Ahmet SarI

List of Publications by Year in Descending Order

226 papers	17,622 citations	77 h-index	128 g-index
240 ext. papers	20,048 ext. citations	6.3 avg, IF	7.57 L-index

#	Paper	IF	Citations
226	Effect of simultaneous & consecutive melting/solidification of phase change material on domestic solar water heating system. *Renewable Energy*, **2022**, 188, 329-329	8.1	1
225	Cement based-thermal energy storage mortar including blast furnace slag/capric acid shape-stabilized phase change material: Physical, mechanical, thermal properties and solar thermoregulation performance. *Energy and Buildings*, **2022**, 258, 111849	7	5
224	Synthesis of carbon modified with polymer of diethylenetriamine and trimesoyl chloride for the dual removal of Hg (II) and methyl mercury ([CH3Hg]+) from wastewater: Theoretical and experimental analyses. *Materials Chemistry and Physics*, **2022**, 277, 125501	4.4	3
223	Thermal conductivity enhancement of silica fume based composite thermal energy storage material using different carbon nanomaterials. *Energy and Buildings*, **2022**, 257, 111789	7	0
222	A comprehensive review on phase change materials for heat storage applications: Development, characterization, thermal and chemical stability. *Solar Energy Materials and Solar Cells*, **2022**, 234, 111392	6.4	15
221	Production and characterization of natural clay-free green building brick materials using water treatment sludge and oak wood ash. *Archives of Civil and Mechanical Engineering*, **2022**, 22, 1	3.4	2
220	Metal Oxide Nanoparticle Dispersed-Polyethylene Glycol: Thermal Conductivity and Thermal Energy Storage Properties. *Energy & Fuels*, **2022**, 36, 2821-2832	4.1	0
219	CuO Nanoparticle@Polystyrene Hierarchical Porous Foam for the Effective Encapsulation of Octadecanol as a Phase Changing Thermal Energy Storage Material. *Energy & Fuels*, **2022**, 36, 3293-3303	4.1	0
218	Utilization of waste apricot kernel shell derived-activated carbon as carrier framework for effective shape-stabilization and thermal conductivity enhancement of organic phase change materials used for thermal energy storage. *Powder Technology*, **2022**, 117291	5.2	1
217	Investigation of physico-mechanical, thermal properties and solar thermoregulation performance of shape-stable attapulgite based composite phase change material in foam concrete. *Solar Energy*, **2022**, 236, 51-62	6.8	1
216	Capric-stearic acid mixture impregnated carbonized waste sugar beet pulp as leak-resistive composite phase change material with effective thermal conductivity and thermal energy storage performance. *Energy*, **2022**, 247, 123501	7.9	1
215	Bio-Based Phase Change Materials for Wooden Building Applications. *Forests*, **2022**, 13, 603	2.8	1
214	Glass fiber reinforced gypsum composites with microencapsulated PCM as novel building thermal energy storage material. *Construction and Building Materials*, **2022**, 340, 127788	6.7	3
213	Activated carbon nanotube/polyacrylic acid/stearyl alcohol nanocomposites as thermal energy storage effective shape-stabilized phase change materials. *Surfaces and Interfaces*, **2022**, 102088	4.1	
212	Eco-friendly building materials containing micronized expanded vermiculite and phase change material for solar based thermo-regulation applications. *Construction and Building Materials*, **2021**, 308, 125062	6.7	5
211	A novel energy-effective and carbon-emission reducing mortars with bottom ash and phase change material: Physico-mechanical and thermal energy storage characteristics. *Journal of Energy Storage*, **2021**, 44, 103325	7.8	2
210	Development and characterization of polymer-modified vermiculite composite as novel highly-efficient adsorbent for water treatment. *Surfaces and Interfaces*, **2021**, 27, 101504	4.1	4

