

Ali Karaipekli

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.

31 papers	5,245 citations	27 h-index	31 g-index
31 ext. papers	5,754 ext. citations	6.5 avg, IF	6.15 L-index

#	Paper	IF	Citations
31	The stability and thermophysical properties of a thermal fluid containing surface-functionalized nanoencapsulated PCM. <i>Thermochimica Acta</i> , 2019 , 682, 178406	2.9	15
30	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
29	Preparation, characterization and thermal regulation performance of cement based-composite phase change material. <i>Solar Energy Materials and Solar Cells</i> , 2018 , 174, 523-529	6.4	67
28	Heat transfer performance of water and Nanoencapsulated n-nonadecane based Nanofluids in a double pipe heat exchanger. <i>Heat and Mass Transfer</i> , 2017 , 53, 3399-3408	2.2	9
27	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
26	Thermal regulating performance of gypsum/(C18H ₃₈) composite phase change material (CPCM) for building energy storage applications. <i>Applied Thermal Engineering</i> , 2016 , 107, 55-62	5.8	44
25	Development and thermal performance of pumice/organic PCM/gypsum composite plasters for thermal energy storage in buildings. <i>Solar Energy Materials and Solar Cells</i> , 2016 , 149, 19-28	6.4	122
24	Thermal Conductivity and Viscosity of Nanofluids Having Nanoencapsulated Phase Change Material. <i>Nanoscale and Microscale Thermophysical Engineering</i> , 2016 , 20, 85-96	3.7	48
23	Preparation and Characterization of Nanoencapsulated n-Nonadecane for Convective Heat Transfer 2015 , 403-411		2
22	Fatty acid esters-based composite phase change materials for thermal energy storage in buildings. <i>Applied Thermal Engineering</i> , 2012 , 37, 208-216	5.8	80
21	Synthesis and thermal energy storage characteristics of polystyrene-graft-palmitic acid copolymers as solid-solid phase change materials. <i>Solar Energy Materials and Solar Cells</i> , 2011 , 95, 3195-3201	6.4	83
20	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
19	Preparation and characterization of fatty acid ester/building material composites for thermal energy storage in buildings. <i>Energy and Buildings</i> , 2011 , 43, 1952-1959	7	67
18	Preparation, thermal properties and thermal reliability of microencapsulated n-eicosane as novel phase change material for thermal energy storage. <i>Energy Conversion and Management</i> , 2011 , 52, 687-692	10.6	246
17	Preparation, characterization and thermal properties of PMMA/n-heptadecane microcapsules as novel solid-liquid microPCM for thermal energy storage. <i>Applied Energy</i> , 2010 , 87, 1529-1534	10.7	242
16	Preparation, thermal properties and thermal reliability of eutectic mixtures of fatty acids/expanded vermiculite as novel form-stable composites for energy storage. <i>Journal of Industrial and Engineering Chemistry</i> , 2010 , 16, 767-773	6.3	153
15	Synthesis, thermal energy storage properties and thermal reliability of some fatty acid esters with glycerol as novel solid-liquid phase change materials. <i>Solar Energy Materials and Solar Cells</i> , 2010 , 94, 1711-1715	6.4	71

14	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
13	Poly(ethylene glycol)/poly(methyl methacrylate) blends as novel form-stable phase-change materials for thermal energy storage. <i>Journal of Applied Polymer Science</i> , 2009 , 116, n/a-n/a	2.9	4
12	Preparation, thermal properties and thermal reliability of palmitic acid/expanded graphite composite as form-stable PCM for thermal energy storage. <i>Solar Energy Materials and Solar Cells</i> , 2009 , 93, 571-576	6.4	325
11	Capric-thyristic acid/vermiculite composite as form-stable phase change material for thermal energy storage. <i>Solar Energy</i> , 2009 , 83, 323-332	6.8	264
10	Microencapsulated n-octacosane as phase change material for thermal energy storage. <i>Solar Energy</i> , 2009 , 83, 1757-1763	6.8	268
9	Preparation, characterization, and thermal properties of microencapsulated phase change material for thermal energy storage. <i>Solar Energy Materials and Solar Cells</i> , 2009 , 93, 143-147	6.4	322
8	Preparation, characterization and thermal properties of lauric acid/expanded perlite as novel form-stable composite phase change material. <i>Chemical Engineering Journal</i> , 2009 , 155, 899-904	14.7	196
7	Preparation, characterization and thermal properties of styrene maleic anhydride copolymer (SMA)/fatty acid composites as form stable phase change materials. <i>Energy Conversion and Management</i> , 2008 , 49, 373-380	10.6	90
6	Preparation, thermal properties and thermal reliability of capric acid/expanded perlite composite for thermal energy storage. <i>Materials Chemistry and Physics</i> , 2008 , 109, 459-464	4.4	187
5	Preparation and thermal properties of capric acid/palmitic acid eutectic mixture as a phase change energy storage material. <i>Materials Letters</i> , 2008 , 62, 903-906	3.3	62
4	Capric-thyristic acid/expanded perlite composite as form-stable phase change material for latent heat thermal energy storage. <i>Renewable Energy</i> , 2008 , 33, 2599-2605	8.1	229
3	Capric acid and stearic acid mixture impregnated with gypsum wallboard for low-temperature latent heat thermal energy storage. <i>International Journal of Energy Research</i> , 2008 , 32, 154-160	4.5	97
2	Thermal conductivity and latent heat thermal energy storage characteristics of paraffin/expanded graphite composite as phase change material. <i>Applied Thermal Engineering</i> , 2007 , 27, 1271-1277	5.8	645
1	Thermal conductivity improvement of stearic acid using expanded graphite and carbon fiber for energy storage applications. <i>Renewable Energy</i> , 2007 , 32, 2201-2210	8.1	269