

# Ahmet SarÄ°

## List of Publications by Year in descending order

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239  
papers

22,646  
citations

4653

85  
h-index

9579

142  
g-index

240  
all docs

240  
docs citations

240  
times ranked

12443  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.0	780
2	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.	3.0	590
3	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> , 2004, 45, 2033-2042.	4.4	456
4	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.	4.4	451
5	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.	3.0	378
6	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.	3.0	372
7	Equilibrium, kinetic and thermodynamic studies of adsorption of Pb(II) from aqueous solution onto Turkish kaolinite clay. <i>Journal of Hazardous Materials</i> , 2007, 149, 283-291.	6.5	367
8	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> , 2009, 164, 1004-1011.	6.5	359
9	Effective adsorption of antimony(III) from aqueous solutions by polyamide-graphene composite as a novel adsorbent. <i>Chemical Engineering Journal</i> , 2017, 307, 230-238.	6.6	332
10	Removal of ammonium ion from aqueous solution by natural Turkish (Yıldızeli) zeolite for environmental quality. <i>Journal of Hazardous Materials</i> , 2007, 141, 258-263.	6.5	328
11	Novel approaches and recent developments on potential applications of phase change materials in solar energy. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 281-323.	8.2	321
12	Microencapsulated n-octacosane as phase change material for thermal energy storage. <i>Solar Energy</i> , 2009, 83, 1757-1763.	2.9	317
13	Thermal conductivity improvement of stearic acid using expanded graphite and carbon fiber for energy storage applications. <i>Renewable Energy</i> , 2007, 32, 2201-2210.	4.3	309
14	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> , 2009, 151, 255-261.	6.6	306
15	Capric-myristic acid/vermiculite composite as form-stable phase change material for thermal energy storage. <i>Solar Energy</i> , 2009, 83, 323-332.	2.9	292
16	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.	5.1	285
17	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> , 2008, 157, 448-454.	6.5	280
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.	4.4	278

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19	Effective removal of methylene blue from aqueous solutions using magnetic loaded activated carbon as novel adsorbent. <i>Chemical Engineering Research and Design</i> , 2017, 122, 151-163.	2.7	275
20	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> , 2008, 160, 349-355.	6.5	266
21	Polyethylenimine modified activated carbon as novel magnetic adsorbent for the removal of uranium from aqueous solution. <i>Chemical Engineering Research and Design</i> , 2017, 117, 218-227.	2.7	262
22	Fatty acid/poly(methyl methacrylate) (PMMA) blends as form-stable phase change materials for latent heat thermal energy storage. <i>Solar Energy</i> , 2008, 82, 118-124.	2.9	261
23	Capricâ€“myristic acid/expanded perlite composite as form-stable phase change material for latent heat thermal energy storage. <i>Renewable Energy</i> , 2008, 33, 2599-2605.	4.3	260
24	Biosorption of Pb(II) and Cd(II) from aqueous solution using green alga ( <i>Ulva lactuca</i> ) biomass. <i>Journal of Hazardous Materials</i> , 2008, 152, 302-308.	6.5	256
25	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> , 2008, 144, 1-9.	6.6	252
26	Biosorption of Pb(II) and Cr(III) from aqueous solution by lichen ( <i>Parmelina tiliaceae</i> ) biomass. <i>Bioresource Technology</i> , 2008, 99, 2972-2980.	4.8	245
27	Adsorption of Pb(II) and Cr(III) from aqueous solution on Celtek clay. <i>Journal of Hazardous Materials</i> , 2007, 144, 41-46.	6.5	235
28	Adsorption characteristics of Cu(II) and Pb(II) onto expanded perlite from aqueous solution. <i>Journal of Hazardous Materials</i> , 2007, 148, 387-394.	6.5	235
29	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.	6.6	227
30	Thermal reliability test of some fatty acids as PCMs used for solar thermal latent heat storage applications. <i>Energy Conversion and Management</i> , 2003, 44, 2277-2287.	4.4	213
31	Biosorption of Pb(II) and Ni(II) from aqueous solution by lichen ( <i>Cladonia furcata</i> ) biomass. <i>Biochemical Engineering Journal</i> , 2007, 37, 151-158.	1.8	208
32	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.	2.0	204
33	Biosorption of selenium from aqueous solution by green algae ( <i>Cladophora hutchinsiae</i> ) biomass: Equilibrium, thermodynamic and kinetic studies. <i>Chemical Engineering Journal</i> , 2010, 158, 200-206.	6.6	199
34	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> , 2014, 136, 217-227.	5.1	197
35	Response surface optimization, kinetic and thermodynamic studies for effective removal of rhodamine B by magnetic AC/CeO <sub>2</sub> nanocomposite. <i>Journal of Environmental Management</i> , 2018, 206, 170-177.	3.8	195
36	Global warming and renewable energy sources for sustainable development: A case study in Turkey. <i>Renewable and Sustainable Energy Reviews</i> , 2008, 12, 372-396.	8.2	183

