

Kimya Bölümü
2022 Yılı SCI-E Yayınları
(Kaynak: Web of Science)

- [1] Orhan Agfindik, Ozkan Aydin, Murat Farsak, and Gulfeza Kardas. A new catalyst for her: Tin-cobalt co-deposited nickel matrix. *INTERNATIONAL JOURNAL OF ENERGY RESEARCH*, 46(10):14005–14013, AUG 2022.
- [2] Abrar Ahmad, Fatih Tezcan, Gurbet Yerlikaya, Zia ur Rehman, Halime Paksoy, and Gulfeza Kardas. Solar light driven photoelectrochemical water splitting using mn-doped cds quantum dots sensitized hierarchical rosette-rod tio₂ photoanodes. *JOURNAL OF ELECTROANALYTICAL CHEMISTRY*, 916, JUL 1 2022.
- [3] Dilek Alagoz, Nazli Ece Varan, Ali Toprak, S. Seyhan Tukel, and Deniz Yildirim. Immobilization of ene reductase in polyvinyl alcohol hydrogel. *PROTEIN JOURNAL*, 41(3):394–402, JUN 2022.
- [4] Dilek Alagoz, Nazli Ece Varan, Ali Toprak, Deniz Yildirim, S. Seyhan Tukel, and Roberto Fernandez-Lafuente. Immobilization of xylanase on differently functionalized silica gel supports for orange juice clarification. *PROCESS BIOCHEMISTRY*, 113:270–280, FEB 2022.
- [5] Dilek Alagoz, Nazli Ece Varan, Deniz Yildirim, and Roberto Fernandez-Lafuente. Optimization of the immobilization of xylanase from *thermomyces lanuginosus* to produce xylooligosaccharides in a batch type reactor. *MOLECULAR CATALYSIS*, 531, OCT 2022.
- [6] Burak Ay, Rina Takano, Takayuki Ishida, and Emel Yildiz. Tricopper(ii)bis(2-((hydrogen phosphonato)methyl)benzylphosphonate) as a layered oxo-bridged copper(ii)

coordination polymer: Synthesis, structure, magnetic property, and catalytic activity. *POLYHEDRON*, 225, OCT 1 2022.

- [7] Burak Ay, Emel Yildiz, Masaya Enomoto, Atsushi Okazawa, and Norimichi Kojima. Crystal structures, gas storage and magnetic properties of lanthanide-organic frameworks built up from dicarboxylates, $[\text{Ln}(2)(2,5\text{-pydc})(2)(2,5\text{-pipdc})(\text{h}_2\text{o})(2)](\text{n})$ ($\text{Ln} = \text{ce}, \text{pr}, \text{eu}$) and $(\text{h}(2)\text{pip})(\text{n})[\text{Ln}(2)(2,6\text{-pydc})(4)(\text{h}_2\text{o})(2)]\text{n}$ ($\text{Ln} = \text{ce}, \text{pr}, \text{eu}, \text{sm}$). *POLYHEDRON*, 226, NOV 1 2022.
- [8] Evrim Baran Aydin, Sevgi Ates, and Gokmen Sigircik. Cuo-tio2 nanostructures prepared by chemical and electrochemical methods as photo electrode for hydrogen production. *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY*, 47(10):6519–6534, FEB 1 2022.
- [9] Evrim Baran Aydin, Sevgi Ates, and Birgul Yazici. Production of nanoporous alumina membranes modified with multi-walled carbon nanotube, polyacrylamide and polystyrene and use in wastewater treatment. *WATER AND ENVIRONMENT JOURNAL*, 36(4):598–607, NOV 2022.
- [10] Ercan Cinar, Ersin Akgollu, Guzide Yucebilgic, Ramazan Bilgin, and Semra Paydas. The effect of paraoxonase gene polymorphisms and paraoxonase enzyme activity on non-hodgkin lymphoma. *NUCLEOSIDES NUCLEOTIDES & NUCLEIC ACIDS*, 41(5-6):489–502, JUL 7 2022.
- [11] Onur Demirkol, Mehmet Ersatir, Elife Sultan Giray, and Saliha Kirici. Comparison of the effects of green and sustainable extraction methods on the extraction yield and chemical composition of ruta chalepensis roots. *SUSTAINABLE CHEMISTRY AND PHARMACY*, 29, OCT 2022.
- [12] Sedat Emir and Halime Paksoy. Synthesis of n-heptadecane@mgco3 and n-heptadecane@mgco3@ag microcapsules for thermal energy storage applications with green chemistry. *JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY*, 37(2):1111–1120, 2022.
- [13] Ender Faki, Sefika Turker Uzden, Acelya Secer, and Arif Hasanoglu. Hydrogen production from low temperature supercritical water co-gasification of low rank lignites with biomass. *INTERNATIONAL*

JOURNAL OF HYDROGEN ENERGY, 47(12):7682–7692, FEB 8 2022.

