

# Ahmet Sari

## List of Publications by Citations

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226  
papers

17,622  
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77  
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240  
ext. papers

20,048  
ext. citations

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avg, IF

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#	Paper	IF	Citations
226	Thermal conductivity and latent heat thermal energy storage characteristics of paraffin/expanded graphite composite as phase change material. <i>Applied Thermal Engineering</i> , <b>2007</b> , 27, 1271-1277	5.8	645
225	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> , <b>2011</b> , 95, 1647-1653	6.4	497
224	Form-stable paraffin/high density polyethylene composites as solid-liquid phase change material for thermal energy storage: preparation and thermal properties. <i>Energy Conversion and Management</i> , <b>2004</b> , 45, 2033-2042	10.6	401
223	Thermal characteristics of expanded perlite/paraffin composite phase change material with enhanced thermal conductivity using carbon nanotubes. <i>Energy Conversion and Management</i> , <b>2017</b> , 134, 373-381	10.6	341
222	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> , <b>2009</b> , 93, 571-576	6.4	325
221	Preparation, characterization, and thermal properties of microencapsulated phase change material for thermal energy storage. <i>Solar Energy Materials and Solar Cells</i> , <b>2009</b> , 93, 143-147	6.4	322
220	Kinetic and equilibrium studies of biosorption of Pb(II) and Cd(II) from aqueous solution by macrofungus ( <i>Amanita rubescens</i> ) biomass. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 164, 1004-11	12.8	318
219	Equilibrium, kinetic and thermodynamic studies of adsorption of Pb(II) from aqueous solution onto Turkish kaolinite clay. <i>Journal of Hazardous Materials</i> , <b>2007</b> , 149, 283-91	12.8	314
218	Removal of ammonium ion from aqueous solution by natural Turkish (Yildizeli) zeolite for environmental quality. <i>Journal of Hazardous Materials</i> , <b>2007</b> , 141, 258-63	12.8	275
217	Thermal conductivity improvement of stearic acid using expanded graphite and carbon fiber for energy storage applications. <i>Renewable Energy</i> , <b>2007</b> , 32, 2201-2210	8.1	269
216	Effective adsorption of antimony(III) from aqueous solutions by polyamide-graphene composite as a novel adsorbent. <i>Chemical Engineering Journal</i> , <b>2017</b> , 307, 230-238	14.7	268
215	Microencapsulated n-octacosane as phase change material for thermal energy storage. <i>Solar Energy</i> , <b>2009</b> , 83, 1757-1763	6.8	268
214	Equilibrium, thermodynamic and kinetic studies on biosorption of Pb(II) and Cd(II) from aqueous solution by macrofungus ( <i>Lactarius scrobiculatus</i> ) biomass. <i>Chemical Engineering Journal</i> , <b>2009</b> , 151, 255-261	14.7	267
213	Capric/myristic acid/vermiculite composite as form-stable phase change material for thermal energy storage. <i>Solar Energy</i> , <b>2009</b> , 83, 323-332	6.8	264
212	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> , <b>2011</b> , 52, 687-692	10.6	246
211	Fatty acid/poly(methyl methacrylate) (PMMA) blends as form-stable phase change materials for latent heat thermal energy storage. <i>Solar Energy</i> , <b>2008</b> , 82, 118-124	6.8	243
210	Preparation, characterization and thermal properties of PMMA/n-heptadecane microcapsules as novel solid-liquid microPCM for thermal energy storage. <i>Applied Energy</i> , <b>2010</b> , 87, 1529-1534	10.7	242

