Halime O Paksoy

List of Publications by Year in Descending Order

76 papers	2,450 citations	27 h-index	48 g-index
81 ext. papers	2,906 ext. citations	5.4 avg, IF	5.72 L-index

#	Paper	IF	Citations
76	Criss-crossed ⊞Fe2O3 nanorods/Bi2S3 heterojunction for enhanced photoelectrochemical water splitting. *Fuel*, **2022**, 324, 124477	7.1	1
75	Thermal energy storage in fluidized bed using microencapsulated phase change materials. *Solar Energy*, **2021**, 222, 27-34	6.8	3
74	Thermal energy storage systems for greenhouse technology **2021**, 699-715		
73	New multilayered microencapsulated phase change material with CaCO3 and Ag shells. *Energy Storage*, **2021**, 3, e214	2.8	3
72	Analysis of labour market needs for engineers with enhanced knowledge in sustainable renewable energy solutions in the built environment in some Asian countries. *E3S Web of Conferences*, **2021**, 238, 07004	0.5	
71	Three dimensional rosette-rod TiO2/Bi2S3 heterojunction for enhanced photoelectrochemical water splitting. *Journal of Alloys and Compounds*, **2021**, 868, 159133	5.7	9
70	Characterization of demolition waste powder to be processed as sensible thermal energy storage material. *Solar Energy Materials and Solar Cells*, **2021**, 230, 111283	6.4	1
69	Encapsulation of Phase Change Materials **2021**,		
68	Performance of laboratory scale packed-bed thermal energy storage using new demolition waste based sensible heat materials for industrial solar applications. *Solar Energy*, **2020**, 211, 1335-1346	6.8	14
67	Preparation, characterization, and thermal properties of novel fire-resistant microencapsulated phase change materials based on paraffin and a polystyrene shell.. *RSC Advances*, **2020**, 10, 24134-24144	3.7	17
66	Designing behenic acid microcapsules as novel phase change material for thermal energy storage applications at medium temperature. *International Journal of Energy Research*, **2020**, 44, 3922-3933	4.5	3
65	Design of Energy-Efficient White Portland Cement Mortars for Digital Fabrication. *RILEM Bookseries* , **2020**, 64-72	0.5	
64	Role of Energy Storage in 100% Renewable Urban Areas. *Lecture Notes in Energy*, **2020**, 411-437	0.4	
63	Enhanced photoelectrochemical water splitting using gadolinium doped titanium dioxide nanorod array photoanodes. *International Journal of Hydrogen Energy*, **2020**, 45, 2709-2719	6.7	14
62	Review on sensible thermal energy storage for industrial solar applications and sustainability aspects. *Solar Energy*, **2020**, 209, 135-169	6.8	77
61	Underground thermal heat storage and ground source heat pump activities in Turkey. *Solar Energy*, **2020**, 200, 22-28	6.8	7
60	2 years of monitoring results from passive solar energy storage in test cabins with phase change materials. *Solar Energy*, **2020**, 200, 29-36	6.8	24