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37	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.	3.0	181
38	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.	2.9	180
39	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> , 2009, 162, 874-879.	6.5	179
40	Polyamide magnetic palygorskite for the simultaneous removal of Hg(II) and methyl mercury; with factorial design analysis. <i>Journal of Environmental Management</i> , 2018, 211, 323-333.	3.8	179
41	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.	3.1	173
42	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> , 2018, 220, 313-321.	2.0	170
43	Characterization of biosorption process of As(III) on green algae <i>Ulothrix cylindricum</i> . <i>Journal of Hazardous Materials</i> , 2009, 165, 566-572.	6.5	158
44	Thermal performance of palmitic acid as a phase change energy storage material. <i>Energy Conversion and Management</i> , 2002, 43, 863-876.	4.4	157
45	Thermal properties and thermal reliability of eutectic mixtures of some fatty acids as latent heat storage materials. <i>Energy Conversion and Management</i> , 2004, 45, 365-376.	4.4	156
46	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> , 2016, 117, 132-141.	4.4	156
47	Optimization of parameters with experimental design for the adsorption of mercury using polyethylenimine modified-activated carbon. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 1079-1088.	3.3	155
48	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.	3.0	154
49	Renewable Energy for a Clean and Sustainable Future. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , 2004, 26, 1119-1129.	0.5	151
50	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> , 2002, 72, 493-504.	2.9	146
51	Equilibrium, thermodynamic and kinetic investigations on biosorption of arsenic from aqueous solution by algae ( <i>Maugeotia genuflexa</i> ) biomass. <i>Chemical Engineering Journal</i> , 2011, 167, 155-161.	6.6	144
52	Chitosan-modified vermiculite for As(III) adsorption from aqueous solution: Equilibrium, thermodynamic and kinetic studies. <i>Journal of Molecular Liquids</i> , 2016, 219, 937-945.	2.3	144
53	Eutectic mixtures of some fatty acids for low temperature solar heating applications: Thermal properties and thermal reliability. <i>Applied Thermal Engineering</i> , 2005, 25, 2100-2107.	3.0	143
54	Thermal energy storage system using stearic acid as a phase change material. <i>Solar Energy</i> , 2001, 71, 365-376.	2.9	140

