

Marie Duquesne

List of Publications by Year in descending order

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papers

473
citations

687363

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docs citations

32
times ranked

342
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of different sugar alcohols as phase change materials for thermal energy storage applications. <i>Solar Energy Materials and Solar Cells</i> , 2017, 159, 560-569.	6.2	131
2	Experimental and in silico characterization of xylitol as seasonal heat storage material. <i>Fluid Phase Equilibria</i> , 2017, 436, 55-68.	2.5	34
3	Modeling of a nonlinear thermochemical energy storage by adsorption on zeolites. <i>Applied Thermal Engineering</i> , 2014, 71, 469-480.	6.0	31
4	Biosourced organic materials for latent heat storage: An economic and eco-friendly alternative. <i>Energy</i> , 2019, 188, 116067.	8.8	28
5	Influence of Coil Power Ranges on the E-Liquid Consumption in Vaping Devices. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1853.	2.6	23
6	Nucleation Triggering of Highly Undercooled Xylitol Using an Air Lift Reactor for Seasonal Thermal Energy Storage. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 267.	2.5	20
7	Review on the Integration of Phase Change Materials in Building Envelopes for Passive Latent Heat Storage. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9305.	2.5	20
8	Bubble agitation as a new low-intrusive method to crystallize glass-forming materials. <i>Energy Procedia</i> , 2017, 139, 352-357.	1.8	19
9	Investigation of a novel bio-based phase change material hemp concrete for passive energy storage in buildings. <i>Applied Thermal Engineering</i> , 2022, 212, 118620.	6.0	19
10	Impact of Vaping Regimens on Electronic Cigarette Efficiency. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4753.	2.6	18
11	Analysis of crystal growth kinetics in undercooled melts by infrared thermography. <i>Quantitative InfraRed Thermography Journal</i> , 2015, 12, 237-251.	4.2	16
12	Hydrophobised carbon foams for improved long-term seasonal solar thermal energy storage. <i>Solar Energy Materials and Solar Cells</i> , 2021, 220, 110849.	6.2	16
13	Crystal growth kinetics of sugar alcohols as phase change materials for thermal energy storage. <i>Energy Procedia</i> , 2017, 139, 315-321.	1.8	14
14	Characterization of Fatty Acids as Biobased Organic Materials for Latent Heat Storage. <i>Materials</i> , 2021, 14, 4707.	2.9	13
15	Experimental analysis of heterogeneous nucleation in undercooled melts by infrared thermography. <i>Quantitative InfraRed Thermography Journal</i> , 2015, 12, 112-126.	4.2	12
16	Phase Diagrams of Fatty Acids as Biosourced Phase Change Materials for Thermal Energy Storage. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1067.	2.5	12
17	Experimental Method of Emission Generation Calibration Based on Reference Liquids Characterization. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2262.	2.6	10
18	Improved infrared thermography method for fast estimation of complex phase diagrams. <i>Thermochimica Acta</i> , 2019, 675, 84-91.	2.7	8

#	ARTICLE	IF	CITATIONS
19	A fast and low-cost dynamic calorimetric method for phase diagram estimation of binary systems. Journal of Thermal Analysis and Calorimetry, 2021, 143, 587-598.	3.6	6
20	Microscopic infrared thermography for fast estimation of the thermal properties of thin films. Journal of Applied Physics, 2018, 124, 085111.	2.5	5
21	Applications of an infrared thermography method for solid-liquid equilibria modeling of organic binary systems. Thermochemica Acta, 2020, 687, 178580.	2.7	3
22	Performance analysis of the infrared thermography method for complex phase diagrams estimation. Journal of Thermal Analysis and Calorimetry, 2021, 143, 3577-3587.	3.6	3
23	Highlighting Specific Features to Reduce Chemical and Thermal Risks of Electronic Cigarette Use through a Technical Classification of Devices. Applied Sciences (Switzerland), 2021, 11, 5254.	2.5	3
24	Applicability of Infrared Thermography for the Detection of Phase Transitions in Metal Alloys. Applied Sciences (Switzerland), 2021, 11, 8885.	2.5	2
25	High-throughput experiment for the rapid screening of organic phase change materials. Journal of Thermal Analysis and Calorimetry, 2022, 147, 8137-8143.	3.6	2
26	Crack formation and self-healing behavior during the drying of alumina gels: Experimental studies. Drying Technology, 2016, 34, 1501-1509.	3.1	1
27	Li4Br(OH)3 microstructure monitoring over its synthesis to tackle the lithium-based salts exploitation challenges as advanced phase change materials for storage technologies. Materials and Design, 2020, 196, 109160.	7.0	1
28	Analysis of crystal growth kinetics of meta-stable phases in undercooled melts by infrared thermography. , 2014, , .		1
29	On the Use of Infrared Thermography for the Estimation of Melting Enthalpy. Applied Sciences (Switzerland), 2021, 11, 5915.	2.5	0
30	THERMODYNAMIC MODELING AND EXPERIMENTAL VALIDATION OF FATTY ORGANIC SYSTEMS SOLID-LIQUID EQUILIBRIUM. , 2019, , .		0