

Alper Bier

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

24
papers

1,963
citations

18
h-index

24
g-index

24
ext. papers

2,226
ext. citations

5.4
avg, IF

5.39
L-index

#	Paper	IF	Citations
24	Form-Stabilized Polyethylene Glycol/Palygorskite Composite Phase Change Material: Thermal Energy Storage Properties, Cycling Stability, and Thermal Durability. <i>Polymer Engineering and Science</i> , 2020 , 60, 909-916	2.3	18
23	Thermal energy storage properties of polyethylene glycol grafted styrenic copolymer as novel solid-solid phase change materials. <i>International Journal of Energy Research</i> , 2020 , 44, 3976-3989	4.5	13
22	Poly(styrene-co-maleic anhydride)-graft-fatty acids as novel solid-solid PCMs for thermal energy storage. <i>Polymer Engineering and Science</i> , 2019 , 59, E337	2.3	7
21	Thermal energy storage characteristics of myristic acid-palmitic eutectic mixtures encapsulated in PMMA shell. <i>Solar Energy Materials and Solar Cells</i> , 2019 , 193, 1-6	6.4	37
20	Effects of carbon nanotubes additive on thermal conductivity and thermal energy storage properties of a novel composite phase change material. <i>Journal of Composite Materials</i> , 2019 , 53, 2967-2980	2.7	26
19	Preparation, Characterization and Thermal Energy Storage Properties of Micro/Nano Encapsulated Phase Change Material with Acrylic-Based Polymer. <i>Polymer Science - Series B</i> , 2018 , 60, 58-68	0.8	10
18	Diatomite/CNTs/PEG composite PCMs with shape-stabilized and improved thermal conductivity: Preparation and thermal energy storage properties. <i>Energy and Buildings</i> , 2018 , 164, 166-175	7	109
17	Microencapsulated n-alkane eutectics in polystyrene for solar thermal applications. <i>Solar Energy</i> , 2018 , 160, 32-42	6.8	43
16	Silica fume/capric acid-palmitic acid composite phase change material doped with CNTs for thermal energy storage. <i>Solar Energy Materials and Solar Cells</i> , 2018 , 179, 353-361	6.4	82
15	Thermal energy storage characteristics of poly(styrene-co-maleic anhydride)-graft-PEG as polymeric solid-solid phase change materials. <i>Solar Energy Materials and Solar Cells</i> , 2017 , 161, 219-225	6.4	53
14	Thermal characteristics of expanded perlite/paraffin composite phase change material with enhanced thermal conductivity using carbon nanotubes. <i>Energy Conversion and Management</i> , 2017 , 134, 373-381	10.6	341
13	Thermal energy storage characteristics of micro-nanoencapsulated heneicosane and octacosane with poly(methylmethacrylate) shell. <i>Journal of Microencapsulation</i> , 2016 , 33, 221-8	3.4	28
12	Micro/nanoencapsulated n-nonadecane with poly(methyl methacrylate) shell for thermal energy storage. <i>Energy Conversion and Management</i> , 2014 , 86, 614-621	10.6	87
11	Latent heat energy storage characteristics of building composites of bentonite clay and pumice sand with different organic PCMs. <i>International Journal of Energy Research</i> , 2014 , 38, 1478-1491	4.5	51
10	New kinds of energy-storing building composite PCMs for thermal energy storage. <i>Energy Conversion and Management</i> , 2013 , 69, 148-156	10.6	41
9	Development, Characterization, and Latent Heat Thermal Energy Storage Properties of Neopentyl Glycol-Fatty Acid Esters as New Solid-Liquid PCMs. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 18269-18275	3.9	8
8	Preparation and thermal energy storage properties of building material-based composites as novel form-stable PCMs. <i>Energy and Buildings</i> , 2012 , 51, 73-83	7	69

7	Synthesis and thermal properties of polystyrene-graft-PEG copolymers as new kinds of solid-solid phase change materials for thermal energy storage. <i>Materials Chemistry and Physics</i> , 2012 , 133, 87-94	4.4	115
6	Thermal energy storage properties and thermal reliability of some fatty acid esters/building material composites as novel form-stable PCMs. <i>Solar Energy Materials and Solar Cells</i> , 2012 , 101, 114-122	6.4	149
5	Synthesis and thermal energy storage properties of xylitol pentastearate and xylitol pentapalmitate as novel solid-liquid PCMs. <i>Solar Energy Materials and Solar Cells</i> , 2012 , 102, 125-130	6.4	32
4	Thermal energy storage by poly(styrene-co-p-stearoylstyrene) copolymers produced by the modification of polystyrene. <i>Journal of Applied Polymer Science</i> , 2012 , 125, 3447-3455	2.9	16
3	Polyethylene glycol (PEG)/diatomite composite as a novel form-stable phase change material for thermal energy storage. <i>Solar Energy Materials and Solar Cells</i> , 2011 , 95, 1647-1653	6.4	497
2	Galactitol hexa stearate and galactitol hexa palmitate as novel solid-liquid phase change materials for thermal energy storage. <i>Solar Energy</i> , 2011 , 85, 2061-2071	6.8	40
1	Synthesis, characterization, thermal properties of a series of stearic acid esters as novel solid-liquid phase change materials. <i>Materials Letters</i> , 2009 , 63, 1213-1216	3.3	91