

Res. Asst. EMRE İLTER

Personal Information

Office Phone: [+90 212](tel:+90212)

Email: emre.ilter@yildiz.edu.tr

Other Email: emreilterr@gmail.com

Web: <https://avesis.yildiz.edu.tr/17562>

Address: Yıldız Teknik Üniversitesi, Davutpaşa Kampüsü Kimya-Metalurji Fakültesi, Metalurji ve Malzeme Mühendisliği Bölümü
KMC-105 Optik Malzemeler ve Spektroskopi Laboratuvarı, 34220 Esenler / İstanbul

International Researcher IDs

ORCID: 0009-0004-6562-4903

Publons / Web Of Science ResearcherID: JAD-2132-2023

Yoksis Researcher ID: 406496

Education Information

Postgraduate, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Metallurgical And Materials Engineering, Turkey 2023 - Continues

Undergraduate Double Major, Yıldız Technical University, Faculty Of Arts & Science, Department Of Physics, Turkey 2021 - Continues

Undergraduate, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Metallurgical And Materials Engineering, Turkey 2018 - 2023

Research Areas

Material science and engineering, Semiconductor and Superconductor Materials, Optical Properties, Glass Technology and Glass Ceramics, Material Characterization, Nanomaterials, Structure-Property Relationship, Equations of State, Phase Equilibria, and Phase Transitions, Structure of Liquids and Solids; Crystallography, Thermal Properties of Condensed Matter, Electronic structure of bulk material, Optical Properties, Spectroscopy of Matter

Published journal articles indexed by SCI, SSCI, and AHCI

- Sm²⁺-doped CsPbBr₃ perovskite quantum dot glass nanocomposites for enhanced plant growth lighting**
EKİM U., İLTER E., Çelik H. S., Genç A., Slater T. J., ÇELİKBİLEK ERSUNDU M., ERSUNDU A. E.
Materials Today Chemistry, vol.45, 2025 (SCI-Expanded)
- Glass-based LED system for indoor horticulture: enhanced plant growth through Sm³⁺ and Tm³⁺ co-doped luminescent glasses**
EKİM U., İlter E., Özhan E., Temürhan Y., ÇELİKBİLEK ERSUNDU M., ERSUNDU A. E.
Physical Chemistry Chemical Physics, vol.25, no.34, pp.23150-23163, 2023 (SCI-Expanded)

Metrics

Publication: 2

Citation (Scopus): 2

H-Index (Scopus): 1