 1-10.	6.4	53
10	Study on cold start characteristics of dual fuel SI engine with hydrogen direct-injection. <i>Applied Thermal Engineering</i> , 2016, 100, 829-839.	6.0	48
11	Investigation of combustion and emissions of an SI engine with ethanol port injection and gasoline direct injection under lean burn conditions. <i>Energy</i> , 2019, 189, 116231.	8.8	44
12	Effects of hydrogen direct injection on combustion and emission characteristics of a hydrogen/Acetone-Butanol-Ethanol dual-fuel spark ignition engine under lean-burn conditions. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 34193-34203.	7.1	43
13	Effects of direct hydrogen injection on particle number emissions from a lean burn gasoline engine. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 18631-18640.	7.1	42
14	Emissions of Formaldehyde and Unburned Methanol from a Spark-Ignition Methanol Engine during Cold Start. <i>Energy &amp; Fuels</i> , 2010, 24, 863-870.	5.1	37
15	Effects of split injection proportion and the second injection timings on the combustion and emissions of a dual fuel SI engine with split hydrogen direct injection. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 11194-11204.	7.1	36
16	Experimental comparative study on combustion and particle emission of n-butanol and gasoline adopting different injection approaches in a spark engine equipped with dual-injection system. <i>Fuel</i> , 2018, 211, 837-849.	6.4	35
17	Effects of hydrogen direct injection on engine stability and optimization of control parameters for a combined injection engine. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 6723-6733.	7.1	34
18	Study on combustion and emission characteristics of a n-butanol engine with hydrogen direct injection under lean burn conditions. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 7550-7561.	7.1	32

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19	Numerical research on effect of hydrogen blending fractions on idling performance of an n-butanol ignition engine with hydrogen direct injection. <i>Fuel</i> , 2019, 258, 116082.	6.4	30
20	Numerical study of formaldehyde and unburned methanol emissions of direct injection spark ignition methanol engine under cold start and steady state operating conditions. <i>Fuel</i> , 2017, 202, 405-413.	6.4	26
21	Comparison study and synthetic evaluation of combined injection in a spark ignition engine with hydrogen-blended at lean burn condition. <i>Energy</i> , 2018, 157, 1053-1062.	8.8	26
22	Experimental study on heat and exergy balance of a dual-fuel combined injection engine with hydrogen and gasoline. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 22301-22315.	7.1	26
23	Study on effects of split injection proportion on hydrogen mixture distribution, combustion and emissions of a gasoline/hydrogen SI engine with split hydrogen direct injection under lean burn condition. <i>Fuel</i> , 2020, 270, 117488.	6.4	26
24	Experimental study on the effects of EGR on combustion and emission of an SI engine with gasoline port injection plus ethanol direct injection. <i>Fuel</i> , 2021, 305, 121421.	6.4	25
25	Study on Combustion and Emission Characteristics of a Combined Injection Engine with Hydrogen Direct Injection. <i>Energy &amp; Fuels</i> , 2017, 31, 5554-5560.	5.1	24
26	Effects of coolant temperature coupled with controlling strategies on particulate number emissions in GDI engine under idle stage. <i>Fuel</i> , 2018, 225, 1-9.	6.4	23
27	Energy and exergy analysis of a combined injection engine using gasoline port injection coupled with gasoline or hydrogen direct injection under lean-burn conditions. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 8253-8268.	7.1	22
28	Study on combustion and emissions of a hydrous ethanol/gasoline dual fuel engine with combined injection. <i>Fuel</i> , 2022, 309, 122004.	6.4	22
29	The effects of EGR and ignition timing on emissions of GDI engine. <i>Science China Technological Sciences</i> , 2013, 56, 3144-3150.	4.0	20
30	Comparative study on effects of injection mode on combustion and emission characteristics of a combined injection n-butanol/gasoline SI engine with hydrogen direct injection. <i>Energy</i> , 2020, 213, 118903.	8.8	20
31	Effect of exhaust gas recirculation and hydrogen direct injection on combustion and emission characteristics of a n-butanol SI engine. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 17961-17974.	7.1	20
32	Numerical study on effects of hydrogen direct injection on hydrogen mixture distribution, combustion and emissions of a gasoline/hydrogen SI engine under lean burn condition. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 2341-2350.	7.1	19
33	Comparative study of different injection modes on combustion and particle emission of acetone-butanol-ethanol (ABE) and gasoline in a dual-injection SI engine. <i>Fuel</i> , 2020, 281, 118786.	6.4	18
34	Improvement of combustion and emission by combined combustion of ethanol premix and gasoline direct injection in SI engine. <i>Fuel</i> , 2021, 292, 120403.	6.4	18
35	Research on the combustion and emissions of an SI engine with acetone-butanol-ethanol (ABE) port injection plus gasoline direct injection. <i>Fuel</i> , 2020, 267, 117311.	6.4	17
36	Experimental study on combustion and emission of an SI engine with ethanol /gasoline combined injection and EGR. <i>Journal of Cleaner Production</i> , 2022, 331, 129903.	9.3	17

