

Hatice Hande Mert

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

286
citations

933447

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996975

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25
all docs

25
docs citations

25
times ranked

166
citing authors

#	ARTICLE	IF	CITATIONS
1	<scp>PolyHIPE</scp> composite <scp>basedâ€form</scp> stable phase change material for thermal energy storage. International Journal of Energy Research, 2020, 44, 6583-6594.	4.5	41
2	Microencapsulated oleicâ€capric acid/hexadecane mixture as phase change material for thermal energy storage. Journal of Thermal Analysis and Calorimetry, 2019, 136, 1551-1561.	3.6	29
3	A statistical approach for tailoring the morphological and mechanical properties of polystyrene PolyHIPEs: looking through experimental design. Materials Research Express, 2019, 6, 115306.	1.6	24
4	Investigation of thermal energy storage properties of a microencapsulated phase change material using response surface experimental design methodology. Applied Thermal Engineering, 2019, 149, 401-413.	6.0	24
5	Development of composite phase change materials based on n-tetradecane and Î²-myrcene based foams for cold thermal energy storage applications. Thermochimica Acta, 2022, 707, 179116.	2.7	22
6	Preparation of polyHIPE nanocomposites: Revealing the influence of experimental parameters with the help of experimental design approach. Polymer Composites, 2021, 42, 724-738.	4.6	21
7	Preparation and characterization of encapsulated phase change materials in presence of gamma alumina for thermal energy storage applications. Thermochimica Acta, 2019, 681, 178382.	2.7	20
8	Preparation and characterization of paraffin microcapsules for energyâ€saving applications. Journal of Applied Polymer Science, 2019, 136, 47874.	2.6	19
9	Synthesis and characterization of polyHIPE composites containing halloysite nanotubes. E-Polymers, 2016, 16, 419-428.	3.0	14
10	Adsorptive polyHIPE composites based on biosorbent immobilized nanoclay: Effects of immobilization techniques. Polymer Engineering and Science, 2018, 58, 1229-1240.	3.1	11
11	Design of n-octadecane-based form-stable composite phase change materials embedded in porous nano alumina for thermal energy storage applications. Journal of Thermal Analysis and Calorimetry, 2022, 147, 4925-4934.	3.6	9
12	Cellulose nanocrystals supportedâ€PolyHIPE</scp> foams for lowâ€temperature latent heat storage applications. Journal of Applied Polymer Science, 2022, 139, 51785.	2.6	8
13	Emulsion Templated Hierarchical Macroporous Polymers. Engineering Materials, 2022, , 43-86.	0.6	7
14	Shape-stabilized n-heptadecane/polymeric foams with modified iron oxide nanoparticles for thermal energy storage. Thermochimica Acta, 2022, 714, 179266.	2.7	7
15	Synthesis and Characterization of Bentâ€Core Liquid Crystal / Modified Î³-Al₂O₃ Nanocomposites. ChemistrySelect, 2019, 4, 8983-8988.	1.5	5
16	Form-stable n-hexadecane/zinc borate composite phase change material for thermal energy storage applications in buildings. Sustainable Energy Technologies and Assessments, 2022, 50, 101836.	2.7	5
17	Preparation and characterization of shape-stable bio-based composite phase change materials for thermal energy storage: coconut oil / activated carbon from cherry stones doped composites. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2022, 44, 5381-5397.	2.3	5
18	Preparation of <scp>Pickeringâ€polyHIPEs</scp> from surface modified pumice stabilized high internal phase emulsions as supporting materials for lauric acid impregnation. Journal of Applied Polymer Science, 2022, 139, 51892.	2.6	4

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19	Multiple Regression Analysis of Catalytic Dehydrogenation of Isopropanol in a Chemical Heat Pump System. Chemical Engineering and Technology, 2015, 38, 399-408.	1.5	3
20	Synthesis and characterization of new bent-core liquid crystal with a ferroelectric-like switching / modified magnetite nanocomposite. Journal of Molecular Structure, 2020, 1222, 128851.	3.6	3
21	Faz DeÄŸiÅŸtiren Madde Olarak n-Hekzadekan Esaslı Mikrokapsüllerin Hazırlanması, Karakterizasyonu ve Isıl Performanslarının T-Kayıt Yöntemiyle Belirlenmesi. European Journal of Science and Technology, 0, , 148-161.	0.5	2
22	Emulsion templated polymer monoliths containing cellulose nanocrystals: Synthesis and adsorption properties. Journal of Applied Polymer Science, 2022, 139, 51802.	2.6	2
23	Isıl Enerji Depolama Uygulamaları İçin Selüloz Nanofibril Temelli Parafin İçeren Kompozit Faz DeÄŸiÅŸtiren Maddelerin İncelenmesi ve Karakterizasyonu. European Journal of Science and Technology, 0, , .	0.5	1
24	Selüloz Nanofibril İçeren Emülsiyon Şablonlu Çizgili Polimer Kompozitlerin Hazırlanması ve Gizli Isıl Enerji Depolama Uygulamaları. Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, 0, , .	0.6	0
25	Preparation of n-nonadecane based shape-stabilized composite phase change materials containing modified kaolinite clay-doped and determination of their properties. Journal of the Faculty of Engineering and Architecture of Gazi University, 0, , .	0.8	0