209	Effects of carbon-based fillers on thermal properties of fatty acids and their eutectics as phase change materials used for thermal energy storage: A Review. *Journal of Energy Storage*, **2021**, 35, 102329	7.8	15
208	Thermal management performance and mechanical properties of a novel cementitious composite containing fly ash/lauric acid-myristic acid as form-stable phase change material. *Construction and Building Materials*, **2021**, 274, 122105	6.7	24
207	Walnut shell derived bio-carbon/methyl palmitate as novel composite phase change material with enhanced thermal energy storage properties. *Journal of Energy Storage*, **2021**, 35, 102288	7.8	15
206	Microencapsulated heptadecane with calcium carbonate as thermal conductivity-enhanced phase change material for thermal energy storage. *Journal of Molecular Liquids*, **2021**, 328, 115508	6	17
205	Experimental investigation of microalgal harvesting with low cost bottom ash: Influence of temperature and pH with zeta potential and thermodynamic function. *Environmental Technology and Innovation*, **2021**, 22, 101376	7	7
204	Evaluation of poly(ethylene diamine-trimesoyl chloride)-modified diatomite as efficient adsorbent for removal of rhodamine B from wastewater samples. *Environmental Science and Pollution Research*, **2021**, 28, 55655-55666	5.1	4
203	Energetic and exergetic assessment of two- and three-stage spray drying units for milk processing industry. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, **2021**, 43, 1	2	3
202	High internal phase emulsion templated-polystyrene/carbon nano fiber/hexadecanol composites phase change materials for thermal management applications. *Journal of Energy Storage*, **2021**, 39, 102674	7.8	7
201	Facile synthesis of zinc oxide nanoparticles loaded activated carbon as an eco-friendly adsorbent for ultra-removal of malachite green from water. *Environmental Technology and Innovation*, **2021**, 21, 101305	7	36
200	Silica fume/capric acid-stearic acid PCM included-cementitious composite for thermal controlling of buildings: Thermal energy storage and mechanical properties. *Energy*, **2021**, 219, 119588	7.9	29
199	Fly Ash/Octadecane Shape-Stabilized Composite PCMs Doped with Carbon-Based Nanoadditives for Thermal Regulation Applications. *Energy & Fuels*, **2021**, 35, 1786-1795	4.1	10
198	Carbonized waste hazelnut wood-based shape-stable composite phase change materials for thermal management implementations. *International Journal of Energy Research*, **2021**, 45, 10271-10284	4.5	11
197	Utilization of Chlorella pyrenoidosa for Remediation of Common Effluent Treatment Plant Wastewater in Coupling with Co-relational Study: An Experimental Approach. *Bulletin of Environmental Contamination and Toxicology*, **2021**, 1	2.7	1
196	Development and characterization of bentonite-gum arabic composite as novel highly-efficient adsorbent to remove thorium ions from aqueous media. *Cellulose*, **2021**, 28, 10321	5.5	5
195	Phase change material based advance solar thermal energy storage systems for building heating and cooling applications: A prospective research approach. *Sustainable Energy Technologies and Assessments*, **2021**, 47, 101318	4.7	8
194	Porous biochar/heptadecane composite phase change material with leak-proof, high thermal energy storage capacity and enhanced thermal conductivity. *Powder Technology*, **2021**, 394, 1017-1025	5.2	4
193	Novel approach for harvesting of microalgal biomass using electric geyser waste material deposit as flocculant in coupling with poultry excreta leachate. *Bioresource Technology*, **2021**, 341, 125646	11	0
192	Synthesis, characterization and evaluation of carbon nanofiber modified-polymer for ultra-removal of thorium ions from aquatic media. *Chemical Engineering Research and Design*, **2020**, 163, 76-84	5.5	26