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37	Combustion and emission characteristics of an Acetone-Butanol-Ethanol (ABE) spark ignition engine with hydrogen direct injection. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 30145-30157.	7.1	16
38	Experimental investigation of the performance and emissions of a dual-injection SI engine with natural gas direct injection plus gasoline port injection under lean-burn conditions. <i>Fuel</i> , 2021, 300, 120952.	6.4	16
39	Experimental study on combustion and emissions of an SI engine with gasoline port injection and acetone-butanol-ethanol (ABE) direct injection. <i>Fuel</i> , 2021, 284, 119037.	6.4	13
40	Comparative study on combustion and emissions of SI engine with gasoline port injection plus acetone-butanol-ethanol (ABE), isopropanol-butanol-ethanol (IBE) or butanol direct injection. <i>Fuel</i> , 2022, 316, 123363.	6.4	12
41	Effect of brown gas (HHO) addition on combustion and emission in gasoline engine with exhaust gas recirculation (EGR) and gasoline direct injection. <i>Journal of Cleaner Production</i> , 2022, 360, 132078.	9.3	12
42	Effect of split injection on particle number (PN) emissions in GDI engine at fast-idle through integrated analysis of optics and mechanics. <i>Energy</i> , 2018, 165, 55-67.	8.8	10
43	Effects of Water Ratio in Hydrous Ethanol on the Combustion and Emissions of a Hydrous Ethanol/Gasoline Combined Injection Engine under Different Excess Air Ratios. <i>ACS Omega</i> , 2021, 6, 25749-25761.	3.5	10
44	Effects of Hydrogen Addition Ratios on Cycle-by-Cycle Variations of a Dual-Fuel Spark Ignition Engine with Ethanol Intake Port Injection and Hydrogen Direct Injection under Various Excess Air Ratios. <i>Energy &amp; Fuels</i> , 2020, 34, 3709-3724.	5.1	7
45	Particulate number and size distribution of dimethyl ether/gasoline combined injection spark ignition engines at medium engine speed and load. <i>Fuel</i> , 2022, 313, 122645.	6.4	7
46	Experimental study on combustion and emission of an SI engine with natural gas/ethanol combined injection. <i>Fuel</i> , 2022, 318, 123476.	6.4	7
47	Research on combustion and emission characteristics of a hydrous ethanol/hydrogen combined injection spark ignition engine under lean-burn conditions. <i>International Journal of Hydrogen Energy</i> , 2022, , .	7.1	6
48	Study on the Effect of Second Injection Timing on the Engine Performances of a Gasoline/Hydrogen SI Engine with Split Hydrogen Direct Injecting. <i>Energies</i> , 2020, 13, 5223.	3.1	4
49	An Experimental Study on Combustion and Cycle-by-Cycle Variations of an N-Butanol Engine with Hydrogen Direct Injection under Lean Burn Conditions. <i>Sensors</i> , 2022, 22, 1229.	3.8	3
50	Research on control system of piston stop-position based on electronic throttle. , 2015, , .		2
51	Study on Combustion and Emissions of a Combined Injection Spark Ignition Engine with Natural Gas Direct Injection Plus Ethanol Port Injection under Lean-Burn Conditions. <i>ACS Omega</i> , 2022, 7, 21901-21911.	3.5	2
52	Misfire detection based on engine speed using wavelet. , 2009, , .		1
53	Inner Selective Non-Catalytic Reduction Strategy for Nitrogen Oxides Abatement: Investigation of Ammonia Aqueous Solution Direct Injection with an SI Engine Model. <i>Energies</i> , 2019, 12, 2742.	3.1	1
54	Optimization of fuel supply map during starting process of electronic controlled diesel engine. <i>Frontiers of Energy and Power Engineering in China</i> , 2008, 2, 410-415.	0.4	0

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55	Design and control of the propulsion for a series Hybrid Electric Vehicle. , 2010, , .		0
56	New Advanced Technology to Improve Urban Environment. , 2010, , .		0
57	Unmanned hybrid electric vehicles FNN control based on self-organized learning algorithm and supervised learning algorithm. , 2010, , .		0
58	Notice of Retraction: The research on HEV Ni-MH battery discharge model. , 2011, , .		0
59	Numerical Studies on the Action Mechanism of Combustion Intermediates and Free Radicals on Nitrogen Oxides under Oil-Water Blended Conditions. Applied Sciences (Switzerland), 2018, 8, 490.	2.5	0
60	Performance Study of Direct Injection Gasoline Engine Based on Hydrogen Injection Strategy. , 2019, , .		0