

2024 YAYINLARI

MAKALE

SCI, SCI-Expanded, SSCI ve AHCI Kapsamındaki Dergilerde Yayınlanan Makaleler

1. Aytekin, M.E., Akyol, M. & **Özkurt, B.** (2024). Improvement in electrical properties of Bi-2212 superconducting materials substituted with large-scale nano-sized tin. *Appl. Phys. A* **130**, 78.
2. Kaya, G., Koc, E.O., Özdemir, S., Yalçın M.S., **Ocakoğlu K.** & Dizge N. (2024). The Syntheses of Chromium Aluminum Carbide (Cr₂AlC) MAX Phase and Cr₂CT_x MXene and Investigation of Their Antimicrobial Properties. *Appl Biochem Biotechnol* **196**.
3. Bouali, W., Genc, A.A., Erk, N., Kaya G., Sert B. & **Ocakoğlu K.** (2024). Development of a Cr₂AlC MAX phase/g-C₃N₄ composite-based electrochemical sensor for accurate cabotegravir determination in pharmaceutical and biological samples. *Microchim Acta* **191**, 135.
4. Küçükosman, R., Değirmenci, H., Yontar, A. A., & **Ocakoglu, K.** (2024). Combustion Behavior of Fuel Droplets with Metallic, Non-Metallic and Organo-Metallic Boron Additives. *Combustion Science and Technology*, 1–30.
5. Eskikaya O., Kucukosman R., Ozdemir, S., Yalcin M.S., **Ocakoglu K.**, Dizge N. (2024). Investigation of the treatment and antibacterial properties of pollutant-containing water using black phosphorus blended polyethersulfone membranes, *Journal of Water Process Engineering*, Volume 57.
6. Eskikaya, O., Küçükosman, R., **Ocakoglu, K.** et al. (2024). The Usability of Polymer-Doped Black Phosphorus (BP@PVDF) as a Photocatalyst for Dye Removal in a Photocatalytic System. *Top Catal.*
7. Kaya G., Eskikaya O., Kucukosman R., **Ocakoglu K.**, Dizge N., Balakrishnan D., Chohan J.S., (2024). A comprehensive review on the usability of black phosphorus in energy and wastewater treatment, *Gondwana Research*.
8. Xia J., Labella J., Demircioglu P.K., Pérez-Escribano M., Calbo J., Asiri A.M., Ortí E., **Ince M.**, Nazeeruddin, M.K. and Torres T. (2024). Cu(II) and Ni(II) Phthalocyanine-Based Hole-Transporting Materials for Stable Perovskite Solar Cells with Efficiencies Reaching 20.0%, *Research Article*.
9. İsmail Öztürk, Derya Özel, Şifa Doğan, Ayça Tunçel, Fatma Yurt, Yamaç Tekintaş, Perihan Kübra Demircioglu, **Mine Ince** (2024). Unveiling combat strategies against Candida spp. biofilm structures: Demonstration of photodynamic inactivation with innovative phthalocyanine derivatives, *Journal of Photochemistry and Photobiology A: Chemistry*, 454,115746.
10. Doğan Şifa, Buket Güntay, Perihan Kübra Demircioğlu, Yiğit Osman Akyıldız, Hasan Aydın, Mustafa Can, İmren Hatay Patır, **Mine İnce Ocakoğlu**, (2024). Solar light-driven hydrogen evolution by co-catalyst-free subphthalocyanine-sensitized photocatalysts, *New Journal of Chemistry*.
11. Fatih Öksüzoğlu, Şule Ateş, **Osman Murat Özkendir**, Gültekin Çelik, Yasin Ramazan Eker, Bavegar Hadi, Basyooni Mohamed A., Kabatas M., (2024). The Impact of Boron Compounds on the Structure and Ionic Conductivity of LATP Solid Electrolytes, *Materials*.
12. Fatih Öksüzoğlu, Şule Ateş, **Osman Murat Özkendir**, Gültekin Çelik, Yasin Ramazan Eker, Hadi Baveghar, (2024). Structure and ionic conductivity of NASICON-type LATP solid

electrolyte synthesized by the solid-state method, *Ceramics International*, Volume 50, Issue 17, Part B, Pages 31435-31441.