191	Thermal energy storage properties and lab-scale thermal performance in cementitious plaster of composite phase change material for energy efficiency of buildings. *Environmental Progress and Sustainable Energy*, **2020**, 39, e13455	2.5	1
190	Interfacial polymerization of trimesoyl chloride with melamine and palygorskite for efficient uranium ions ultra-removal. *Chemical Engineering Research and Design*, **2020**, 159, 353-361	5.5	22
189	Effects of Thermal Cycling Operation on Solar Thermal Energy Storage, Morphology, Chemical/Crystalline Structure, and Thermal Degradation Properties of Some Fatty Alcohols as Organic PCMs. *Energy & Fuels*, **2020**, 34, 9011-9019	4.1	15
188	Evaluation of pumice for development of low-cost and energy-efficient composite phase change materials and lab-scale thermoregulation performances of its cementitious plasters. *Energy*, **2020**, 207, 118242	7.9	21
187	Thermal energy storage and thermal conductivity properties of Octadecanol-MWCNT composite PCMs as promising organic heat storage materials. *Scientific Reports*, **2020**, 10, 9168	4.9	12
186	PCM integrated glass in glass tube solar collector for low and medium temperature applications: Thermodynamic & techno-economic approach. *Energy*, **2020**, 198, 117238	7.9	19
185	Low cost and eco-friendly wood fiber-based composite phase change material: Development, characterization and lab-scale thermoregulation performance for thermal energy storage. *Energy*, **2020**, 195, 116983	7.9	20
184	Form-Stabilized Polyethylene Glycol/Palygorskite Composite Phase Change Material: Thermal Energy Storage Properties, Cycling Stability, and Thermal Durability. *Polymer Engineering and Science*, **2020**, 60, 909-916	2.3	18
183	Synthesis of silica nanoparticles grafted with copolymer of acrylic acrylamide for ultra-removal of methylene blue from aquatic solutions. *European Polymer Journal*, **2020**, 130, 109698	5.2	50
182	Influential bio-removal of mercury using Lactarius acerrimus macrofungus as novel low-cost biosorbent from aqueous solution: Isotherm modeling, kinetic and thermodynamic investigations. *Materials Chemistry and Physics*, **2020**, 249, 123168	4.4	7
181	Thermal performance of phase change material integrated heat pipe evacuated tube solar collector system: An experimental assessment. *Energy Conversion and Management*, **2020**, 203, 112205	10.6	48
180	Evaluation of carbonized waste tire for development of novel shape stabilized composite phase change material for thermal energy storage. *Waste Management*, **2020**, 103, 352-360	8.6	21
179	A cycling study for reliability, chemical stability and thermal durability of polyethylene glycols of molecular weight 2000 and 10000 as organic latent heat thermal energy storage materials. *International Journal of Energy Research*, **2020**, 44, 2183-2195	4.5	12
178	Thermal energy storage and thermal conductivity properties of fatty acid/fatty acid-grafted-CNTs and fatty acid/CNTs as novel composite phase change materials. *Scientific Reports*, **2020**, 10, 15388	4.9	14
177	Phase change material impregnated wood for passive thermal management of timber buildings. *International Journal of Energy Research*, **2020**, 44, 10495-10505	4.5	8
176	Development and characterization of form-stable porous TiO2/tetradecanoic acid based composite PCM with long-term stability as solar thermal energy storage material. *International Journal of Energy Research*, **2020**, 44, 10044-10057	4.5	12
175	Stability and thermal conductivity enhancement of aqueous nanofluid based on surfactant-modified TiO2. *Journal of Dispersion Science and Technology*, **2020**, 41, 374-382	1.5	20
174	Thermal energy storage properties of polyethylene glycol grafted styrenic copolymer as novel solid-solid phase change materials. *International Journal of Energy Research*, **2020**, 44, 3976-3989	4.5	13