- [14] E. Sultan Giray, Tayfun Huyukpinar, and Ozgur Sonmez. Leaching of coals with subcritical water. *INTERNATIONAL JOURNAL OF COAL PREPARATION AND UTILIZATION*, 42(3):724–734, MAR 4 2022.
- [15] Nuri Gulesci, Guzide Yucebilgic, and Deniz Yildirim. Different spacer-arm attached magnetic nanoparticles for covalent immobilization of jack bean urease. *TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI*, 47(4):501–509, SEP 6 2022.
- [16] Sedat Gundogdu, Berna Ayat, Burak Aydogan, Cem Cevik, and Serkan Karaca. Hydrometeorological assessments of the transport of microplastic pellets in the eastern mediterranean. *SCIENCE OF THE TOTAL ENVIRONMENT*, 823, JUN 1 2022.
- [17] Mahmut Hamide, Yetkin Gok, Yeliz Demir, Gul Yakali, Tugba Taskin Tok, Aydin Aktas, Resul Sevincek, Bilgehan Guzel, and Ilhami Gulcin. Pentafluorobenzyl-substituted benzimidazolium salts: Synthesis, characterization, crystal structures, computational studies and inhibitory properties of some metabolic enzymes. *JOURNAL OF MOLECULAR STRUCTURE*, 1265, OCT 5 2022.
- [18] Guray Kilinceker, Sema Celik, Farhad Zarifi, and Koray Sayin. Experimental and computational investigation of variamine blue as an inhibitor for copper in chloride solution. *JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY*, 43(5):769–775, APR 7 2022.
- [19] Sifa Kir, Ilyas Dehri, Yunus Onal, Ramazan Esen, and Canan Akmil Basar. The investigation of structural alteration of raw materials used to attain graphene quantum dots in different prolysis conditions. *SURFACES AND INTERFACES*, 29, APR 2022.
- [20] Ramazan Seriner, Kenan Daglioglu, Gulfidan Coskun, and Ramazan Bilgin. Examination of the effect of curcumin in experimental liver damage created by diethylnitrosamine in swiss albino mice to superoxide dismutase and catalase activities and glutathione, malondialdehyde, and advanced oxidation protein products levels. *BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY*, 69(3):1217–1225, JUN 2022.
- [21] Rina Takano, Takayuki Ishida, and Burak Ay. Synthesis, crystal structure, and luminescence properties of a three-dimensional coordination

- polymer from europium(iii) carbonate hemioxalate hydrate. *CRYSTENGCOMM*, 24(44):7786–7792, NOV 14 2022.
- [22] Burcu Tezcan, Yetkin Gok, Resul Sevincek, Parham Taslimi, Tugba Taskin-Tok, Aydin Aktas, Bilgehan Guzel, Muhittin Aygun, and Ilhami Gulcin. Benzimidazolium salts bearing the trifluoromethyl group as organofluorine compounds: Synthesis, characterization, crystal structure, in silico study, and inhibitory profiles against acetylcholinesterase and alpha-glycosidase. *JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY*, 36(4), APR 2022.
- [23] Burcu Tezcan, Mustafa Kemal Yilmaz, Gul Yakali, Muhittin Aygun, and Bilgehan Guzel. Palladium complexes of pnpn type diiminodiphosphine ligands for the suzuki c-c coupling reactions. *INORGANICA CHIMICA ACTA*, 543, DEC 1 2022.
- [24] Fatih Tezcan, Abrar Ahmad, Gurbet Yerlikaya, Zia ur Rehman, Halime Paksoy, and Gulfeza Kardas. The investigation of cds-quantum-dot-sensitized ag-deposited tio2 nras in photoelectrochemical hydrogen production. *NEW JOURNAL OF CHEMISTRY*, 46(19):9290–9297, MAY 16 2022.
- [25] Fatih Tezcan, Abrar Ahmad, Gurbet Yerlikaya, Gulfeza Zia-ur Rehman, Halime Paksoy, and Gulfeza Kardas. Criss-crossed a-fe₂o₃ nanorods/bi₂s₃ heterojunction for enhanced photoelectrochemical water splitting. *FUEL*, 324(A), SEP 15 2022.
- [26] Fatih Tezcan, Meltem Kahya Dudukcu, and Gulfeza Kardas. Photocorrosion protection of bivo₄ electrode by alpha-cr₂o₃ core-shell for photoelectrochemical hydrogen production. *JOURNAL OF ELECTROANALYTICAL CHEMISTRY*, 920, SEP 1 2022.
- [27] M. Yildirim, Z. N. Unal, M. Ersatir, D. Yetkin, U. Degirmenci, and E. S. Giray. Anti-inflammatory effects of coumarin-selenophene derivatives on lps-stimulated raw 264.7 macrophage cells. *RUSSIAN JOURNAL OF BIOORGANIC CHEMISTRY*, 48(6):1209–1214, DEC 2022.