59	Laboratory investigation on the use of thermally enhanced phase change material to improve the performance of borehole heat exchangers for ground source heat pumps. *International Journal of Energy Research*, **2019**, 43, 4148-4156	4.5	9
58	Thermal buffering effect of a packaging design with microencapsulated phase change material. *International Journal of Energy Research*, **2019**, 43, 4495-4505	4.5	12
57	Using demolition wastes from urban regeneration as sensible thermal energy storage material. *International Journal of Energy Research*, **2019**, 43, 6454-6460	4.5	13
56	Encapsulation of stearic acid with different PMMA-hybrid shell materials for thermotropic materials. *Solar Energy*, **2019**, 184, 466-476	6.8	16
55	Direct impregnation and characterization of Colemanite/Ulexite-Mg(OH)2 paraffin based form-stable phase change composites. *Solar Energy Materials and Solar Cells*, **2019**, 195, 346-352	6.4	9
54	Comprehensive investigation of butyl stearate as a multifunctional smart concrete additive for energy-efficient buildings. *International Journal of Energy Research*, **2019**, 43, 7146	4.5	9
53	Packed-bed sensible thermal energy storage system using demolition wastes for concentrated solar power plants. *E3S Web of Conferences*, **2019**, 113, 01014	0.5	2
52	Energy storage key performance indicators for building application. *Sustainable Cities and Society*, **2018**, 40, 54-65	10.1	30
51	Developing microencapsulated 12-hydroxystearic acid (HSA) for phase change material use. *International Journal of Energy Research*, **2018**, 42, 3351-3360	4.5	15
50	Novel shapeable phase change material (PCM) composites for thermal energy storage (TES) applications. *Solar Energy Materials and Solar Cells*, **2018**, 174, 380-387	6.4	47
49	2.30 Novel Building Materials **2018**, 980-1017		2
48	2.14 Latent Heat Storage Systems **2018**, 396-434		2
47	Investigating thermal properties of using nano-tubular ZnO powder in paraffin as phase change material composite for thermal energy storage. *Composites Part B: Engineering*, **2017**, 126, 88-93	10	34
46	A comparative study on corrosion behavior of rebar in concrete with fatty acid additive as phase change material. *Construction and Building Materials*, **2017**, 143, 490-500	6.7	27
45	Robust microencapsulated phase change materials in concrete mixes for sustainable buildings. *International Journal of Energy Research*, **2017**, 41, 113-126	4.5	42
44	Determining influences of SiO2 encapsulation on thermal energy storage properties of different phase change materials. *Solar Energy Materials and Solar Cells*, **2017**, 159, 1-7	6.4	85
43	Polystyrene-based caprylic acid microencapsulation for thermal energy storage. *Solar Energy Materials and Solar Cells*, **2017**, 159, 235-242	6.4	40
42	Characterization of Concrete Mixes Containing Phase Change Materials. *IOP Conference Series: Materials Science and Engineering*, **2017**, 251, 012118	0.4	5

41	Direct Incorporation of Butyl Stearate as Phase Change Material into Concrete for Energy Saving in Buildings. *Journal of Clean Energy Technologies*, **2017**, 5, 64-68	0.2	22
40	The effects of various carbon derivative additives on the thermal properties of paraffin as a phase change material. *International Journal of Energy Research*, **2016**, 40, 198-206	4.5	37
39	IEA SHC Task 42 / ECES Annex 29 WG A1: Engineering and Processing of PCMs, TCMs and Sorption Materials. *Energy Procedia*, **2016**, 91, 207-217	2.3	13
38	Nanoencapsulation of n-alkanes with poly(styrene-co-ethylacrylate) shells for thermal energy storage. *Applied Energy*, **2015**, 150, 335-340	10.7	58
37	Thermal enhancement of concrete by adding bio-based fatty acids as phase change materials. *Energy and Buildings*, **2015**, 106, 156-163	7	60
36	Review on using microencapsulated phase change materials (PCM) in building applications. *Energy and Buildings*, **2015**, 106, 134-155	7	226
35	Improving performance of household refrigerators by incorporating phase change materials. *International Journal of Refrigeration*, **2015**, 57, 173-185	3.8	39
34	CO 2 mitigation accounting for Thermal Energy Storage (TES) case studies. *Applied Energy*, **2015**, 155, 365-377	10.7	41
33	Microcapsulation and Macrocapsulation of Phase Change Materials by Emulsion Co-polymerization Method **2015**, 229-238		1
32	Unconventional experimental technologies available for phase change materials (PCM) characterization. Part 1. Thermophysical properties. *Renewable and Sustainable Energy Reviews*, **2015**, 43, 1399-1414	16.2	65
31	Unconventional experimental technologies used for phase change materials (PCM) characterization: part 2 – morphological and structural characterization, physico-chemical stability and mechanical properties. *Renewable and Sustainable Energy Reviews*, **2015**, 43, 1415-1426	16.2	22
30	Sustainable energy management. *Management of Environmental Quality*, **2015**, 26, 764-790	3.6	8
29	The Preparation and Characterization of Chitosan–Gelatin Microcapsules and Microcomposites with Fatty Acids as Thermal Energy Storage Materials. *Energy Technology*, **2015**, 3, 503-508	3.5	18
28	Improving thermal conductivity phase change materials—A study of paraffin nanomagnetite composites. *Solar Energy Materials and Solar Cells*, **2015**, 137, 61-67	6.4	176
27	Microencapsulation of caprylic acid with different wall materials as phase change material for thermal energy storage. *Solar Energy Materials and Solar Cells*, **2014**, 120, 536-542	6.4	143
26	Thermal enhancement of paraffin as a phase change material with nanomagnetite. *Solar Energy Materials and Solar Cells*, **2014**, 126, 56-61	6.4	62
25	Microencapsulation of a fatty acid with Poly(melamine–urea–formaldehyde). *Energy Conversion and Management*, **2014**, 80, 382-390	10.6	106
24	Root zone temperature control with thermal energy storage in phase change materials for soilless greenhouse applications. *Energy Conversion and Management*, **2013**, 74, 446-453	10.6	29

