

Daniel Lager

List of Publications by Year in descending order

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18
papers

234
citations

1307594

7
h-index

1058476

14
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19
all docs

19
docs citations

19
times ranked

252
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental characterization and simulation of a fin-tube latent heat storage using high density polyethylene as PCM. <i>Applied Energy</i> , 2016, 179, 237-246.	10.1	77
2	High-Temperature Energy Storage: Kinetic Investigations of the CuO/Cu ₂ O Reaction Cycle. <i>Energy & Fuels</i> , 2017, 31, 2324-2334.	5.1	53
3	Experimental Analysis and Numerical Modeling of a Shell and Tube Heat Storage Unit with Phase Change Materials. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 8154-8164.	3.7	22
4	Thermo-kinetics study of MIM thermal de-binding using TGA coupled with FTIR and mass spectrometry. <i>Thermochimica Acta</i> , 2010, 503-504, 40-45.	2.7	14
5	Fluid dynamics simulations for an open-sorption heat storage drum reactor based on thermophysical kinetics and experimental observations. <i>Applied Thermal Engineering</i> , 2016, 107, 994-1007.	6.0	12
6	Durability of a fin-tube latent heat storage using high density polyethylene as PCM. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 251, 012123.	0.6	10
7	Finite element sintering analysis of metal injection molded copper brown body using thermo-physical data and kinetics. <i>Computational Materials Science</i> , 2012, 53, 6-11.	3.0	8
8	Sintering/shrinkage kinetics of metal injection molded copper brown body. <i>Materials Letters</i> , 2010, 64, 2347-2349.	2.6	7
9	Methodology to determine the apparent specific heat capacity of metal hydroxides for thermochemical energy storage. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 133, 207-215.	3.6	7
10	High-Performance Amorphous Carbon Coated LiNi _{0.6} Mn _{0.2} Co _{0.2} O ₂ Cathode Material with Improved Capacity Retention for Lithium-Ion Batteries. <i>Batteries</i> , 2021, 7, 69.	4.5	7
11	Simulation and optimisation for thermal debinding of copper MIM parts using thermokinetic analysis. <i>Powder Metallurgy</i> , 2011, 54, 30-35.	1.7	5
12	CuSO ₄ /[Cu(NH ₃) ₄]SO ₄ -Composite Thermochemical Energy Storage Materials. <i>Nanomaterials</i> , 2020, 10, 2485.	4.1	4
13	Radial Thermal Conductivity Measurements of Cylindrical Lithium-Ion Batteries—An Uncertainty Study of the Pipe Method. <i>Batteries</i> , 2022, 8, 16.	4.5	4
14	Thermal analysis on organic phase change materials for heat storage applications. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	1
15	Sugar Alcohols and Synthetic Derivatives as Phase Change Materials. , 0, , .		1
16	Finite element investigation of backbone binder removal from MIM copper compact. <i>Powder Metallurgy</i> , 2012, 55, 333-339.	1.7	0
17	Thermophysical and Spectroscopical Characterization of New Materials for Solar Thermal Applications. , 2011, , .		0
18	Thermophysical Properties of a Subsoil Drill Core for Geothermal Energy Applications. <i>Processes</i> , 2022, 10, 496.	2.8	0