Dawei Wu

List of Publications by Year in Descending Order

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	Research on the Intake Port of a Uniflow Scavenging GDI Opposed-Piston Two-Stroke Engine. *Energies*, **2022**, 15, 2148	3.1	1
35	A waste cryogenic energy assisted freshwater generator for marine applications. *Desalination*, **2021**, 500, 114898	10.3	0
34	Characterising premixed ammonia and hydrogen combustion for a novel Linear Joule Engine Generator. *International Journal of Hydrogen Energy*, **2021**, 46, 23075-23090	6.7	2
33	Parametric analysis of a semi-closed-loop linear joule engine generator using argon and oxy-hydrogen combustion. *Energy*, **2021**, 217, 119357	7.9	5
32	Investigation of the combustion and emissions of lignin-derived aromatic oxygenates in a marine diesel engine. *Biofuels, Bioproducts and Biorefining*, **2021**, 15, 1709	5.3	0
31	Laminar burning characteristics of ammonia/hydrogen/air mixtures with laser ignition. *International Journal of Hydrogen Energy*, **2021**, 46, 31879-31893	6.7	3
30	Injection characteristics and fuel-air mixing process of ammonia jets in a constant volume vessel. *Fuel*, **2021**, 304, 121408	7.1	4
29	Thermo-Economic Performance of an Organic Rankine Cycle System Recovering Waste Heat Onboard an Offshore Service Vessel. *Journal of Marine Science and Engineering*, **2020**, 8, 351	2.4	5
28	Performance, Emissions and Durability Studies on Diesel Engine Fuelled with a Preheated Raw Microalgal Oil. *Proceedings (mdpi)*, **2020**, 58, 4	0.3	3
27	Characteristics of Ammonia/Hydrogen Premixed Combustion in a Novel Linear Engine Generator. *Proceedings (mdpi)*, **2020**, 58, 2	0.3	3
26	An Investigation of Short Translator Linear Machines for Use in a Free Piston Engine **2019**,		1
25	A preliminary experimental study on a lab-scale Linear Joule Engine prototype. *Energy Procedia*, **2019**, 158, 2244-2249	2.3	3
24	Pressure drop study on an Organic Rankine System utilizing LNG cryogenic energy and waste heat recovery. *Energy Procedia*, **2019**, 158, 718-725	2.3	2
23	A new fresh water generation system under high vacuum degrees intensified by LNG cryogenic energy. *Energy Procedia*, **2019**, 158, 726-732	2.3	1
22	System Modelling of Organic Rankine Cycle for Waste Energy Recovery System in Marine Applications. *Energy Procedia*, **2019**, 158, 1955-1961	2.3	6
21	An experimental study on explosive boiling of superheated droplets in vacuum spray flash evaporation. *International Journal of Heat and Mass Transfer*, **2019**, 144, 118552	4.9	10
20	The characteristics of a Linear Joule Engine Generator operating on a dry friction principle. *Applied Energy*, **2019**, 237, 49-59	10.7	10

19	Experimental investigation on bubble departure diameter in pool boiling under sub-atmospheric pressure. *International Journal of Heat and Mass Transfer*, **2019**, 134, 933-947	4.9	13
18	Performance of a tubular machine driven by an external-combustion free-piston engine. *Journal of Engineering*, **2019**, 2019, 3867-3871	0.7	0
17	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	4.5	12
16	Design, modelling and validation of a linear Joule Engine generator designed for renewable energy sources. *Energy Conversion and Management*, **2018**, 165, 25-34	10.6	14
15	Dynamic and thermodynamic characteristics of a linear Joule engine generator with different operating conditions. *Energy Conversion and Management*, **2018**, 173, 375-382	10.6	7
14	The effect of power converter on the design of a Linear Alternator for use with a Joule Cycle-Free Piston Engine **2017**,		3
13	Characterization of Lubricant Degeneration and Component Deterioration on Diesel Engine Fueling with Straight Plant Oil. *Energy Procedia*, **2017**, 105, 636-641	2.3	5
12	A Coupled Model of the Linear Joule Engine with Embedded Tubular Permanent Magnet Linear Alternator. *Energy Procedia*, **2017**, 105, 1986-1991	2.3	6
11	Dual Reutilization of LNG Cryogenic Energy and Thermal Waste Energy with Organic Rankine Cycle in Marine Applications. *Energy Procedia*, **2017**, 142, 1401-1406	2.3	6
10	An experimental investigation of salt-water separation in the vacuum flashing assisted with heat pipes and solid adsorption. *Desalination*, **2016**, 399, 116-123	10.3	3
9	Phase change material thermal storage for biofuel preheating in micro trigeneration application: A numerical study. *Applied Energy*, **2015**, 137, 832-844	10.7	9
8	Design and Parametric Analysis of Linear Joule-cycle Engine with Out-of-cylinder Combustion. *Energy Procedia*, **2014**, 61, 1111-1114	2.3	12
7	Micro distributed energy system driven with preheated Croton megalocarpus oil □A performance and particulate emission study. *Applied Energy*, **2013**, 112, 1383-1392	10.7	8
6	Croton megalocarpus 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	3.9	12
5	A domestic CHP system with hybrid electrical energy storage. *Energy and Buildings*, **2012**, 55, 361-368	7	31
4	An investigation of a household size trigeneration running with hydrogen. *Applied Energy*, **2011**, 88, 2176-2182	6.7	29
3	Exergy cost analysis of a micro-trigeneration system based on the structural theory of thermoeconomics. *Energy*, **2008**, 33, 1417-1426	7.9	54
2	Combined cooling, heating and power: A review. *Progress in Energy and Combustion Science*, **2006**, 32, 459-495	33.6	574

1	Experimental investigation of a micro-combined cooling, heating and power system driven by a gas engine. *International Journal of Refrigeration*, **2005**, 28, 977-987	3.8	98