Changzheng Li

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9325743/publications.pdf

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23	424	687220 13	752573 20
papers	citations	h-index	g-index

23	23	23	445
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electricity Generation from Capillary-Driven Ionic Solution Flow in a Three-Dimensional Graphene Membrane. ACS Applied Materials & Interfaces, 2019, 11, 4922-4929.	4.0	57
2	Fluorescence spectroscopy of graphene quantum dots: temperature effect at different excitation wavelengths. Nanotechnology, 2014, 25, 435703.	1.3	40
3	Thermal characterization of carbon nanotube fiber by time-domain differential Raman. Carbon, 2016, 103, 101-108.	5.4	35
4	Capillary driven electrokinetic generator for environmental energy harvesting. Materials Research Bulletin, 2017, 90, 81-86.	2.7	32
5	Triboelectric nanogenerator based on a moving bubble in liquid for mechanical energy harvesting and water level monitoring. Nano Energy, 2022, 95, 106998.	8.2	30
6	Low-grade waste heat driven desalination with an open loop heat pipe. Energy, 2018, 163, 221-228.	4.5	28
7	Combined effect of surface charge and boundary slip on pressure-driven flow and convective heat transfer in nanochannels with overlapping electric double layer. International Journal of Heat and Mass Transfer, 2021, 176, 121353.	2.5	25
8	Ion current rectification in asymmetric charged bilayer nanochannels. Electrochimica Acta, 2022, 403, 139706.	2.6	24
9	Hyperbranched concave octahedron of PtIrCu nanocrystals with high-index facets for efficiently electrochemical ammonia oxidation reaction. Journal of Colloid and Interface Science, 2021, 601, 1-11.	5.0	22
10	Electricity generation across graphene oxide membranes. Materials Research Bulletin, 2018, 97, 96-100.	2.7	21
11	Parallel measurement of conductive and convective thermal transport of micro/nanowires based on Raman mapping. Applied Physics Letters, 2015, 106, .	1.5	16
12	A framework for evaluating and optimizing the cascade utilization of medium-low grade waste heat in marine dual-fuel engines. Journal of Cleaner Production, 2020, 276, 123289.	4.6	14
13	The electroviscous effect in nanochannels with overlapping electric double layers considering the height size effect on surface charge. Electrochimica Acta, 2022, 419, 140421.	2.6	14
14	Molecular dynamics simulations of the thermal conductivity of graphene for application in wearable devices. Nanotechnology, 2019, 30, 025705.	1.3	13
15	Surface charge and thermal dependence of energy conversion in nanochannels. International Communications in Heat and Mass Transfer, 2022, 135, 106121.	2.9	11
16	Interstitial nanoclusters within graphene sheets for highly conductive, strong and electrochemically active fiber-shaped supercapacitors. Applied Materials Today, 2020, 20, 100768.	2.3	10
17	Flow boiling heat transfer enhancement under ultrasound field in minichannel heat sinks. Ultrasonics Sonochemistry, 2021, 78, 105737.	3.8	8
18	Development of steady-state electrical-heating fluorescence-sensing (SEF) technique for thermal characterization of one dimensional (1D) structures by employing graphene quantum dots (GQDs) as temperature sensors. Nanotechnology, 2016, 27, 445706.	1.3	6

#	Article	IF	Citations
19	Electricity generation from ionic solution flowing through packed three-dimensional graphene powders. Nanotechnology, 2021, 32, 355401.	1.3	6
20	Power generation from microjet array of liquid water. Journal Physics D: Applied Physics, 2018, 51, 285501.	1.3	4
21	Steady-state operating characteristics analysis of loop heat pipes with flat-plate evaporator. Thermal Science and Engineering Progress, 2022, 28, 101070.	1.3	4
22	Thermal transport measurement of three-dimensional graphene powders for application in energy devices. Materials Today Energy, 2021, 19, 100582.	2.5	2
23	Open loop heat pipes for high-efficiency desalination plant. Applied Thermal Engineering, 2021, 193, 117027.	3.0	2