

Yueh Heng Li

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,248
citations

304743

22
h-index

395702

33
g-index

60
all docs

60
docs citations

60
times ranked

894
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of catalyst segmentation with cavities on combustion enhancement of blended fuels in a micro channel. <i>Combustion and Flame</i> , 2012, 159, 1644-1651.	5.2	65
2	Combustion behavior of coal pellets blended with Miscanthus biochar. <i>Energy</i> , 2018, 163, 180-190.	8.8	57
3	Enhancement of methane combustion in microchannels: Effects of catalyst segmentation and cavities. <i>Chemical Engineering Journal</i> , 2010, 160, 715-722.	12.7	55
4	Analysis of syngas production rate in empty fruit bunch steam gasification with varying control factors. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 667-675.	7.1	53
5	Performance of a mesoscale liquid fuel film combustion driven TPV power system. <i>Progress in Photovoltaics: Research and Applications</i> , 2009, 17, 327-336.	8.1	51
6	The blowout mechanism of turbulent jet diffusion flames. <i>Combustion and Flame</i> , 2006, 145, 481-494.	5.2	44
7	Effects of hydrogen peroxide on combustion enhancement of premixed methane/air flames. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 15414-15426.	7.1	41
8	Cofiring characteristics of coal blended with torrefied Miscanthus biochar optimized with three Taguchi indexes. <i>Energy</i> , 2019, 172, 566-579.	8.8	41
9	Progress in miniature liquid film combustors: Double chamber and central porous fuel inlet designs. <i>Experimental Thermal and Fluid Science</i> , 2008, 32, 1118-1131.	2.7	40
10	Combustion characteristics of a small-scale combustor with a percolated platinum emitter tube for thermophotovoltaics. <i>Energy</i> , 2013, 61, 150-157.	8.8	38
11	Enhancing thermal, electrical efficiencies of a miniature combustion driven thermophotovoltaic system. <i>Progress in Photovoltaics: Research and Applications</i> , 2009, 17, 502-512.	8.1	36
12	Taguchi optimization of solar thermal and heat pump combisystems under five distinct climatic conditions. <i>Applied Thermal Engineering</i> , 2018, 133, 283-297.	6.0	36
13	EFFECTS OF DILUTION ON BLOWOUT LIMITS OF TURBULENT JET FLAMES. <i>Combustion Science and Technology</i> , 2004, 176, 1735-1753.	2.3	34
14	Micro-explosion and burning characteristics of a single droplet of pyrolytic oil from castor seeds. <i>Applied Thermal Engineering</i> , 2017, 114, 1053-1063.	6.0	33
15	Performance assessment of catalytic combustion-driven thermophotovoltaic platinum tubular reactor. <i>Applied Energy</i> , 2018, 211, 843-853.	10.1	33
16	A study of thermal pyrolysis for castor meal using the Taguchi method. <i>Energy</i> , 2014, 71, 62-70.	8.8	32
17	Low-temperature pre-treatment of municipal solid waste for efficient application in combustion systems. <i>Energy Conversion and Management</i> , 2019, 196, 525-535.	9.2	31
18	Effects of flue gas recirculation on the premixed oxy-methane flames in atmospheric condition. <i>Energy</i> , 2015, 89, 845-857.	8.8	30

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19	Combustion characteristics of a micro segment platinum tubular reactor with a gap. Chemical Engineering Journal, 2016, 304, 485-492.	12.7	30
20	Combustion in a Meso-Scale Liquid-Fuel-Film Combustor with Central-Porous Fuel Inlet. Combustion Science and Technology, 2008, 180, 1900-1919.	2.3	29
21	An experimental and numerical study on characteristics of laminar premixed H ₂ /CO/CH ₄ /air flames. International Journal of Hydrogen Energy, 2011, 36, 13207-13217.	7.1	29
22	Combustion characteristics in a small-scale reactor with catalyst segmentation and cavities. Proceedings of the Combustion Institute, 2013, 34, 2253-2259.	3.9	29
23	The study of optimal parameters of <scp>oxygen-enriched</scp> combustion in fluidized bed with optimal torrefied woody waste. International Journal of Energy Research, 2020, 44, 7416-7434.	4.5	24
24	Power generation performance of hydrogen-fueled micro thermophotovoltaic reactor. International Journal of Hydrogen Energy, 2018, 43, 1459-1469.	7.1	23
25	Design of a novel hydrogen-syngas catalytic mesh combustor. International Journal of Hydrogen Energy, 2009, 34, 8322-8328.	7.1	22
26	Chemical effect of hydrogen peroxide addition on characteristics of methane-air combustion. Energy, 2013, 55, 564-570.	8.8	22
27	Development of a high-flame-luminosity thermophotovoltaic power system. Chemical Engineering Journal, 2010, 162, 307-313.	12.7	20
28	Performance analysis and economic assessment of solar thermal and heat pump combisystems for subtropical and tropical region. Solar Energy, 2017, 153, 301-316.	6.1	19
29	Biosyngas-fueled platinum reactor applied in micro combined heat and power system with a thermophotovoltaic array and stirling engine. Energy, 2020, 194, 116862.	8.8	19
30	Role of N ₂ O and equivalence ratio on NO _x formation of methane/nitrous oxide premixed flames. Combustion and Flame, 2021, 223, 42-54.	5.2	19
31	Single-pot upgrading of run-of-mine coal and rice straw via Taguchi-optimized hydrothermal treatment: Fuel properties and synergistic effects. Energy, 2021, 236, 121482.	8.8	19
32	Concept and combustion characteristics of the high-luminescence flame for thermophotovoltaic systems. Proceedings of the Combustion Institute, 2011, 33, 3447-3454.	3.9	18
33	Design and demonstration of micro-scale vacuum cathode arc thruster with inductive energy storage circuit. Acta Astronautica, 2020, 172, 33-46.	3.2	14
34	Development of a tubular flame combustor for thermophotovoltaic power systems. Proceedings of the Combustion Institute, 2011, 33, 3439-3445.	3.9	13
35	Synergetic combustion behavior of aluminum and coal addition in hybrid iron-methane-air premixed flames. Combustion and Flame, 2021, 228, 364-374.	5.2	13
36	Effects of catalysts on pyrolysis of castor meal. Energy, 2017, 119, 1-9.	8.8	12

