

**Kimya Bölümü**  
**2019 Yılı SCI-E Yayınları**  
**(Kaynak: Web of Science)**

- [1] Burak Ay, Onur Sahin, and Emel Yildiz. One-Pot hydrothermal synthesis of 1D copper (II) coordination polymers involving in-situ decarboxylation. *SOLID STATE SCIENCES*, 96, Article-Number: UNSP 105958, OCT 2019.
- [2] Evrim Baran Aydin and Gokmen Sigircik. Preparations of different ZnO nanostructures on TiO<sub>2</sub> nanotube via electrochemical method and its application in hydrogen production. *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY*, 44(23):11488–11502, MAY 3 2019.
- [3] Evrim Baran, Ahmet Cakir, and Birgul Yazici. Inhibitory effect of Gentiana olivieri extracts on the corrosion of mild steel in 0.5 M HCl: Electrochemical and phytochemical evaluation. *ARABIAN JOURNAL OF CHEMISTRY*, 12(8):4303–4319, DEC 2019.
- [4] Kemal Cellat, Fatih Tezcan, Gulfeza Kardas, and Halime Paksoy. Comprehensive investigation of butyl stearate as a multifunctional smart concrete additive for energy-efficient buildings. *INTERNATIONAL JOURNAL OF ENERGY RESEARCH*, 43(13):7146–7158, OCT 25 2019.
- [5] Murat Farsak and Gulfeza Kardas. Effect of current change on iron-copper-nickel coating on nickel foam for hydrogen production. *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY*, 44(27, SI):14151–14156, MAY 24 2019. 14th International Conference on Energy Storage (EnerSTOCK), Cukurova Univ, Adana, TURKEY, APR 25-28, 2018.

- [6] Arif Hasanoglu, Ihsan Demirci, and Acelya Secer. Hydrogen production by gasification of Kenaf under subcritical liquid-vapor phase conditions. *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY*, 44(27, SI):14127–14136, MAY 24 2019. 14th International Conference on Energy Storage (EnerSTOCK), Cukurova Univ, Adana, TURKEY, APR 25-28, 2018.
- [7] M. Safa Horpan, Nurten Sahan, Halime Paksoy, Osman Sivrikaya, and Mustafa Gunes. Direct impregnation and characterization of Colemanite/Ulexite-Mg(OH)(2) paraffin based form-stable phase change composites. *SOLAR ENERGY MATERIALS AND SOLAR CELLS*, 195:346–352, JUN 15 2019. 14th International Conference on Energy Storage (EnerSTOCK), Cukurova Univ, Adana, TURKEY, APR 25-28, 2018.
- [8] Gulfeza Kardas and Ramazan Solmaz. Preface to special issue on “14th International Energy Storage Conference EnerSTOCK 2018, 25-28 April 2018, at cukurova University Adana, Turkey”. *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY*, 44(27, SI):14107, MAY 24 2019.
- [9] Aysen Kelesoglu, Resit Yildiz, and Ilyas Dehri. 1-(2-Hydroxyethyl)-2-imidazolidinone as corrosion inhibitor of mild steel in 0.5 M HCl solution: thermodynamic, electrochemical and theoretical studies. *JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY*, 33(18):2010–2030, SEP 17 2019.
- [10] Nur Kicir, Tunc Tuken, Mustafa Akyol, Ahmet Ekicibil, and Yuksel Ufuktepe. Structural, electronic and magnetic properties of Mn doped ZnO nanoplates synthesized by electrodeposition method. *JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA*, 237, Article-Number: UNSP 146892, DEC 2019.
- [11] Mehmet Burak Koca, Gizem Gumusgoz Celik, Gulfeza Kardas, and Birgul Yazici. NiGa modified carbon-felt cathode for hydrogen production. *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY*, 44(27, SI):14157–14163, MAY 24 2019. 14th International Conference on Energy Storage (EnerSTOCK), Cukurova Univ, Adana, TURKEY, APR 25-28, 2018.
- [12] Burcu Kocak and Halime Paksoy. Using demolition wastes from urban regeneration as sensible thermal energy storage material. *INTER-*