209	Biosorption of total chromium from aqueous solution by red algae ( <i>Ceramium virgatum</i> ): equilibrium, kinetic and thermodynamic studies. <i>Journal of Hazardous Materials</i> , <b>2008</b> , 160, 349-55	12.8	238
208	Capric/myristic acid/expanded perlite composite as form-stable phase change material for latent heat thermal energy storage. <i>Renewable Energy</i> , <b>2008</b> , 33, 2599-2605	8.1	229
207	Biosorption of cadmium(II) from aqueous solution by red algae ( <i>Ceramium virgatum</i> ): equilibrium, kinetic and thermodynamic studies. <i>Journal of Hazardous Materials</i> , <b>2008</b> , 157, 448-54	12.8	229
206	Biosorption of Pb(II) and Cd(II) from aqueous solution using green alga ( <i>Ulva lactuca</i> ) biomass. <i>Journal of Hazardous Materials</i> , <b>2008</b> , 152, 302-8	12.8	222
205	Biosorption of Pb(II) and Cr(III) from aqueous solution by lichen ( <i>Parmelina tiliaceae</i> ) biomass. <i>Bioresource Technology</i> , <b>2008</b> , 99, 2972-80	11	219
204	Biosorption of Cd(II) and Cr(III) from aqueous solution by moss ( <i>Hylocomium splendens</i> ) biomass: Equilibrium, kinetic and thermodynamic studies. <i>Chemical Engineering Journal</i> , <b>2008</b> , 144, 1-9	14.7	215
203	Adsorption of Pb(II) and Cr(III) from aqueous solution on Celtek clay. <i>Journal of Hazardous Materials</i> , <b>2007</b> , 144, 41-6	12.8	209
202	Adsorption characteristics of Cu(II) and Pb(II) onto expanded perlite from aqueous solution. <i>Journal of Hazardous Materials</i> , <b>2007</b> , 148, 387-94	12.8	208
201	Polyethylenimine modified activated carbon as novel magnetic adsorbent for the removal of uranium from aqueous solution. <i>Chemical Engineering Research and Design</i> , <b>2017</b> , 117, 218-227	5.5	198
200	Preparation, characterization and thermal properties of lauric acid/expanded perlite as novel form-stable composite phase change material. <i>Chemical Engineering Journal</i> , <b>2009</b> , 155, 899-904	14.7	196
199	Thermal reliability test of some fatty acids as PCMs used for solar thermal latent heat storage applications. <i>Energy Conversion and Management</i> , <b>2003</b> , 44, 2277-2287	10.6	190
198	Effective removal of methylene blue from aqueous solutions using magnetic loaded activated carbon as novel adsorbent. <i>Chemical Engineering Research and Design</i> , <b>2017</b> , 122, 151-163	5.5	187
197	Novel approaches and recent developments on potential applications of phase change materials in solar energy. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 82, 281-323	16.2	187
196	Preparation, thermal properties and thermal reliability of capric acid/expanded perlite composite for thermal energy storage. <i>Materials Chemistry and Physics</i> , <b>2008</b> , 109, 459-464	4.4	187
195	Biosorption of Pb(II) and Ni(II) from aqueous solution by lichen ( <i>Cladonia furcata</i> ) biomass. <i>Biochemical Engineering Journal</i> , <b>2007</b> , 37, 151-158	4.2	182
194	Biosorption of selenium from aqueous solution by green algae ( <i>Cladophora hutchinsiae</i> ) biomass: Equilibrium, thermodynamic and kinetic studies. <i>Chemical Engineering Journal</i> , <b>2010</b> , 158, 200-206	14.7	177
193	Biosorption of palladium(II) from aqueous solution by moss ( <i>Racomitrium lanuginosum</i> ) biomass: equilibrium, kinetic and thermodynamic studies. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 162, 874-9	12.8	157
192	Micro/nano encapsulation of some paraffin eutectic mixtures with poly(methyl methacrylate) shell: Preparation, characterization and latent heat thermal energy storage properties. <i>Applied Energy</i> , <b>2014</b> , 136, 217-227	10.7	156