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37	Effects of Flue Gas Addition on the Premixed Oxy-methane Flames in Atmospheric Condition. Energy Procedia, 2015, 75, 3054-3059.	1.8	11
38	Ballistic and mechanical characteristics of paraffin-based solid fuels. CEAS Space Journal, 2019, 11, 317-327.	2.3	11
39	Effects of carbon dioxide in oxy-fuel atmosphere on catalytic combustion in a small-scale channel. Energy, 2016, 94, 766-774.	8.8	9
40	Effects of a microwave-induced corona discharge plasma on premixed methane-air flames. Energy, 2019, 188, 116007.	8.8	9
41	Effect of voltage on second-stage electrodes of dual-stage solid propellant pulsed plasma thruster. Vacuum, 2019, 167, 103-112.	3.5	9
42	Measurements of a high-luminosity flame structure by a shuttered PIV system. Measurement Science and Technology, 2008, 19, 045401.	2.6	8
43	A weighted segment-based caching algorithm for video streaming objects over heterogeneous networking environments. Expert Systems With Applications, 2011, 38, 3467-3476.	7.6	8
44	Micro-Explosion mechanism of iron hybrid Methane-Air premixed flames. Fuel, 2022, 325, 124841.	6.4	8
45	Effect of Diluent Addition on Combustion Characteristics of Methane/Nitrous Oxide Inverse Tri-Coflow Diffusion Flames. Combustion Science and Technology, 2022, 194, 1973-1993.	2.3	7
46	Effects of CO addition on the propagation characteristics of laminar CH ₄ triple flame. Combustion and Flame, 2012, 159, 2806-2816.	5.2	6
47	Development of laminar burning velocity measurement system in premixed flames with hydrogen-content syngas or strong oxidizer conditions in a slot burner. Case Studies in Thermal Engineering, 2022, 35, 102162.	5.7	6
48	Interaction between flow structure and chemical reaction around the perforated gap of stainless steel-platinum catalytic partition reactor. International Journal of Heat and Mass Transfer, 2021, 176, 121418.	4.8	5
49	Effects of the nitrous oxide decomposition reaction on soot precursors in nitrous oxide/ethylene diffusion flames. Energy, 2021, 235, 121364.	8.8	5
50	Static and dynamic characteristics of rotary kiln reactor during processing of biomass and municipal solid waste. Powder Technology, 2022, 404, 117476.	4.2	5
51	A CFD study on the performance of a passive ocean plastic collector under rough sea conditions. Ocean Engineering, 2019, 188, 106243.	4.3	4
52	A Simple and Accurate 3D Numerical Model for Laser Cladding. Journal of Mechanics, 2020, 36, 19-33.	1.4	4
53	A Dynamic Cache Scheme for Multimedia Streams on Heterogeneous Networking Environments. , 2009, , ,		3
54	Optimal Fe/Ni/Al catalyst for tar model steam reforming by using the Taguchi method. International Journal of Energy Research, 2022, 46, 7799-7815.	4.5	3

#	ARTICLE	IF	CITATIONS
55	A Tubular-Flame Combustor for Thermophotovoltaic Power Systems. , 2011, , .		1
56	Experimental studies on Heating and Burning of Characterized Heavy fuel Blended Oil. , 2018, , .		1
57	Optimization of solar water-heating combisystem deployed in an aquatic farm to mitigate hypothermia damage. Applied Thermal Engineering, 2020, 168, 114863.	6.0	1
58	A Transcoding Architecture for Adapting MPEG-21 Digital Items in Mobile Networks. , 2008, , .		0
59	Syngas Applied to Micro Thermophotovoltaic Power System Assemble with Stirling Engine. , 2018, , .		0
60	A parametric study on the effects of displacer-cylinder-circumferential-wall thermal conditions on the performance of a $\hat{1}^3$ -type LTD Stirling engine. International Journal of Ambient Energy, 2020, 41, 19-30.	2.5	0