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55	Micro/nano-encapsulated n-heptadecane with polystyrene shell for latent heat thermal energy storage. <i>Solar Energy Materials and Solar Cells</i> , 2014, 126, 42-50.	3.0	140
56	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> , 2009, 169, 263-270.	6.5	136
57	Magnetic activated carbon loaded with tungsten oxide nanoparticles for aluminum removal from waters. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 2853-2860.	3.3	136
58	Equilibrium, thermodynamic and kinetic studies on adsorption of Sb(III) from aqueous solution using low-cost natural diatomite. <i>Chemical Engineering Journal</i> , 2010, 162, 521-527.	6.6	135
59	Synthesis and thermal properties of polystyrene-graft-PEG copolymers as new kinds of solidâ€“solid phase change materials for thermal energy storage. <i>Materials Chemistry and Physics</i> , 2012, 133, 87-94.	2.0	134
60	Thermal performance of myristic acid as a phase change material for energy storage application. <i>Renewable Energy</i> , 2001, 24, 303-317.	4.3	133
61	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> , 2009, 164, 1372-1378.	6.5	130
62	Renewable energy potential and utilization in Turkey. <i>Energy Conversion and Management</i> , 2003, 44, 459-478.	4.4	125
63	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> , 2009, 171, 500-507.	6.5	125
64	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> , 2015, 115, 195-203.	2.9	122
65	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.	3.0	113
66	Global advancement on experimental and thermal analysis of evacuated tube collector with and without heat pipe systems and possible applications. <i>Applied Energy</i> , 2018, 228, 351-389.	5.1	113
67	Thermal and heat transfer characteristics in a latent heat storage system using lauric acid. <i>Energy Conversion and Management</i> , 2002, 43, 2493-2507.	4.4	111
68	Micro/nanoencapsulated n-nonadecane with poly(methyl methacrylate) shell for thermal energy storage. <i>Energy Conversion and Management</i> , 2014, 86, 614-621.	4.4	111
69	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.	2.2	110
70	Synthesis, characterization, thermal properties of a series of stearic acid esters as novel solidâ€“liquid phase change materials. <i>Materials Letters</i> , 2009, 63, 1213-1216.	1.3	110
71	Poly(ethylene glycol)/acrylic polymer blends for latent heat thermal energy storage. <i>AIChE Journal</i> , 2006, 52, 3310-3314.	1.8	108
72	Synthesis and characterization of micro/nano capsules of PMMA/capricâ€“stearic acid eutectic mixture for low temperature-thermal energy storage in buildings. <i>Energy and Buildings</i> , 2015, 90, 106-113.	3.1	104

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73	Preparation, characterization and latent heat thermal energy storage properties of micro-nanoencapsulated fatty acids by polystyrene shell. <i>Applied Thermal Engineering</i> , 2014, 73, 1160-1168.	3.0	102
74	Fabrication and thermal characterization of kaolin-based composite phase change materials for latent heat storage in buildings. <i>Energy and Buildings</i> , 2015, 96, 193-200.	3.1	102
75	Equilibrium, thermodynamic and kinetic investigations for biosorption of uranium with green algae ( <i>T. ETQq1</i> ). <i>Journal of Environmental Science and Technology</i> , 2014, 48, 109-114.	0.9	101
76	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> , 2003, 44, 3227-3246.	4.4	99
77	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.	4.4	98
78	A comprehensive review on phase change materials for heat storage applications: Development, characterization, thermal and chemical stability. <i>Solar Energy Materials and Solar Cells</i> , 2022, 234, 111392.	3.0	98
79	Model selection for global and diffuse radiation over the Central Black Sea (CBS) region of Turkey. <i>Energy Conversion and Management</i> , 2005, 46, 605-613.	4.4	97
80	Thermal performance of phase change material integrated heat pipe evacuated tube solar collector system: An experimental assessment. <i>Energy Conversion and Management</i> , 2020, 203, 112205.	4.4	96
81	Synthesis and thermal energy storage characteristics of polystyrene-graft-palmitic acid copolymers as solid-phase change materials. <i>Solar Energy Materials and Solar Cells</i> , 2011, 95, 3195-3201.	3.0	94
82	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.	3.0	94
83	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> , 2021, 21, 101305.	3.0	94
84	Preparation, Thermal Properties and Thermal Reliability of Form-Stable Paraffin/Polypropylene Composite for Thermal Energy Storage. <i>Journal of Polymers and the Environment</i> , 2009, 17, 254-258.	2.4	93
85	Fatty acid esters-based composite phase change materials for thermal energy storage in buildings. <i>Applied Thermal Engineering</i> , 2012, 37, 208-216.	3.0	92
86	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> , 2014, 69, 184-192.	3.1	92
87	Synthesis of silica nanoparticles grafted with copolymer of acrylic acrylamide for ultra-removal of methylene blue from aquatic solutions. <i>European Polymer Journal</i> , 2020, 130, 109698.	2.6	87
88	Adsorption of silver from aqueous solution onto raw vermiculite and manganese oxide-modified vermiculite. <i>Microporous and Mesoporous Materials</i> , 2013, 170, 155-163.	2.2	82
89	Silica fume/capric acid-stearic acid PCM included-cementitious composite for thermal controlling of buildings: Thermal energy storage and mechanical properties. <i>Energy</i> , 2021, 219, 119588.	4.5	82
90	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.	3.0	81