173	Experimental performance evaluation of a novel designed phase change material integrated manifold heat pipe evacuated tube solar collector system. *Energy Conversion and Management*, **2019**, 198, 111896	10.6	33
172	Investigation of thermal properties and enhanced energy storage/release performance of silica fume/myristic acid composite doped with carbon nanotubes. *Renewable Energy*, **2019**, 140, 779-788	8.1	28
171	Poly(styrene-co-maleic anhydride)-graft-fatty acids as novel solid□solid PCMs for thermal energy storage. *Polymer Engineering and Science*, **2019**, 59, E337	2.3	7
170	Carbon nanotubes grafted with poly(trimesoyl, m-phenylenediamine) for enhanced removal of phenol. *Journal of Environmental Management*, **2019**, 252, 109660	7.9	20
169	Preparation and characterization of nano-enhanced myristic acid using metal oxide nanoparticles for thermal energy storage. *International Journal of Energy Research*, **2019**, 43, 8592	4.5	13
168	Magnetic vermiculite-modified by poly(trimesoyl chloride-melamine) as a sorbent for enhanced removal of bisphenol A. *Journal of Environmental Chemical Engineering*, **2019**, 7, 103436	6.8	28
167	Preparation, characterization, thermal energy storage properties and temperature control performance of form-stabilized sepiolite based composite phase change materials. *Energy and Buildings*, **2019**, 188-189, 111-119	7	50
166	Thermal energy storage characteristics of myristic acid-palmitic eutectic mixtures encapsulated in PMMA shell. *Solar Energy Materials and Solar Cells*, **2019**, 193, 1-6	6.4	37
165	Effects of carbon nanotubes additive on thermal conductivity and thermal energy storage properties of a novel composite phase change material. *Journal of Composite Materials*, **2019**, 53, 2967-2980	2.7	26
164	Polyamide magnetic palygorskite for the simultaneous removal of Hg(II) and methyl mercury; with factorial design analysis. *Journal of Environmental Management*, **2018**, 211, 323-333	7.9	144
163	Preparation, Characterization and Thermal Energy Storage Properties of Micro/Nano Encapsulated Phase Change Material with Acrylic-Based Polymer. *Polymer Science - Series B*, **2018**, 60, 58-68	0.8	10
162	Diatomite/CNTs/PEG composite PCMs with shape-stabilized and improved thermal conductivity: Preparation and thermal energy storage properties. *Energy and Buildings*, **2018**, 164, 166-175	7	109
161	Microencapsulated n-alkane eutectics in polystyrene for solar thermal applications. *Solar Energy*, **2018**, 160, 32-42	6.8	43
160	Silica fume/capric acid-palmitic acid composite phase change material doped with CNTs for thermal energy storage. *Solar Energy Materials and Solar Cells*, **2018**, 179, 353-361	6.4	82
159	Novel approaches and recent developments on potential applications of phase change materials in solar energy. *Renewable and Sustainable Energy Reviews*, **2018**, 82, 281-323	16.2	187
158	Preparation, characterization and thermal regulation performance of cement based-composite phase change material. *Solar Energy Materials and Solar Cells*, **2018**, 174, 523-529	6.4	67
157	Applications of Thermal Analysis to the Study of Phase-Change Materials. *Handbook of Thermal Analysis and Calorimetry*, **2018**, 6, 519-572		5
156	Effective uranium biosorption by macrofungus (Russula sanguinea) from aqueous solution: equilibrium, thermodynamic and kinetic studies. *Journal of Radioanalytical and Nuclear Chemistry*, **2018**, 317, 1387-1397	1.5	13

155	Response surface optimization, kinetic and thermodynamic studies for effective removal of rhodamine B by magnetic AC/CeO nanocomposite. *Journal of Environmental Management*, **2018**, 206, 170-177	7.9	123
154	Preparation, characterization and evaluation of bio-based magnetic activated carbon for effective adsorption of malachite green from aqueous solution. *Materials Chemistry and Physics*, **2018**, 220, 313-321	4.4	107