191	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> , <b>2010</b> , 16, 767-773	6.3	153
190	Global warming and renewable energy sources for sustainable development: A case study in Turkey. <i>Renewable and Sustainable Energy Reviews</i> , <b>2008</b> , 12, 372-396	16.2	153
189	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> , <b>2012</b> , 101, 114-122	6.4	149
188	Polyamide magnetic palygorskite for the simultaneous removal of Hg(II) and methyl mercury; with factorial design analysis. <i>Journal of Environmental Management</i> , <b>2018</b> , 211, 323-333	7.9	144
187	Thermal properties and thermal reliability of eutectic mixtures of some fatty acids as latent heat storage materials. <i>Energy Conversion and Management</i> , <b>2004</b> , 45, 365-376	10.6	137
186	Thermal performance of palmitic acid as a phase change energy storage material. <i>Energy Conversion and Management</i> , <b>2002</b> , 43, 863-876	10.6	135
185	Equilibrium, thermodynamic and kinetic investigations on biosorption of arsenic from aqueous solution by algae ( <i>Maugeotia genuflexa</i> ) biomass. <i>Chemical Engineering Journal</i> , <b>2011</b> , 167, 155-161	14.7	130
184	Characterization of biosorption process of As(III) on green algae <i>Ulothrix cylindricum</i> . <i>Journal of Hazardous Materials</i> , <b>2009</b> , 165, 566-72	12.8	127
183	Biosorptive removal of mercury(II) from aqueous solution using lichen ( <i>Xanthoparmelia conspersa</i> ) biomass: kinetic and equilibrium studies. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 169, 263-70	12.8	127
182	Thermal energy storage characteristics of bentonite-based composite PCMs with enhanced thermal conductivity as novel thermal storage building materials. <i>Energy Conversion and Management</i> , <b>2016</b> , 117, 132-141	10.6	126
181	Response surface optimization, kinetic and thermodynamic studies for effective removal of rhodamine B by magnetic AC/CeO nanocomposite. <i>Journal of Environmental Management</i> , <b>2018</b> , 206, 170-177	7.9	123
180	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> , <b>2016</b> , 149, 19-28	6.4	122
179	Thermal energy storage system using stearic acid as a phase change material. <i>Solar Energy</i> , <b>2001</b> , 71, 365-376	6.8	122
178	Optimization of parameters with experimental design for the adsorption of mercury using polyethylenimine modified-activated carbon. <i>Journal of Environmental Chemical Engineering</i> , <b>2017</b> , 5, 1079-1088	6.8	121
177	Biosorption of As(III) and As(V) from aqueous solution by macrofungus ( <i>Inonotus hispidus</i> ) biomass: equilibrium and kinetic studies. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 164, 1372-8	12.8	120
176	Thermal performance of a eutectic mixture of lauric and stearic acids as PCM encapsulated in the annulus of two concentric pipes. <i>Solar Energy</i> , <b>2002</b> , 72, 493-504	6.8	120
175	Renewable energy potential and utilization in Turkey. <i>Energy Conversion and Management</i> , <b>2003</b> , 44, 459-478	10.6	119
174	Eutectic mixtures of some fatty acids for low temperature solar heating applications: Thermal properties and thermal reliability. <i>Applied Thermal Engineering</i> , <b>2005</b> , 25, 2100-2107	5.8	118

