Andrey Gunawan

List of Publications by Year
in descending order

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21 papers	1,000 citations	1307594 7 h-index	1281871 11 g-index
25 all docs	25 docs citations	25 times ranked	1370 citing authors

#	Article	IF	Citations
1	Small particles, big impacts: A review of the diverse applications of nanofluids. Journal of Applied Physics, 2013, 113, .	2.5	622
2	Liquid Thermoelectrics: Review of Recent And Limited New Data of Thermogalvanic Cell Experiments. Nanoscale and Microscale Thermophysical Engineering, 2013, 17, 304-323.	2.6	137
3	The amplifying effect of natural convection on power generation of thermogalvanic cells. International Journal of Heat and Mass Transfer, 2014, 78, 423-434.	4.8	70
4	Characterization of light-induced, volumetric steam generation in nanofluids. International Journal of Thermal Sciences, 2012, 56, 1-11.	4.9	67
5	Experimental investigation of the latent heat of vaporization in aqueous nanofluids. Applied Physics Letters, 2014, 104, .	3.3	23
6	A dual-stage sodium thermal electrochemical converter (Na-TEC). Journal of Power Sources, 2017, 371, 217-224.	7.8	22
7	Techno-Economics of Cogeneration Approaches for Combined Power and Desalination From Concentrated Solar Power. Journal of Solar Energy Engineering, Transactions of the ASME, 2019, 141, .	1.8	18
8	Critical Review of the Novel Applications and Uses of Nanofluids. , 2012, , .		12
9	Improving Seebeck coefficient of thermoelectrochemical cells by controlling ligand complexation at metal redox centers. Applied Physics Letters, 2021, 118, .	3.3	7
10	Nanoparticle-Assisted Heating Utilizing a Low-Cost White Light Source. Journal of Nanotechnology in Engineering and Medicine, 2013, 4, .	0.8	5
11	Characterization of a Nanofluid Volumetric Solar Absorber / Steam Generator. , 2011, , .		4
12	Thermogalvanic Waste Heat Recovery System in Automobiles. , 2015, , .		4
13	A Costâ€Performance Analysis of a Sodium Heat Engine for Distributed Concentrating Solar Power. Advanced Sustainable Systems, 2020, 4, 1900104.	5.3	3
14	A solar thermal sorption-enhanced steam methane reforming (SE-SMR) approach and its performance assessment. Sustainable Energy Technologies and Assessments, 2022, 52, 102036.	2.7	3
15	Optimization of Cell Configuration for Maximizing Performance of a Cu/Cu2+ Aqueous Thermogalvanic Cell. , 2012, , .		1
16	Techno-Economic Analysis of Dual-Stage Sodium Thermal Electrochemical Converter (Na-TEC) Power Block for Distributed CSP. , 2018, , .		1
17	Techno-Economic Comparison Between Conventional and Innovative Combined Solar Thermal Power and Desalination Methods for Cogeneration. , 2018, , .		1
18	Electrode Separation and Operating Orientation: Mechanisms for Maximizing Performance of Cu/Cu2+ Aqueous Thermogalvanic Cells. , 2013, , .		0

#	Article	IF	Citations
19	The 2014 Joseph W. Richards Summer Research Fellowship -- Summary Report: Thermogalvanic Waste Heat Recovery in Transportation Energy Systems. Electrochemical Society Interface, 2014, 23, 81-82.	0.4	0
20	New directions in thermoelectric and thermal-electric cooling. , 2017, , .		0
21	Brazings for Metal-Ceramic Joining in Sodium Thermal Electrochemical Converter (Na-TEC) Devices. , 2018, , .		0