

Dawei Wu

List of Publications by Year in descending order

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38
papers

1,290
citations

623188

14
h-index

377514

34
g-index

38
all docs

38
docs citations

38
times ranked

1004
citing authors

#	ARTICLE	IF	CITATIONS
1	Combined cooling, heating and power: A review. Progress in Energy and Combustion Science, 2006, 32, 459-495.	15.8	679
2	Experimental investigation of a micro-combined cooling, heating and power system driven by a gas engine. International Journal of Refrigeration, 2005, 28, 977-987.	1.8	110
3	Exergy cost analysis of a micro-trigeneration system based on the structural theory of thermoeconomics. Energy, 2008, 33, 1417-1426.	4.5	60
4	Laminar burning characteristics of ammonia/hydrogen/air mixtures with laser ignition. International Journal of Hydrogen Energy, 2021, 46, 31879-31893.	3.8	47
5	An investigation of a household size trigeneration running with hydrogen. Applied Energy, 2011, 88, 2176-2182.	5.1	37
6	A domestic CHP system with hybrid electrical energy storage. Energy and Buildings, 2012, 55, 361-368.	3.1	37
7	Experimental investigation on bubble departure diameter in pool boiling under sub-atmospheric pressure. International Journal of Heat and Mass Transfer, 2019, 134, 933-947.	2.5	28
8	Design, modelling and validation of a linear Joule Engine generator designed for renewable energy sources. Energy Conversion and Management, 2018, 165, 25-34.	4.4	24
9	An experimental study on explosive boiling of superheated droplets in vacuum spray flash evaporation. International Journal of Heat and Mass Transfer, 2019, 144, 118552.	2.5	24
10	Injection characteristics and fuel-air mixing process of ammonia jets in a constant volume vessel. Fuel, 2021, 304, 121408.	3.4	23
11	A feasibility study of Organic Rankine Cycle (ORC) power generation using thermal and cryogenic waste energy on board an LNG passenger vessel. International Journal of Energy Research, 2018, 42, 3121-3142.	2.2	22
12	The characteristics of a Linear Joule Engine Generator operating on a dry friction principle. Applied Energy, 2019, 237, 49-59.	5.1	17
13	Design and Parametric Analysis of Linear Joule-cycle Engine with Out-of-cylinder Combustion. Energy Procedia, 2014, 61, 1111-1114.	1.8	15
14	Phase change material thermal storage for biofuel preheating in micro trigeneration application: A numerical study. Applied Energy, 2015, 137, 832-844.	5.1	14
15	<i>Croton megalocarpus</i> oil-fired micro-trigeneration prototype for remote and self-contained applications: experimental assessment of its performance and gaseous and particulate emissions. Interface Focus, 2013, 3, 20120041.	1.5	13
16	Dynamic and thermodynamic characteristics of a linear Joule engine generator with different operating conditions. Energy Conversion and Management, 2018, 173, 375-382.	4.4	13
17	Micro distributed energy system driven with preheated <i>Croton megalocarpus</i> oil – A performance and particulate emission study. Applied Energy, 2013, 112, 1383-1392.	5.1	11
18	A Coupled Model of the Linear Joule Engine with Embedded Tubular Permanent Magnet Linear Alternator. Energy Procedia, 2017, 105, 1986-1991.	1.8	11

#	ARTICLE	IF	CITATIONS
19	Dual Reutilization of LNG Cryogenic Energy and Thermal Waste Energy with Organic Rankine Cycle in Marine Applications. <i>Energy Procedia</i> , 2017, 142, 1401-1406.	1.8	10
20	Thermo-Economic Performance of an Organic Rankine Cycle System Recovering Waste Heat Onboard an Offshore Service Vessel. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 351.	1.2	10
21	Parametric analysis of a semi-closed-loop linear joule engine generator using argon and oxy-hydrogen combustion. <i>Energy</i> , 2021, 217, 119357.	4.5	10
22	Characterising premixed ammonia and hydrogen combustion for a novel Linear Joule Engine Generator. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 23075-23090.	3.8	10
23	System Modelling of Organic Rankine Cycle for Waste Energy Recovery System in Marine Applications. <i>Energy Procedia</i> , 2019, 158, 1955-1961.	1.8	9
24	Characterization of Lubricant Degeneration and Component Deterioration on Diesel Engine Fueling with Straight Plant Oil. <i>Energy Procedia</i> , 2017, 105, 636-641.	1.8	7
25	Characteristics of Ammonia/Hydrogen Premixed Combustion in a Novel Linear Engine Generator. <i>Proceedings (mdpi)</i> , 2020, 58, .	0.2	6
26	An Investigation of Short Translator Linear Machines for Use in a Free Piston Engine. , 2019, , .		5
27	A preliminary experimental study on a lab-scale Linear Joule Engine prototype. <i>Energy Procedia</i> , 2019, 158, 2244-2249.	1.8	5
28	An experimental investigation of salt-water separation in the vacuum flashing assisted with heat pipes and solid adsorption. <i>Desalination</i> , 2016, 399, 116-123.	4.0	4
29	The effect of power converter on the design of a Linear Alternator for use with a Joule Cycle-Free Piston Engine. , 2017, , .		4
30	Performance of a tubular machine driven by an external combustion free piston engine. <i>Journal of Engineering</i> , 2019, 2019, 3867-3871.	0.6	4
31	Research on the Intake Port of a Uniflow Scavenging GDI Opposed-Piston Two-Stroke Engine. <i>Energies</i> , 2022, 15, 2148.	1.6	4
32	A new fresh water generation system under high vacuum degrees intensified by LNG cryogenic energy. <i>Energy Procedia</i> , 2019, 158, 726-732.	1.8	3
33	A waste cryogenic energy assisted freshwater generator for marine applications. <i>Desalination</i> , 2021, 500, 114898.	4.0	3
34	Investigation of the combustion and emissions of lignin-derived aromatic oxygenates in a marine diesel engine. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 1709.	1.9	3
35	Performance, Emissions and Durability Studies on Diesel Engine Fuelled with a Preheated Raw Microalgal Oil. <i>Proceedings (mdpi)</i> , 2020, 58, 4.	0.2	3
36	A study of translator length in a tubular linear electrical machine designed for use in a linear combustion joule engine. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
37	Pressure drop study on an Organic Rankine System utilizing LNG cryogenic energy and waste heat recovery. Energy Procedia, 2019, 158, 718-725.	1.8	2
38	Modelling and build of an integrated linear engine generator designed for power density. , 2021, , .		1