153	Energy Storage by PCM for Building Applications **2018**, 995-1023		1
152	Global advancement on experimental and thermal analysis of evacuated tube collector with and without heat pipe systems and possible applications. *Applied Energy*, **2018**, 228, 351-389	10.7	74
151	Optimization of parameters with experimental design for the adsorption of mercury using polyethylenimine modified-activated carbon. *Journal of Environmental Chemical Engineering*, **2017**, 5, 1079-1088	6.8	121
150	Thermal Energy Storage Properties and Laboratory-Scale Thermoregulation Performance of Bentonite/Paraffin Composite Phase Change Material for Energy-Efficient Buildings. *Journal of Materials in Civil Engineering*, **2017**, 29, 04017001	3	15
149	Equilibrium, thermodynamic and kinetic investigations for biosorption of uranium with green algae (Cladophora hutchinsiae). *Journal of Environmental Radioactivity*, **2017**, 175-176, 7-14	2.4	70
148	Polystyrene microcapsules with palmitic-capric acid eutectic mixture as building thermal energy storage materials. *Energy and Buildings*, **2017**, 150, 376-382	7	55
147	Magnetic activated carbon loaded with tungsten oxide nanoparticles for aluminum removal from waters. *Journal of Environmental Chemical Engineering*, **2017**, 5, 2853-2860	6.8	112
146	Application of chitosan-modified pumice for antimony adsorption from aqueous solution. *Environmental Progress and Sustainable Energy*, **2017**, 36, 1587-1596	2.5	9
145	Effective removal of methylene blue from aqueous solutions using magnetic loaded activated carbon as novel adsorbent. *Chemical Engineering Research and Design*, **2017**, 122, 151-163	5.5	187
144	Thermal energy storage characteristics of poly(styrene-co-maleic anhydride)-graft-PEG as polymeric solid–solid phase change materials. *Solar Energy Materials and Solar Cells*, **2017**, 161, 219-225	6.4	53
143	Thermal characteristics of expanded perlite/paraffin composite phase change material with enhanced thermal conductivity using carbon nanotubes. *Energy Conversion and Management*, **2017**, 134, 373-381	10.6	341
142	Polyethylenimine modified activated carbon as novel magnetic adsorbent for the removal of uranium from aqueous solution. *Chemical Engineering Research and Design*, **2017**, 117, 218-227	5.5	198
141	Effective adsorption of antimony(III) from aqueous solutions by polyamide-graphene composite as a novel adsorbent. *Chemical Engineering Journal*, **2017**, 307, 230-238	14.7	268
140	Thermal regulating performance of gypsum/(C18–C24) composite phase change material (CPCM) for building energy storage applications. *Applied Thermal Engineering*, **2016**, 107, 55-62	5.8	44
139	Spinal epidural cavernous hemangioma: a rare site of involvement. *Spine Journal*, **2016**, 16, e251	4	1
138	Development and thermal performance of pumice/organic PCM/gypsum composite plasters for thermal energy storage in buildings. *Solar Energy Materials and Solar Cells*, **2016**, 149, 19-28	6.4	122

137	Thermal energy storage characteristics of bentonite-based composite PCMs with enhanced thermal conductivity as novel thermal storage building materials. *Energy Conversion and Management*, **2016**, 117, 132-141	10.6	126
136	Thermal energy storage characteristics of micro-nanoencapsulated heneicosane and octacosane with poly(methylmethacrylate) shell. *Journal of Microencapsulation*, **2016**, 33, 221-8	3.4	28
135	Chitosan-modified vermiculite for As(III) adsorption from aqueous solution: Equilibrium, thermodynamic and kinetic studies. *Journal of Molecular Liquids*, **2016**, 219, 937-945	6	114
134	Adsorption Characteristics of Mercury(II) Ions from Aqueous Solution onto Chitosan-Coated Diatomite. *Industrial & Engineering Chemistry Research*, **2015**, 54, 7524-7533	3.9	67
