

Hasna Louahlia

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.

43
papers

1,115
citations

18
h-index

33
g-index

49
ext. papers

1,352
ext. citations

5
avg, IF

4.86
L-index

#	Paper	IF	Citations
43	Review of tri-generation technologies: Design evaluation, optimization, decision-making, and selection approach. <i>Energy Conversion and Management</i> , 2016 , 120, 157-196	10.6	170
42	Supercapacitor Characterization and Thermal Modelling With Reversible and Irreversible Heat Effect. <i>IEEE Transactions on Power Electronics</i> , 2011 , 26, 3402-3409	7.2	96
41	Two-phase thermosyphon loop for cooling outdoor telecommunication equipments. <i>Applied Thermal Engineering</i> , 2013 , 50, 1351-1360	5.8	95
40	. <i>IEEE Transactions on Industry Applications</i> , 2009 , 45, 1035-1044	4.3	76
39	Review of water-heating systems: General selection approach based on energy and environmental aspects. <i>Building and Environment</i> , 2014 , 72, 259-286	6.5	70
38	Experimental investigation of thermosyphon loop thermal performance. <i>Energy Conversion and Management</i> , 2014 , 84, 671-680	10.6	55
37	A review of thermal management and innovative cooling strategies for data center. <i>Sustainable Computing: Informatics and Systems</i> , 2018 , 19, 14-28	3	49
36	Green Mobile Networks for 5G and Beyond. <i>IEEE Access</i> , 2019 , 7, 107270-107299	3.5	47
35	Air source heat pump water heater: Dynamic modeling, optimal energy management and mini-tubes condensers. <i>Energy</i> , 2014 , 64, 1102-1116	7.9	46
34	Experimental investigations and modeling of a loop thermosyphon for cooling with zero electrical consumption. <i>Applied Thermal Engineering</i> , 2015 , 87, 559-573	5.8	40
33	4-E based optimal management of a SOFC-CCHP system model for residential applications. <i>Energy Conversion and Management</i> , 2017 , 151, 607-629	10.6	38
32	Condensation heat transfer enhancement in a horizontal non-circular microchannel. <i>Applied Thermal Engineering</i> , 2014 , 64, 358-370	5.8	30
31	An experimental study of evaporation and condensation heat transfer coefficients for looped thermosyphon. <i>Applied Thermal Engineering</i> , 2017 , 110, 931-940	5.8	26
30	Electricity of Lebanon: Problems and Recommendations. <i>Energy Procedia</i> , 2012 , 19, 310-320	2.3	26
29	Energy status in Lebanon and electricity generation reform plan based on cost and pollution optimization. <i>Renewable and Sustainable Energy Reviews</i> , 2013 , 20, 255-278	16.2	25
28	Thermal management and forced air-cooling of supercapacitors stack. <i>Applied Thermal Engineering</i> , 2015 , 85, 89-99	5.8	23
27	Energy assessment of PEMFC based MCCHP with absorption chiller for small scale French residential application. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 19661-19680	6.7	22

26	Experimental study of slug flow for condensation in a single square microchannel. <i>Experimental Thermal and Fluid Science</i> , 2012 , 38, 1-13	3	18
25	Numerical Study of Nanofluid Condensation Heat Transfer in a Square Microchannel. <i>Numerical Heat Transfer; Part A: Applications</i> , 2015 , 68, 1242-1265	2.3	15
24	Experimental study and analytical modeling of thermosyphon loop for cooling data center racks. <i>Heat and Mass Transfer</i> , 2020 , 56, 121-142	2.2	15
23	Dynamic modeling of an eco-neighborhood integrated micro-CHP based on PEMFC: Performance and economic analyses. <i>Energy and Buildings</i> , 2018 , 166, 93-108	7	14
22	Experimental and numerical investigations of local condensation heat transfer in a single square microchannel under variable heat flux. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 71, 197-207	5.8	14
21	Optimal management proposal for hybrid water heating system. <i>Energy and Buildings</i> , 2014 , 75, 342-357	7	14
20	Multi-variable optimization for future electricity-plan scenarios in Lebanon. <i>Energy Policy</i> , 2013 , 58, 49-56	6.2	12
19	Recovery Storage Tank Size: An Optimization Approach for Tri-generation Systems on Diesel Power Generators. <i>Energy Procedia</i> , 2015 , 74, 788-798	2.3	11
18	Experimental study of flooding phenomenon in a power plant reflux air-cooled condenser. <i>Applied Thermal Engineering</i> , 2015 , 79, 214-224	5.8	8
17	Towards passive cooling solutions for mobile access network. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2012 , 67, 125-132	2	8
16	Experimental and numerical study of supercapacitors module with air-cooling. <i>Applied Thermal Engineering</i> , 2019 , 159, 113903	5.8	7
15	Local heat transfer during reflux condensation at subatmospheric pressure and with and without non-condensable gases for power plant application. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 76, 117-126	5.8	7
14	Experimental analysis on Li-ion battery local heat distribution. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 138, 1557-1571	4.1	6
13	Impact of Microgroove Shape on Flat Miniature Heat Pipe Efficiency. <i>Entropy</i> , 2018 , 20,	2.8	6
12	Local Heat Transfer and flow Patterns During Condensation in a Single Silicon Microchannel. <i>Nanoscale and Microscale Thermophysical Engineering</i> , 2012 , 16, 220-241	3.7	6
11	Numerical study of nanofluids condensation heat transfer in a square microchannel. <i>Numerical Heat Transfer; Part A: Applications</i> , 2016 , 69, 957-976	2.3	5
10	Experimental study of void fraction profiles in pool boiling on a vertical surface. <i>Applied Thermal Engineering</i> , 2003 , 23, 2317-2335	5.8	3
9	Experimental analysis of heat transfer for a cooled smooth tube: comparison of the inverse and direct results. <i>Inverse Problems in Science and Engineering</i> , 2006 , 14, 3-19	1.3	2

8	Experimental investigation of convective boiling in mini-channels: Cooling application of the proton exchange membrane fuel cells. <i>Thermal Science</i> , 2017 , 21, 223-232	1.2	2
7	Régimes d'écoulement et mesure de l'épaisseur du film liquide ruisselant autour d'un tube horizontal. <i>Canadian Journal of Chemical Engineering</i> , 2008 , 81, 1222-1231	2.3	1
6	The inverse estimation of the local heat transfer coefficient in falling film evaporation. <i>Inverse Problems in Science and Engineering</i> , 2004 , 12, 29-43	1.3	1
5	Experimental and Numerical Study for a Novel Arrangement of a SuperCapacitors Stack to Improve Heat Transfer. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 662	2.6	1
4	Novel Dual Walling Cob Building: Dynamic Thermal Performance. <i>Energies</i> , 2021 , 14, 7663	3.1	1
3	Experimental investigation on the impact of the battery charging/discharging current ratio on the operating temperature and heat generation. <i>International Journal of Energy Research</i> , 2021 , 45, 16754-16768	4.5	1
2	Local boiling heat transfer and pressure drop in smooth horizontal tube for geothermal facilities. <i>Applied Thermal Engineering</i> , 2016 , 104, 429-438	5.8	1
1	Performance of a hybrid thermosyphon condenser for cooling a typical data center under various climatic constraints. <i>Applied Thermal Engineering</i> , 2021 , 202, 117786	5.8	0