

Hasna Louahlia

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3869311/hasna-louahlia-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
42	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
41	Novel Dual Walling Cob Building: Dynamic Thermal Performance. <i>Energies</i> , 2021 , 14, 7663	3.1	1
40	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
39	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
38	Experimental and numerical study of supercapacitors module with air-cooling. <i>Applied Thermal Engineering</i> , 2019 , 159, 113903	5.8	7
37	Experimental analysis on Li-ion battery local heat distribution. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 138, 1557-1571	4.1	6
36	Green Mobile Networks for 5G and Beyond. <i>IEEE Access</i> , 2019 , 7, 107270-107299	3.5	47
35	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
34	Impact of Microgroove Shape on Flat Miniature Heat Pipe Efficiency. <i>Entropy</i> , 2018 , 20,	2.8	6
33	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
32	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
31	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
30	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
29	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
28	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
27	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

26	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
25	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
24	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
23	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
22	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
21	Thermal management and forced air-cooling of supercapacitors stack. <i>Applied Thermal Engineering</i> , 2015 , 85, 89-99	5.8	23
20	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
19	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
18	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
17	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
16	Condensation heat transfer enhancement in a horizontal non-circular microchannel. <i>Applied Thermal Engineering</i> , 2014 , 64, 358-370	5.8	30
15	Experimental investigation of thermosyphon loop thermal performance. <i>Energy Conversion and Management</i> , 2014 , 84, 671-680	10.6	55
14	Optimal management proposal for hybrid water heating system. <i>Energy and Buildings</i> , 2014 , 75, 342-357		14
13	Multi-variable optimization for future electricity-plan scenarios in Lebanon. <i>Energy Policy</i> , 2013 , 58, 49-56	2	12
12	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
11	Two-phase thermosyphon loop for cooling outdoor telecommunication equipments. <i>Applied Thermal Engineering</i> , 2013 , 50, 1351-1360	5.8	95
10	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
9	Electricity of Lebanon: Problems and Recommendations. <i>Energy Procedia</i> , 2012 , 19, 310-320	2.3	26

8	Towards passive cooling solutions for mobile access network. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2012 , 67, 125-132	2	8
7	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
6	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
5	. <i>IEEE Transactions on Industry Applications</i> , 2009 , 45, 1035-1044	4.3	76
4	Régimes d'écoulement et mesure de l'épaisseur d'un film liquide ruisselant autour d'un tube horizontal. <i>Canadian Journal of Chemical Engineering</i> , 2008 , 81, 1222-1231	2.3	1
3	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
2	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
1	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