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91	Adsorption thermodynamics of stearic acid onto bentonite. <i>Journal of Hazardous Materials</i> , 2006, 135, 226-231.	6.5	80
92	Cd(II) adsorption from aqueous solution by raw and modified kaolinite. <i>Applied Clay Science</i> , 2014, 88-89, 63-72.	2.6	80
93	Thermal characteristics of a eutectic mixture of myristic and palmitic acids as phase change material for heating applications. <i>Applied Thermal Engineering</i> , 2003, 23, 1005-1017.	3.0	79
94	Thermal energy storage characteristics of poly(styrene-co-maleic anhydride)-graft-PEG as polymeric solid phase change materials. <i>Solar Energy Materials and Solar Cells</i> , 2017, 161, 219-225.	3.0	79
95	Adsorption Characteristics of Mercury(II) Ions from Aqueous Solution onto Chitosan-Coated Diatomite. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 7524-7533.	1.8	78
96	Preparation, characterization, thermal energy storage properties and temperature control performance of form-stabilized sepiolite based composite phase change materials. <i>Energy and Buildings</i> , 2019, 188-189, 111-119.	3.1	78
97	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> , 2009, 171, 973-979.	6.5	75
98	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.	3.1	75
99	Thermal management performance and mechanical properties of a novel cementitious composite containing fly ash/lauric acid-myristic acid as form-stable phase change material. <i>Construction and Building Materials</i> , 2021, 274, 122105.	3.2	73
100	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.	1.3	72
101	Biosorption of antimony from aqueous solution by lichen ( <i>Physcia tribacia</i> ) biomass. <i>Chemical Engineering Journal</i> , 2010, 163, 382-388.	6.6	71
102	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.	3.1	71
103	Thermal Characteristics of Paraffin/Expanded Perlite Composite for Latent Heat Thermal Energy Storage. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2009, 31, 814-823.	1.2	70
104	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> , 2012, 51, 6877-6886.	1.8	70
105	Polystyrene microcapsules with palmitic-capric acid eutectic mixture as building thermal energy storage materials. <i>Energy and Buildings</i> , 2017, 150, 376-382.	3.1	69
106	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> , 2019, 198, 111896.	4.4	68
107	Temperature distributions in trapezoidal built in storage solar water heaters with/without phase change materials. <i>Energy Conversion and Management</i> , 2006, 47, 2143-2154.	4.4	67
108	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.	3.0	66