133	Fabrication and thermal characterization of kaolin-based composite phase change materials for latent heat storage in buildings. *Energy and Buildings*, **2015**, 96, 193-200	7	77
132	Micro/nano encapsulated n-tetracosane and n-octadecane eutectic mixture with polystyrene shell for low-temperature latent heat thermal energy storage applications. *Solar Energy*, **2015**, 115, 195-203	6.8	101
131	Comparison of dose distributions hippocampus in high grade gliomas irradiation with linac-based imrt and volumetric arc therapy: a dosimetric study. *SpringerPlus*, **2015**, 4, 114		14
130	Thermal Energy Storage Properties of Xylitol Penta Myristate and Xylitol Penta Laurate as Novel Solid-liquid Phase Change Materials. *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*, **2015**, 37, 2702-2709	1.6	6
129	Synthesis and characterization of micro/nano capsules of PMMA/capric-stearic acid eutectic mixture for low temperature-thermal energy storage in buildings. *Energy and Buildings*, **2015**, 90, 106-113	7	85
128	A novel technique in the treatment of retroperitoneal lymphatic leakage: direct percutaneous embolization through the leakage pouch. *Diagnostic and Interventional Radiology*, **2015**, 21, 419-22	3.2	25
127	Composites of polyethylene glycol (PEG600) with gypsum and natural clay as new kinds of building PCMs for low temperature-thermal energy storage. *Energy and Buildings*, **2014**, 69, 184-192	7	71
126	Cd(II) adsorption from aqueous solution by raw and modified kaolinite. *Applied Clay Science*, **2014**, 88-89, 63-72	5.2	66
125	Preparation, characterization and latent heat thermal energy storage properties of micro-nanoencapsulated fatty acids by polystyrene shell. *Applied Thermal Engineering*, **2014**, 73, 1160-1168	5.8	73
124	Micro/nano encapsulation of some paraffin eutectic mixtures with poly(methyl methacrylate) shell: Preparation, characterization and latent heat thermal energy storage properties. *Applied Energy*, **2014**, 136, 217-227	10.7	156
123	Micro/nano-encapsulated n-heptadecane with polystyrene shell for latent heat thermal energy storage. *Solar Energy Materials and Solar Cells*, **2014**, 126, 42-50	6.4	105
122	Giant cell tumor of the occipital bone: A case report and review of the literature. *Oncology Letters*, **2014**, 8, 151-154	2.6	5
121	Micro/nanoencapsulated n-nonadecane with poly(methyl methacrylate) shell for thermal energy storage. *Energy Conversion and Management*, **2014**, 86, 614-621	10.6	87
120	Latent heat energy storage characteristics of building composites of bentonite clay and pumice sand with different organic PCMs. *International Journal of Energy Research*, **2014**, 38, 1478-1491	4.5	51

119	New kinds of energy-storing building composite PCMs for thermal energy storage. *Energy Conversion and Management*, **2013**, 69, 148-156	10.6	41
118	Adsorption of silver from aqueous solution onto raw vermiculite and manganese oxide-modified vermiculite. *Microporous and Mesoporous Materials*, **2013**, 170, 155-163	5.3	70
117	Erythritol Tetra Myristate and Erythritol Tetra Laurate as Novel Phase Change Materials for Low Temperature Thermal Energy Storage. *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*, **2013**, 35, 1285-1295	1.6	18
116	Development, Characterization, and Latent Heat Thermal Energy Storage Properties of Neopentyl Glycol-Fatty Acid Esters as New Solid–Liquid PCMs. *Industrial & Engineering Chemistry Research*, **2013**, 52, 18269-18275	3.9	8
115	Polyethyl Methacrylate (PEMA)/Fatty Acids Blends as Novel Phase Change Materials for Thermal Energy Storage. *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*, **2013**, 35, 1813-1819	1.6	15
114	Coil embolization in 481 ruptured intracranial aneurysms: angiographic and clinical results. *Diagnostic and Interventional Radiology*, **2013**, 19, 165-72	3.2	4
