

# Sumanjeet Kaur

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5996654/publications.pdf>

Version: 2024-02-01

19  
papers

655  
citations

623734

14  
h-index

794594

19  
g-index

20  
all docs

20  
docs citations

20  
times ranked

675  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental screening of salt hydrates for thermochemical energy storage for building heating application. <i>Journal of Energy Storage</i> , 2022, 51, 104415.	8.1	17
2	Addressing energy storage needs at lower cost <i>via</i> on-site thermal energy storage in buildings. <i>Energy and Environmental Science</i> , 2021, 14, 5315-5329.	30.8	46
3	Impact of size and thermal gradient on supercooling of phase change materials for thermal energy storage. <i>Applied Energy</i> , 2021, 290, 116635.	10.1	19
4	High thermoelectric figure of merit of porous Si nanowires from 300 to 700â€‰K. <i>Nature Communications</i> , 2021, 12, 3926.	12.8	26
5	Random copolymer of poly(polyethylene glycol methyl ether)methacrylate as tunable transition temperature solid-solid phase change material for thermal energy storage. <i>Solar Energy Materials and Solar Cells</i> , 2021, 225, 111030.	6.2	19
6	Operando spatial mapping of lithium concentration using thermal-wave sensing. <i>Joule</i> , 2021, 5, 2195-2210.	24.0	13
7	A review of thermal physics and management inside lithium-ion batteries for high energy density and fast charging. <i>Energy Storage Materials</i> , 2021, 41, 264-288.	18.0	89
8	Parametric study of solid-solid translucent phase change materials in building windows. <i>Applied Energy</i> , 2021, 301, 117467.	10.1	24
9	Dynamic tunability of phase-change material transition temperatures using ions for thermal energy storage. <i>Cell Reports Physical Science</i> , 2021, 2, 100613.	5.6	7
10	Phase change materials for thermal energy storage: A perspective on linking phonon physics to performance. <i>Journal of Applied Physics</i> , 2021, 130, .	2.5	14
11	Enhanced solar evaporation using a photo-thermal umbrella for wastewater management. <i>Nature Sustainability</i> , 2020, 3, 144-151.	23.7	151
12	Enhanced Charge Carrier Transport in 2D Perovskites by Incorporating Single-Walled Carbon Nanotubes or Graphene. <i>ACS Energy Letters</i> , 2020, 5, 109-116.	17.4	17
13	Mining Lithium from Seawater. <i>Joule</i> , 2020, 4, 1357-1358.	24.0	35
14	Water Freezes at Near-Zero Temperatures Using Carbon Nanotube-Based Electrodes under Static Electric Fields. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 45525-45532.	8.0	7
15	Identification and characterization of the dominant thermal resistance in lithium-ion batteries using <i>operando</i> 3-omega sensors. <i>Journal of Applied Physics</i> , 2020, 127, .	2.5	24
16	Analysis and improvement of the hot disk transient plane source method for low thermal conductivity materials. <i>International Journal of Heat and Mass Transfer</i> , 2020, 151, 119331.	4.8	69
17	A nano-phonic filter for near infrared radiative heater. <i>Applied Thermal Engineering</i> , 2019, 153, 221-224.	6.0	15
18	Spectrally selective solar absorber stable up to 900â€‰Â°C for 120â€‰h under ambient conditions. <i>Solar Energy</i> , 2018, 174, 305-311.	6.1	37

#	ARTICLE	IF	CITATIONS
19	Design and Characterization of Three-Dimensional Carbon Nanotube Foams. Journal of Physical Chemistry B, 2006, 110, 21377-21380.	2.6	26