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109	Thermal energy storage properties of mannitol-fatty acid esters as novel organic solid-liquid phase change materials. <i>Energy Conversion and Management</i> , 2012, 64, 68-78.	4.4	65
110	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> , 2006, 47, 1207-1221.	4.4	64
111	Lauric and palmitic acids eutectic mixture as latent heat storage material for low temperature heating applications. <i>Energy</i> , 2005, 30, 677-692.	4.5	63
112	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. <i>Journal of Energy Storage</i> , 2021, 35, 102329.	3.9	63
113	Thermal regulating performance of gypsum/(C18-C24) composite phase change material (CPCM) for building energy storage applications. <i>Applied Thermal Engineering</i> , 2016, 107, 55-62.	3.0	62
114	Walnut shell derived bio-carbon/methyl palmitate as novel composite phase change material with enhanced thermal energy storage properties. <i>Journal of Energy Storage</i> , 2021, 35, 102288.	3.9	62
115	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> , 2007, 29, 261-270.	1.2	61
116	Microencapsulated heptadecane with calcium carbonate as thermal conductivity-enhanced phase change material for thermal energy storage. <i>Journal of Molecular Liquids</i> , 2021, 328, 115508.	2.3	61
117	Interfacial polymerization of trimesoyl chloride with melamine and palygorskite for efficient uranium ions ultra-removal. <i>Chemical Engineering Research and Design</i> , 2020, 159, 353-361.	2.7	59
118	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.	2.2	58
119	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> , 2005, 27, 1535-1546.	0.5	57
120	Microencapsulated n-alkane eutectics in polystyrene for solar thermal applications. <i>Solar Energy</i> , 2018, 160, 32-42.	2.9	57
121	Synthesis and Thermal Energy Storage Properties of Erythritol Tetrastearate and Erythritol Tetrapalmitate. <i>Chemical Engineering and Technology</i> , 2011, 34, 87-92.	0.9	56
122	Second Law Analysis of Various Types of Coal and Woody Biomass in Turkey. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , 2004, 26, 1083-1094.	0.5	55
123	Preparation and thermal properties of ethylene glycole distearate as a novel phase change material for energy storage. <i>Materials Letters</i> , 2008, 62, 1122-1125.	1.3	55
124	Lauric and myristic acids eutectic mixture as phase change material for low-temperature heating applications. <i>International Journal of Energy Research</i> , 2005, 29, 857-870.	2.2	54
125	Renewable Energy Sources in the European Union: Markets and Capacity. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , 2007, 2, 19-29.	1.8	54
126	Kinetic and equilibrium studies of Pb(II) and Cd(II) removal from aqueous solution onto colemanite ore waste. <i>Desalination</i> , 2009, 249, 260-266.	4.0	50



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127	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.	2.9	50
128	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> , 2006, 101, 1402-1406.	1.3	49
129	Evaluation of pumice for development of low-cost and energy-efficient composite phase change materials and lab-scale thermoregulation performances of its cementitious plasters. <i>Energy</i> , 2020, 207, 118242.	4.5	49
130	Investigation of physico-mechanical, thermal properties and solar thermoregulation performance of shape-stable attapulgite based composite phase change material in foam concrete. <i>Solar Energy</i> , 2022, 236, 51-62.	2.9	49
131	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> , 2001, 23, 275-285.	0.5	48
132	Synthesis, characterization and evaluation of carbon nanofiber modified-polymer for ultra-removal of thorium ions from aquatic media. <i>Chemical Engineering Research and Design</i> , 2020, 163, 76-84.	2.7	48
133	New kinds of energy-storing building composite PCMs for thermal energy storage. <i>Energy Conversion and Management</i> , 2013, 69, 148-156.	4.4	46
134	Low cost and eco-friendly wood fiber-based composite phase change material: Development, characterization and lab-scale thermoregulation performance for thermal energy storage. <i>Energy</i> , 2020, 195, 116983.	4.5	46
135	Glass fiber reinforced gypsum composites with microencapsulated PCM as novel building thermal energy storage material. <i>Construction and Building Materials</i> , 2022, 340, 127788.	3.2	45
136	Biosorption of As(III) and As(V) from Aqueous Solution by Lichen ( <i>Xanthoria parietina</i> ) Biomass. <i>Separation Science and Technology</i> , 2010, 45, 463-471.	1.3	44
137	Evaluation of carbonized waste tire for development of novel shape stabilized composite phase change material for thermal energy storage. <i>Waste Management</i> , 2020, 103, 352-360.	3.7	44
138	PCM integrated glass in glass tube solar collector for low and medium temperature applications: Thermodynamic & techno-economic approach. <i>Energy</i> , 2020, 198, 117238.	4.5	44
139	Eco-friendly building materials containing micronized expanded vermiculite and phase change material for solar based thermo-regulation applications. <i>Construction and Building Materials</i> , 2021, 308, 125062.	3.2	44
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