- NATIONAL JOURNAL OF ENERGY RESEARCH*, 43(12, SI):6454–6460, OCT 10 2019. 14th International Conference on Energy Storage (EnerSTOCK), Cukurova Univ, Adana, TURKEY, APR 25-28, 2018.
- [13] Yi Lyne, Halime Paksoy, and Mohammed Farid. 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*, 43(9):4148–4156, JUL 2019.
- [14] Rasiha Nefise Mutlu and Birgul Yazici. Copper-deposited aluminum anode for aluminum-air battery. *JOURNAL OF SOLID STATE ELECTROCHEMISTRY*, 23(2):529–541, FEB 2019.
- [15] Rasiha Nefise Mutlu and Birgul Yazici. The behavior of chemical and electrochemical Ag deposition on FeNi-mesh cathodes in Al-air battery. *INTERNATIONAL JOURNAL OF ENERGY RESEARCH*, 43(12, SI):6256–6268, OCT 10 2019. 14th International Conference on Energy Storage (EnerSTOCK), Cukurova Univ, Adana, TURKEY, APR 25-28, 2018.
- [16] Burcak Kaya Oysel, Berna Nis, Bahar Meryemoglu, Arif Hasanoglu, and Sibel Irmak. Utilization of waste cotton linter for preparation of activated carbon to be used as catalyst support in aqueous-phase reforming process. *ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY*, 38(2):445–450, MAR-APR 2019.
- [17] Halime O. Paksoy. Guest editorial for the special issue on progress in energy storage systems. *INTERNATIONAL JOURNAL OF ENERGY RESEARCH*, 43(12, SI):6060, OCT 10 2019.
- [18] Nurten Sahan, Daniel Nigon, Susan C. Mantell, Jane H. Davidson, and Halime Paksoy. Encapsulation of stearic acid with different PMMA-hybrid shell materials for thermotropic materials. *SOLAR ENERGY*, 184:466–476, MAY 15 2019.
- [19] Burcu Tezcan and Bilgehan Guzel. Synthesis and characterization of new PNNP-type chiral ligands. *PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS*, 194(4-6, SI):315–316, MAY 27 2019. 22nd International Conference on Phosphorus Chemistry (ICPC), Budapest, HUNGARY, JUL 08-13, 2018.

- [20] Fatih Tezcan, Asad Mahmood, and Gulfeza Kardas. Optimizing copper oxide layer on zinc oxide via two-step electrodeposition for better photocatalytic performance in photoelectrochemical cells. *APPLIED SURFACE SCIENCE*, 479:1110–1117, JUN 15 2019.
- [21] Fatih Tezcan, Asad Mahmood, and Gulfeza Kardas. The investigation of Cu<sub>2</sub>O electrochemical deposition time effect on ZnO for water splitting. *JOURNAL OF MOLECULAR STRUCTURE*, 1193:342–347, OCT 5 2019.
- [22] H. Ulusal, F. Ulusal, M. Tarakcioglu, S. Taysi, and B. Guzel. Magnetic nanoparticle-assisted drug use in the reduction of multiple drug resistance in the acute promyelocytic leukemia cell line (HL60). *FEBS OPEN BIO*, 9(1):388, JUL 2019.
- [23] Murat Unal, Yeliz Konuklu, and Halime Paksoy. Thermal buffering effect of a packaging design with microencapsulated phase change material. *INTERNATIONAL JOURNAL OF ENERGY RESEARCH*, 43(9):4495–4505, JUL 2019.
- [24] Gurbet Yerlikaya, Eylul Busra Tapanyigit, Bilgehan Guzel, Onur Sahin, and Gulfeza Kardas. Synthesis of phosphine-containing novel Pd(II) and Ni(II) complexes: Electrochemical, photophysical and quantum chemical studies. *JOURNAL OF MOLECULAR STRUCTURE*, 1198, Article-Number: UNSP 126889, DEC 15 2019.
- [25] Deniz Yildirim, Evrim Baran, Sevgi Ates, Birgul Yazici, and S. Seyhan Tukel. Improvement of activity and stability of Rhizomucor miehei lipase by immobilization on nanoporous aluminium oxide and potassium sulfate microcrystals and their applications in the synthesis of aroma esters. *BIOCATALYSIS AND BIOTRANSFORMATION*, 37(3):210–223, MAY 4 2019.
- [26] Deniz Yildirim, Ali Toprak, Dilek Alagoz, and S. Seyhan Tukel. Protein-coated microcrystals of Prunus armeniaca hydroxynitrile lyase: an effective and recyclable biocatalyst for synthesis of (R)-mandelonitrile. *CHEMICAL PAPERS*, 73(1):185–193, JAN 2019.
- [27] Niz Yildirim, Dilek Alagoz, Ali Toprak, Seyhan Tukel, and Roberto Fernandez-Lafuente. Tuning dimeric formate dehydrogenases reduction/oxidation activities by immobilization. *PROCESS BIOCHEMISTRY*, 85:97–105, OCT 2019.