113	Preparation and thermal energy storage properties of building material-based composites as novel form-stable PCMs. *Energy and Buildings*, **2012**, 51, 73-83	7	69
112	Synthesis and thermal properties of polystyrene-graft-PEG copolymers as new kinds of solid–solid phase change materials for thermal energy storage. *Materials Chemistry and Physics*, **2012**, 133, 87-94	4.4	115
111	Thermal energy storage properties and thermal reliability of some fatty acid esters/building material composites as novel form-stable PCMs. *Solar Energy Materials and Solar Cells*, **2012**, 101, 114-122	6.4	149
110	Synthesis and thermal energy storage properties of xylitol pentastearate and xylitol pentapalmitate as novel solid–liquid PCMs. *Solar Energy Materials and Solar Cells*, **2012**, 102, 125-130	6.4	32
109	Thermal energy storage properties of mannitol–fatty acid esters as novel organic solid–liquid phase change materials. *Energy Conversion and Management*, **2012**, 64, 68-78	10.6	54
108	Equilibrium, Thermodynamic and Kinetic Studies on Biosorption of Mercury from Aqueous Solution by Macrofungus (Lycoperdon perlatum) Biomass. *Separation Science and Technology*, **2012**, 47, 1167-1176	2.5	7
107	Synthesis and thermal properties of poly(styrene-co-ally alcohol)-graft-stearic acid copolymers as novel solid–solid PCMs for thermal energy storage. *Solar Energy*, **2012**, 86, 2282-2292	6.8	32
106	Antimony(III) Adsorption from Aqueous Solution Using Raw Perlite and Mn-Modified Perlite: Equilibrium, Thermodynamic, and Kinetic Studies. *Industrial & Engineering Chemistry Research*, **2012**, 51, 6877-6886	3.9	57
105	Preparation and thermal energy storage properties of poly(n-butyl methacrylate)/fatty acids composites as form-stable phase change materials. *Polymer Composites*, **2012**, 33, 92-98	3	18
104	Thermal energy storage by poly(styrene-co-p-stearoylstyrene) copolymers produced by the modification of polystyrene. *Journal of Applied Polymer Science*, **2012**, 125, 3447-3455	2.9	16
103	Fatty acid esters-based composite phase change materials for thermal energy storage in buildings. *Applied Thermal Engineering*, **2012**, 37, 208-216	5.8	80
102	Synthesis and thermal energy storage characteristics of polystyrene-graft-palmitic acid copolymers as solid–solid phase change materials. *Solar Energy Materials and Solar Cells*, **2011**, 95, 3195-3201	6.4	83

101	Synthesis and thermal energy storage properties of ethylene dilauroyl, dimyristoyl, and dipalmitoyl amides as novel solid–liquid phase change materials. *Solar Energy Materials and Solar Cells*, **2011**, 95, 1203-1207	6.4	21
100	Polyethylene glycol (PEG)/diatomite composite as a novel form-stable phase change material for thermal energy storage. *Solar Energy Materials and Solar Cells*, **2011**, 95, 1647-1653	6.4	497
99	Synthesis and Thermal Energy Storage Properties of Erythritol Tetrastearate and Erythritol Tetrapalmitate. *Chemical Engineering and Technology*, **2011**, 34, 87-92	2	45
98	Equilibrium, thermodynamic and kinetic investigations on biosorption of arsenic from aqueous solution by algae (Maugeotia genuflexa) biomass. *Chemical Engineering Journal*, **2011**, 167, 155-161	14.7	130
97	Sustainable Energy Policies in Turkey. *Energy Sources, Part B: Economics, Planning and Policy*, **2011**, 6, 207-219	3.1	8
96	Preparation and characterization of fatty acid ester/building material composites for thermal energy storage in buildings. *Energy and Buildings*, **2011**, 43, 1952-1959	7	67
95	Preparation, thermal properties and thermal reliability of microencapsulated n-eicosane as novel phase change material for thermal energy storage. *Energy Conversion and Management*, **2011**, 52, 687-692	10.6	246
94	Galactitol hexa stearate and galactitol hexa palmitate as novel solid–liquid phase change materials for thermal energy storage. *Solar Energy*, **2011**, 85, 2061-2071	6.8	40