173	Thermal performance of myristic acid as a phase change material for energy storage application. <i>Renewable Energy</i> , <b>2001</b> , 24, 303-317	8.1	118
172	Equilibrium, thermodynamic and kinetic studies on adsorption of Sb(III) from aqueous solution using low-cost natural diatomite. <i>Chemical Engineering Journal</i> , <b>2010</b> , 162, 521-527	14.7	116
171	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> , <b>2012</b> , 133, 87-94	4.4	115
170	Removal of mercury(II) from aqueous solution using moss ( <i>Drepanocladus revolvens</i> ) biomass: equilibrium, thermodynamic and kinetic studies. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 171, 500-7	12.8	114
169	Chitosan-modified vermiculite for As(III) adsorption from aqueous solution: Equilibrium, thermodynamic and kinetic studies. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 219, 937-945	6	114
168	Magnetic activated carbon loaded with tungsten oxide nanoparticles for aluminum removal from waters. <i>Journal of Environmental Chemical Engineering</i> , <b>2017</b> , 5, 2853-2860	6.8	112
167	Diatomite/CNTs/PEG composite PCMs with shape-stabilized and improved thermal conductivity: Preparation and thermal energy storage properties. <i>Energy and Buildings</i> , <b>2018</b> , 164, 166-175	7	109
166	Preparation, characterization and evaluation of bio-based magnetic activated carbon for effective adsorption of malachite green from aqueous solution. <i>Materials Chemistry and Physics</i> , <b>2018</b> , 220, 313-321	4.4	107
165	Micro/nano-encapsulated n-heptadecane with polystyrene shell for latent heat thermal energy storage. <i>Solar Energy Materials and Solar Cells</i> , <b>2014</b> , 126, 42-50	6.4	105
164	Renewable Energy for a Clean and Sustainable Future. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2004</b> , 26, 1119-1129		105
163	Micro/nano encapsulated n-tetracosane and n-octadecane eutectic mixture with polystyrene shell for low-temperature latent heat thermal energy storage applications. <i>Solar Energy</i> , <b>2015</b> , 115, 195-203	6.8	101
162	Poly(ethylene glycol)/acrylic polymer blends for latent heat thermal energy storage. <i>AIChE Journal</i> , <b>2006</b> , 52, 3310-3314	3.6	101
161	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> , <b>2008</b> , 32, 154-160	4.5	97
160	Synthesis, characterization, thermal properties of a series of stearic acid esters as novel solid-liquid phase change materials. <i>Materials Letters</i> , <b>2009</b> , 63, 1213-1216	3.3	91
159	Thermal and heat transfer characteristics in a latent heat storage system using lauric acid. <i>Energy Conversion and Management</i> , <b>2002</b> , 43, 2493-2507	10.6	91
158	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> , <b>2008</b> , 49, 373-380	10.6	90
157	Micro/nanoencapsulated n-nonadecane with poly(methyl methacrylate) shell for thermal energy storage. <i>Energy Conversion and Management</i> , <b>2014</b> , 86, 614-621	10.6	87
156	Synthesis and characterization of micro/nano capsules of PMMA/capric-stearic acid eutectic mixture for low temperature-thermal energy storage in buildings. <i>Energy and Buildings</i> , <b>2015</b> , 90, 106-113	7	85

155	Phase change and heat transfer characteristics of a eutectic mixture of palmitic and stearic acids as PCM in a latent heat storage system. <i>Energy Conversion and Management</i> , <b>2003</b> , 44, 3227-3246	10.6	85
154	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> , <b>2011</b> , 95, 3195-3201	6.4	83
153	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> , <b>2018</b> , 179, 353-361	6.4	82
152	Model selection for global and diffuse radiation over the Central Black Sea (CBS) region of Turkey. <i>Energy Conversion and Management</i> , <b>2005</b> , 46, 605-613	10.6	81
151	Fatty acid esters-based composite phase change materials for thermal energy storage in buildings. <i>Applied Thermal Engineering</i> , <b>2012</b> , 37, 208-216	5.8	80
150	Preparation, Thermal Properties and Thermal Reliability of Form-Stable Paraffin/Polypropylene Composite for Thermal Energy Storage. <i>Journal of Polymers and the Environment</i> , <b>2009</b> , 17, 254-258	4.5	79
149	Fabrication and thermal characterization of kaolin-based composite phase change materials for latent heat storage in buildings. <i>Energy and Buildings</i> , <b>2015</b> , 96, 193-200	7	77
148	Global advancement on experimental and thermal analysis of evacuated tube collector with and without heat pipe systems and possible applications. <i>Applied Energy</i> , <b>2018</b> , 228, 351-389	10.7	74
147	Preparation, characterization and latent heat thermal energy storage properties of micro-nanoencapsulated fatty acids by polystyrene shell. <i>Applied Thermal Engineering</i> , <b>2014</b> , 73, 1160-1168	5.8	73
146	Composites of polyethylene glycol (PEG600) with gypsum and natural clay as new kinds of building PCMs for low temperature-thermal energy storage. <i>Energy and Buildings</i> , <b>2014</b> , 69, 184-192	7	71
145	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> , <b>2010</b> , 94, 1711-1715	6.4	71
144	Equilibrium, thermodynamic and kinetic investigations for biosorption of uranium with green algae ( <i>Cladophora hutchinsiae</i> ). <i>Journal of Environmental Radioactivity</i> , <b>2017</b> , 175-176, 7-14	2.4	70
143	Adsorption of silver from aqueous solution onto raw vermiculite and manganese oxide-modified vermiculite. <i>Microporous and Mesoporous Materials</i> , <b>2013</b> , 170, 155-163	5.3	70
142	Thermal characteristics of a eutectic mixture of myristic and palmitic acids as phase change material for heating applications. <i>Applied Thermal Engineering</i> , <b>2003</b> , 23, 1005-1017	5.8	70
141	Preparation and thermal energy storage properties of building material-based composites as novel form-stable PCMs. <i>Energy and Buildings</i> , <b>2012</b> , 51, 73-83	7	69
140	Adsorption Characteristics of Mercury(II) Ions from Aqueous Solution onto Chitosan-Coated Diatomite. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 7524-7533	3.9	67
139	Preparation, characterization and thermal regulation performance of cement based-composite phase change material. <i>Solar Energy Materials and Solar Cells</i> , <b>2018</b> , 174, 523-529	6.4	67
138	Equilibrium, thermodynamic and kinetic studies on aluminum biosorption from aqueous solution by brown algae ( <i>Padina pavonica</i> ) biomass. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 171, 973-9	12.8	67