13. Selen Günaydın, Hidetoshi Miyazaki, Bavegar Hadi, Sevda Saran, Gültekin Çelik, Messaoud Harfouche, Mahmoud Abdellatief, **Osman Murat Özkendir** (2024). The Effect of CrFe_2O_4 Addition on the Ionic Conductivity Properties of Manganese-Substituted LiFeO_2 Material. *J. Electron. Mater.* **53**, 367–379 (2024).
14. Kunduraci, M., Boyaci, H., Görmez, Ö., Uğur Çağlayan, Doğan Çirimi, **Osman Murat Özkendir**, Messaoud Harfouche, Belgin Gözmen Sönmez (2024). Long-life (Co, Al, Mg)-doped $\text{LiMn}_{1.5}\text{Ni}_{0.5}\text{O}_4$ cathodes prepared by co-precipitation method. *J Solid State Electrochem* **28**, 3275–3283 (2024).
15. Nassim Ahmed Mahammedi, Afif Benameur, Hamza Gueffaf, Boualem Merabet, **Osman Murat Ozkendir**, Shin-Ichiro Sato, (2024). Investigating a Pb-free n-i-p perovskite solar cell with BFCO absorber using SCAPS-1D, *Optik*, Volume 302, 171659.
16. Ezircan, A., Aslan, M. S., Miyazaki, H., Akyol, M., **Ozkendir, O. M.**, Ekicibil, A., & Öztürk, H. (2024). Electronic and magnetic properties of boron substituted CuFeO_2 delafossite oxide. *Philosophical Magazine*, 104(11–12), 519–536.
17. G.l. Zhang, z. W. Jiao, g. X. Zhang, m. R. Cortes, s. P. Hu, j. Q. Qian, Daniele Mengoni, w. W. Gu, C. B. Li, y. Zheng, h. Q. Zhang, h. B. Sun, n. Wang, c. L. Zhang, Jose Valiente Dobon, d. Testov, m. Mazzocco, a. Gozzelino, c. Parascandolo, c. Pierroutsakou, m. La Commara, a. Goasduff, dino Bazzacco, Daniel Napoli, f. Galtarossa, Francesco Recchia, a. illana, s. Bakes, i Zanon, **Sezgin Aydın**, Giacomo de Angelis, M Siciliano, Roberto Menegazzo, Silvia m. Lenzi, Serkan Akkoyun, l.f. Canto, j. Lubian (2024). Further investigation on the fusion of ^6Li with ^{209}Bi target at near-barrier energies*, *Chinese Physics C*.
18. Deniz Ustun, **Serap Sahinkaya**, Nurdan Atli (2024). Developing a secure image encryption technique using a novel S-box constructed through real-coded genetic algorithm's crossover and mutation operators, *Expert Systems with Applications*, Volume 256, 124904.
19. Adrian KORBAN, **Serap ŞAHİNKAYA**, Deniz ÜSTÜN, (2024). An application of a virus optimization algorithm to the problem of computing binary self-dual and LCD codes, *Advances in Mathematics of Communications*, 18,5, 1390-1405.
20. Dougherty, S.T., **Sahinkaya, S.** & Ustun, D. (2024). A novel method for image encryption using time signature-dependent s-boxes based on latin squares and the playfair system of cryptography. *Multimed Tools Appl* 83, 4167–4194.
21. Steven Dougherty, Adrian Korban, **Serap Şahinkaya**, Deniz Ustun. (2024). Binary self-dual and LCD codes from generator matrices constructed from two group ring elements by a heuristic search scheme. *Advances in Mathematics of Communications*, 18(4): 922-934.
22. Deniz Ustun, **Serap Sahinkaya**, Nurdan Atli, (2024). Developing a secure image encryption technique using a novel S-box constructed through real-coded genetic algorithm's crossover and mutation operators, *Expert Systems with Applications*, Volume 256, 124904.
23. Steven Dougherty, Adrian Korban, **Serap Şahinkaya**, Deniz Ustun. (2024). DNA codes from skew dihedral group ring. *Advances in Mathematics of Communications*.
24. Steven T. Dougherty, **Serap Şahinkaya**, (2024). On cyclic and negacyclic codes with one-dimensional hulls and their applications. *Advances in Mathematics of Communications*, 2024, 18(5): 1364-1378.
25. Dougherty, S.T., **Şahinkaya, S.** & Ustun, D. (2024). On additive codes with one-rank hulls. *AAECC*, <https://doi.org/10.1007/s00200-024-00663-5>.
26. Adrian Korban, **Serap Sahinkaya**, Deniz Ustun. (2024). New type I binary $[72, 36, 12]$ self-dual codes from $M_6(\mathbb{F}_2)G$ - Group matrix rings by a hybrid search technique based on a