93	Biosorption of As(III) and As(V) from Aqueous Solution by Lichen (Xanthoria parietina) Biomass. *Separation Science and Technology*, **2010**, 45, 463-471	2.5	40
92	Preparation, characterization and thermal properties of PMMA/n-heptadecane microcapsules as novel solid–liquid microPCM for thermal energy storage. *Applied Energy*, **2010**, 87, 1529-1534	10.7	242
91	Biosorption of selenium from aqueous solution by green algae (Cladophora hutchinsiae) biomass: Equilibrium, thermodynamic and kinetic studies. *Chemical Engineering Journal*, **2010**, 158, 200-206	14.7	177
90	Preparation, thermal properties and thermal reliability of eutectic mixtures of fatty acids/expanded vermiculite as novel form-stable composites for energy storage. *Journal of Industrial and Engineering Chemistry*, **2010**, 16, 767-773	6.3	153
89	Synthesis, thermal energy storage properties and thermal reliability of some fatty acid esters with glycerol as novel solid–liquid phase change materials. *Solar Energy Materials and Solar Cells*, **2010**, 94, 1711-1715	6.4	71
88	Equilibrium, thermodynamic and kinetic studies on adsorption of Sb(III) from aqueous solution using low-cost natural diatomite. *Chemical Engineering Journal*, **2010**, 162, 521-527	14.7	116
87	Biosorption of antimony from aqueous solution by lichen (Physcia tribacia) biomass. *Chemical Engineering Journal*, **2010**, 163, 382-388	14.7	55
86	Thermal Properties and Thermal Reliability of Capric Acid/Stearic Acid Mixture for Latent Heat Thermal Energy Storage. *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*, **2009**, 31, 199-207	1.6	25
85	Synthesis, characterization, thermal properties of a series of stearic acid esters as novel solid–liquid phase change materials. *Materials Letters*, **2009**, 63, 1213-1216	3.3	91
84	Poly(ethylene glycol)/poly(methyl methacrylate) blends as novel form-stable phase-change materials for thermal energy storage. *Journal of Applied Polymer Science*, **2009**, 116, n/a-n/a	2.9	4

83	Preparation, thermal properties and thermal reliability of palmitic acid/expanded graphite composite as form-stable PCM for thermal energy storage. *Solar Energy Materials and Solar Cells*, **2009**, 93, 571-576	6.4	325
82	Preparation, Thermal Properties and Thermal Reliability of Form-Stable Paraffin/Polypropylene Composite for Thermal Energy Storage. *Journal of Polymers and the Environment*, **2009**, 17, 254-258	4.5	79
81	Capric□hyristic acid/vermiculite composite as form-stable phase change material for thermal energy storage. *Solar Energy*, **2009**, 83, 323-332	6.8	264
80	Microencapsulated n-octacosane as phase change material for thermal energy storage. *Solar Energy* , **2009**, 83, 1757-1763	6.8	268
79	Preparation, characterization, and thermal properties of microencapsulated phase change material for thermal energy storage. *Solar Energy Materials and Solar Cells*, **2009**, 93, 143-147	6.4	322
78	Biosorption of palladium(II) from aqueous solution by moss (Racomitrium lanuginosum) biomass: equilibrium, kinetic and thermodynamic studies. *Journal of Hazardous Materials*, **2009**, 162, 874-9	12.8	157
77	Kinetic and equilibrium studies of biosorption of Pb(II) and Cd(II) from aqueous solution by macrofungus (Amanita rubescens) biomass. *Journal of Hazardous Materials*, **2009**, 164, 1004-11	12.8	318
76	Biosorption of As(III) and As(V) from aqueous solution by macrofungus (Inonotus hispidus) biomass: equilibrium and kinetic studies. *Journal of Hazardous Materials*, **2009**, 164, 1372-8	12.8	120
75	Characterization of biosorption process of As(III) on green algae Ulothrix cylindricum. *Journal of Hazardous Materials*, **2009**, 165, 566-72	12.8	127
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