137	Preparation and characterization of fatty acid ester/building material composites for thermal energy storage in buildings. <i>Energy and Buildings</i> , <b>2011</b> , 43, 1952-1959	7	67
136	Cd(II) adsorption from aqueous solution by raw and modified kaolinite. <i>Applied Clay Science</i> , <b>2014</b> , 88-89, 63-72	5.2	66
135	Adsorption thermodynamics of stearic acid onto bentonite. <i>Journal of Hazardous Materials</i> , <b>2006</b> , 135, 226-31	12.8	63
134	Thermal Characteristics of Paraffin/Expanded Perlite Composite for Latent Heat Thermal Energy Storage. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2009</b> , 31, 814-823	1.6	62
133	Preparation and thermal properties of capric acid/palmitic acid eutectic mixture as a phase change energy storage material. <i>Materials Letters</i> , <b>2008</b> , 62, 903-906	3.3	62
132	Antimony(III) Adsorption from Aqueous Solution Using Raw Perlite and Mn-Modified Perlite: Equilibrium, Thermodynamic, and Kinetic Studies. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 6877-6886	3.9	57
131	Temperature distributions in trapezoidal built in storage solar water heaters with/without phase change materials. <i>Energy Conversion and Management</i> , <b>2006</b> , 47, 2143-2154	10.6	56
130	Polystyrene microcapsules with palmitic-capric acid eutectic mixture as building thermal energy storage materials. <i>Energy and Buildings</i> , <b>2017</b> , 150, 376-382	7	55
129	Biosorption of antimony from aqueous solution by lichen ( <i>Physcia tribacia</i> ) biomass. <i>Chemical Engineering Journal</i> , <b>2010</b> , 163, 382-388	14.7	55
128	Eutectic mixtures of some fatty acids for latent heat storage: Thermal properties and thermal reliability with respect to thermal cycling. <i>Energy Conversion and Management</i> , <b>2006</b> , 47, 1207-1221	10.6	55
127	Thermal energy storage properties of mannitol/fatty acid esters as novel organic solid-liquid phase change materials. <i>Energy Conversion and Management</i> , <b>2012</b> , 64, 68-78	10.6	54
126	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> , <b>2017</b> , 161, 219-225	6.4	53
125	Lauric and palmitic acids eutectic mixture as latent heat storage material for low temperature heating applications. <i>Energy</i> , <b>2005</b> , 30, 677-692	7.9	52
124	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> , <b>2014</b> , 38, 1478-1491	4.5	51
123	Synthesis of silica nanoparticles grafted with copolymer of acrylic acrylamide for ultra-removal of methylene blue from aquatic solutions. <i>European Polymer Journal</i> , <b>2020</b> , 130, 109698	5.2	50
122	Preparation, characterization, thermal energy storage properties and temperature control performance of form-stabilized sepiolite based composite phase change materials. <i>Energy and Buildings</i> , <b>2019</b> , 188-189, 111-119	7	50
121	High Density Polyethylene/Paraffin Composites as Form-stable Phase Change Material for Thermal Energy Storage. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2007</b> , 29, 261-270	1.6	49
120	Thermal Energy Storage System Using a Technical Grade Paraffin Wax as Latent Heat Energy Storage Material. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2005</b> , 27, 1535-1546		48