- neighbourhood-virus optimisation algorithm. *Advances in Mathematics of Communications*, 18(4): 878-891.
27. Adrian Korban, **Serap Şahinkaya**, Deniz Ustun. (2024). A novel genetic search scheme based on nature-inspired evolutionary algorithms for binary self-dual codes. *Advances in Mathematics of Communications*, 18(4): 892-908.
28. **Aysel Özfidan**, (2024). Energy spectrum and applications of Eckart plus Hellmann potential in hyperspherical coordinates, *Chinese Journal of Physics*, Volume 88, Pages 77-88.
29. Wiem Bouali, Nevin Erk, Buse Sert, **Ersan Harputlu** (2024). Evaluating the simultaneous electrochemical determination of antineoplastic drugs using LaNiO₃/g-C₃N₄@RGH nanocomposite material, *Talanta*, Volume 278, 126486.
30. **Mine Akbas**, Amanda E. Diegel, Leo G. Rebholz (2024). Continuous data assimilation of a discretized barotropic vorticity model of geophysical flow, *Computers & Mathematics with Applications*, Volume 160, Pages 30-45.
31. **Altınok M.**, Küçükaslan M. (2024). A chacterization of h-strongly porous subsets of R, *Filomat*, 38(16), 5807-5818.

Uluslararası Diğer Endeks Kapsamındaki Dergilerde Yayınlanan Makaleler

1. **Yıldız Z.** (2024). Dünya’da ve Türkiye’de Deprem sonrası Yangınlar, *Uluslararası Yakıtlar, Yangın ve Yanma Dergisi*.
2. Küçükaslan M., **Altınok M.** (2024). On the properties of limit and cluster points of real valued sequences in the sense of porosity, *Southeast Asian Bulletin of mathematics*, 48(4), 445-458.

ULAKBİM TR Dizin Kapsamındaki Dergilerde veya Diğer Ulusal Hakemli Dergilerde Yayınlanan Makaleler

1. Sert, B., & **Harputlu, E.** (2024). Bor nitrür kuantum nokta-grafen hidrojel kompozitinin süper kapasitör uygulaması. *Niğde Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi*, 13(2), 713-720.
2. Coşkun, A., & **Topaklı, H.** (2024). Theoretical Investigation of Gamma Attenuation Properties of Some Metal Oxides with GEANT4-GATE Simulation. *Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi*, 28(3), 543-550.

KİTAPLAR

1. **Şahinkaya, S.**, Ustun, D. (2024). Utilizing Ant Colony Optimization to Construct an S-Box Based on the 2D Logistic-Sine Coupled Map. In: Dey, N. (eds) *Applications of Ant Colony Optimization and its Variants*. Springer Tracts in Nature-Inspired Computing. Springer, Singapore.
2. **Yıldız Z.**, (2024). Mühendislik alanında Uluslararası Çalışmalar, *Serüven Yayınları*, 978-625-6644-86-1.
3. **Yıldız Z.**, (2024). Biyosistem Mühendisliğinde Güncel Konular, *BİDGE*, 978-625-372-187-9.

4. **Yıldız Z.**, (2024). Kimya Mühendisliği, Yaz Yayınları, 978-625-6104-65-5.
5. **Tarsuslu (Yılmaz), S.**, Çuvalcıoğlu, G. (2024). An Application of Controlled Sets in Medical Diagnosis. In: Melin, P., Castillo, O. (eds) New Directions on Hybrid Intelligent Systems Based on Neural Networks, Fuzzy Logic, and Optimization Algorithms. Studies in Computational Intelligence, vol 1146. Springer, Cham.