23	Exploiting solar energy potential through thermal energy storage in Slovenia and Turkey. *Renewable and Sustainable Energy Reviews*, **2013**, 25, 442-461	16.2	33
22	Thermally enhanced paraffin for solar applications. *Energy Procedia*, **2012**, 30, 350-352	2.3	8
21	AQUIFER THERMAL ENERGY STORAGE APPLICATION IN GREENHOUSE CLIMATIZATION. *Acta Horticulturae*, **2009**, 143-148	0.3	5
20	Phase Change Material Sandwich Panels for Managing Solar Gain in Buildings. *Journal of Solar Energy Engineering, Transactions of the ASME*, **2009**, 131,	2.3	33
19	Utilization of phase change materials in solar domestic hot water systems. *Renewable Energy*, **2009**, 34, 1639-1643	8.1	175
18	CO2 mitigation with thermal energy storage. *International Journal of Global Warming*, **2009**, 1, 253	0.6	10
17	Heat transfer enhancement of fatty acids when used as PCMs in thermal energy storage. *International Journal of Energy Research*, **2008**, 32, 135-143	4.5	36
16	Ground water level influence on thermal response test in Adana, Turkey. *International Journal of Energy Research*, **2008**, 32, 629-633	4.5	21
15	Microencapsulation of coco fatty acid mixture for thermal energy storage with phase change material. *International Journal of Energy Research*, **2006**, 30, 741-749	4.5	172
14	Aquifer thermal storage (ATES) for air-conditioning of a supermarket in Turkey. *Renewable Energy*, **2004**, 29, 1991-1996	8.1	55
13	Heating and cooling of a hospital using solar energy coupled with seasonal thermal energy storage in an aquifer. *Renewable Energy*, **2000**, 19, 117-122	8.1	72
12	Energetic and exergetic efficiency of latent heat storage system for greenhouse heating. *Renewable Energy*, **1999**, 16, 691-694	8.1	46
11	GREENHOUSE HEATING WITH SOLAR ENERGY AND PHASE CHANGE ENERGY STORAGE. *Acta Horticulturae*, **1997**, 63-70	0.3	8
10	Calculations of thermodynamic derivative properties from the NRTL and UNIQUAC models. *Thermochimica Acta*, **1997**, 303, 129-136	2.9	10
9	Determining thermal properties of heat storage materials using the twin bath method. *Energy Conversion and Management*, **1996**, 37, 261-268	10.6	10
8	The performance of UNIFAC and related group contribution models part I. Prediction of infinite dilution activity coefficients. *Thermochimica Acta*, **1996**, 287, 235-249	2.9	3
7	The performance of UNIFAC and related group contribution models part II. Prediction of Henryƫ law constants. *Thermochimica Acta*, **1996**, 287, 251-259	2.9	7
6	Excess enthalpy surfaces for n-heptane + carboxylic acid, amylamine and n-octanol mixtures by the nrtl model. *Thermochimica Acta*, **1995**, 261, 33-45	2.9	

5	Thermal analysis of heat storage materials. *Thermochimica Acta*, **1993**, 213, 211-221	2.9	24
4	Correlation of heats of mixing data by the NRTL and UNIQUAC models.. *Thermochimica Acta*, **1992**, 194, 329-341	2.9	7
3	Correlation of heats of mixing data by the NRTL and UNIQUAC models. *Thermochimica Acta*, **1992**, 194, 343-359	2.9	8
2	Calculation of excess heat capacities for liquid mixtures. *Thermochimica Acta*, **1992**, 198, 329-344	2.9	7
1	End□striyel Uygulamalarda G□□e□Enerjisinden Termal Olarak Yararlanma. *□kurova □niversitesi M□hendislik-Mimarl□k Fak□ltesi Dergisi*,769-782		0