119	Thermal performance of phase change material integrated heat pipe evacuated tube solar collector system: An experimental assessment. <i>Energy Conversion and Management</i> , <b>2020</b> , 203, 112205	10.6	48
118	Kinetic and equilibrium studies of Pb(II) and Cd(II) removal from aqueous solution onto colemanite ore waste. <i>Desalination</i> , <b>2009</b> , 249, 260-266	10.3	47
117	Preparation and thermal properties of ethylene glycole distearate as a novel phase change material for energy storage. <i>Materials Letters</i> , <b>2008</b> , 62, 1122-1125	3.3	47
116	Synthesis and Thermal Energy Storage Properties of Erythritol Tetrastearate and Erythritol Tetrapalmitate. <i>Chemical Engineering and Technology</i> , <b>2011</b> , 34, 87-92	2	45
115	Second Law Analysis of Various Types of Coal and Woody Biomass in Turkey. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2004</b> , 26, 1083-1094		45
114	Thermal regulating performance of gypsum/(C18 $\Omega$ 24) composite phase change material (CPCM) for building energy storage applications. <i>Applied Thermal Engineering</i> , <b>2016</b> , 107, 55-62	5.8	44
113	Eudragit S (methyl methacrylate methacrylic acid copolymer)/fatty acid blends as form-stable phase change material for latent heat thermal energy storage. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 101, 1402-1406	2.9	44
112	Microencapsulated n-alkane eutectics in polystyrene for solar thermal applications. <i>Solar Energy</i> , <b>2018</b> , 160, 32-42	6.8	43
111	Renewable Energy Sources in the European Union: Markets and Capacity. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , <b>2007</b> , 2, 19-29	3.1	42
110	Lauric and myristic acids eutectic mixture as phase change material for low-temperature heating applications. <i>International Journal of Energy Research</i> , <b>2005</b> , 29, 857-870	4.5	42
109	New kinds of energy-storing building composite PCMs for thermal energy storage. <i>Energy Conversion and Management</i> , <b>2013</b> , 69, 148-156	10.6	41
108	Biosorption of As(III) and As(V) from Aqueous Solution by Lichen ( <i>Xanthoria parietina</i> ) Biomass. <i>Separation Science and Technology</i> , <b>2010</b> , 45, 463-471	2.5	40
107	Galactitol hexa stearate and galactitol hexa palmitate as novel solid $\Omega$ liquid phase change materials for thermal energy storage. <i>Solar Energy</i> , <b>2011</b> , 85, 2061-2071	6.8	40
106	Removal of Cr(VI) From Aqueous Solution by Turkish Vermiculite: Equilibrium, Thermodynamic and Kinetic Studies. <i>Separation Science and Technology</i> , <b>2008</b> , 43, 3563-3581	2.5	38
105	Thermal Energy Storage System Using Some Fatty Acids as Latent Heat Energy Storage Materials. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2001</b> , 23, 275-285		38
104	Encapsulated Fatty Acids in an Acrylic Resin as Shape-stabilized Phase Change Materials for Latent Heat Thermal Energy Storage. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2008</b> , 30, 1050-1059	1.6	37
103	Thermal energy storage characteristics of myristic acid-palmitic eutectic mixtures encapsulated in PMMA shell. <i>Solar Energy Materials and Solar Cells</i> , <b>2019</b> , 193, 1-6	6.4	37
102	Facile synthesis of zinc oxide nanoparticles loaded activated carbon as an eco-friendly adsorbent for ultra-removal of malachite green from water. <i>Environmental Technology and Innovation</i> , <b>2021</b> , 21, 101305	7	36



101	Fatty Acid/Expanded Graphite Composites as Phase Change Material for Latent Heat Thermal Energy Storage. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2008</b> , 30, 464-474	1.6	35
100	Experimental performance evaluation of a novel designed phase change material integrated manifold heat pipe evacuated tube solar collector system. <i>Energy Conversion and Management</i> , <b>2019</b> , 198, 111896	10.6	33
99	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> , <b>2012</b> , 102, 125-130	6.4	32
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