

Dawei Wu

List of Publications by Citations

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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.

36
papers

955
citations

10
h-index

30
g-index

38
ext. papers

1,122
ext. citations

6.2
avg, IF

4.45
L-index

#	Paper	IF	Citations
36	Combined cooling, heating and power: A review. <i>Progress in Energy and Combustion Science</i> , 2006 , 32, 459-495	33.6	574
35	Experimental investigation of a micro-combined cooling, heating and power system driven by a gas engine. <i>International Journal of Refrigeration</i> , 2005 , 28, 977-987	3.8	98
34	Exergy cost analysis of a micro-trigeneration system based on the structural theory of thermoeconomics. <i>Energy</i> , 2008 , 33, 1417-1426	7.9	54
33	A domestic CHP system with hybrid electrical energy storage. <i>Energy and Buildings</i> , 2012 , 55, 361-368	7	31
32	An investigation of a household size trigeneration running with hydrogen. <i>Applied Energy</i> , 2011 , 88, 2176-2182	2.29	29
31	Design, modelling and validation of a linear Joule Engine generator designed for renewable energy sources. <i>Energy Conversion and Management</i> , 2018 , 165, 25-34	10.6	14
30	Experimental investigation on bubble departure diameter in pool boiling under sub-atmospheric pressure. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 134, 933-947	4.9	13
29	A feasibility study of Organic Rankine Cycle (ORC) power generation using thermal and cryogenic waste energy on board an LNG passenger vessel. <i>International Journal of Energy Research</i> , 2018 , 42, 3121-3142	4.5	12
28	Design and Parametric Analysis of Linear Joule-cycle Engine with Out-of-cylinder Combustion. <i>Energy Procedia</i> , 2014 , 61, 1111-1114	2.3	12
27	Croton megalocarpus oil-fired micro-trigeneration prototype for remote and self-contained applications: experimental assessment of its performance and gaseous and particulate emissions. <i>Interface Focus</i> , 2013 , 3, 20120041	3.9	12
26	An experimental study on explosive boiling of superheated droplets in vacuum spray flash evaporation. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 144, 118552	4.9	10
25	The characteristics of a Linear Joule Engine Generator operating on a dry friction principle. <i>Applied Energy</i> , 2019 , 237, 49-59	10.7	10
24	Phase change material thermal storage for biofuel preheating in micro trigeneration application: A numerical study. <i>Applied Energy</i> , 2015 , 137, 832-844	10.7	9
23	Micro distributed energy system driven with preheated Croton megalocarpus oil: A performance and particulate emission study. <i>Applied Energy</i> , 2013 , 112, 1383-1392	10.7	8
22	Dynamic and thermodynamic characteristics of a linear Joule engine generator with different operating conditions. <i>Energy Conversion and Management</i> , 2018 , 173, 375-382	10.6	7
21	System Modelling of Organic Rankine Cycle for Waste Energy Recovery System in Marine Applications. <i>Energy Procedia</i> , 2019 , 158, 1955-1961	2.3	6
20	A Coupled Model of the Linear Joule Engine with Embedded Tubular Permanent Magnet Linear Alternator. <i>Energy Procedia</i> , 2017 , 105, 1986-1991	2.3	6

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	2.3	6
18	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	2.4	5
17	Characterization of Lubricant Degeneration and Component Deterioration on Diesel Engine Fueling with Straight Plant Oil. <i>Energy Procedia</i> , 2017 , 105, 636-641	2.3	5
16	Parametric analysis of a semi-closed-loop linear joule engine generator using argon and oxy-hydrogen combustion. <i>Energy</i> , 2021 , 217, 119357	7.9	5
15	Injection characteristics and fuel-air mixing process of ammonia jets in a constant volume vessel. <i>Fuel</i> , 2021 , 304, 121408	7.1	4
14	A preliminary experimental study on a lab-scale Linear Joule Engine prototype. <i>Energy Procedia</i> , 2019 , 158, 2244-2249	2.3	3
13	The effect of power converter on the design of a Linear Alternator for use with a Joule Cycle-Free Piston Engine 2017 ,		3
12	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	10.3	3
11	Performance, Emissions and Durability Studies on Diesel Engine Fuelled with a Preheated Raw Microalgal Oil. <i>Proceedings (mdpi)</i> , 2020 , 58, 4	0.3	3
10	Characteristics of Ammonia/Hydrogen Premixed Combustion in a Novel Linear Engine Generator. <i>Proceedings (mdpi)</i> , 2020 , 58, 2	0.3	3
9	Laminar burning characteristics of ammonia/hydrogen/air mixtures with laser ignition. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 31879-31893	6.7	3
8	Pressure drop study on an Organic Rankine System utilizing LNG cryogenic energy and waste heat recovery. <i>Energy Procedia</i> , 2019 , 158, 718-725	2.3	2
7	Characterising premixed ammonia and hydrogen combustion for a novel Linear Joule Engine Generator. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 23075-23090	6.7	2
6	An Investigation of Short Translator Linear Machines for Use in a Free Piston Engine 2019 ,		1
5	A new fresh water generation system under high vacuum degrees intensified by LNG cryogenic energy. <i>Energy Procedia</i> , 2019 , 158, 726-732	2.3	1
4	Research on the Intake Port of a Uniflow Scavenging GDI Opposed-Piston Two-Stroke Engine. <i>Energies</i> , 2022 , 15, 2148	3.1	1
3	Performance of a tubular machine driven by an external-combustion free-piston engine. <i>Journal of Engineering</i> , 2019 , 2019, 3867-3871	0.7	0
2	A waste cryogenic energy assisted freshwater generator for marine applications. <i>Desalination</i> , 2021 , 500, 114898	10.3	0

- 1 Investigation of the combustion and emissions of lignin-derived aromatic oxygenates in a marine diesel engine. *Biofuels, Bioproducts and Biorefining*, **2021**, 15, 1709

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