

Res. Asst. Utku EKİM

Personal Information

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International Researcher IDs

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Biography

Utku EKİM

Education Information

Doctorate, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Metallurgical And Materials Engineering, Turkey 2023 - Continues

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Metalurji ve Malzeme Mühendisliği, Turkey 2021 - 2023

Undergraduate, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Metallurgical And Materials Engineering, Turkey 2016 - 2021

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Metallurgical and Materials Engineering, Material science and engineering

Academic Titles / Tasks

Research Assistant, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Metallurgical And Materials Engineering, 2021 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- Advanced temperature sensing with Er³⁺/Yb³⁺ co-doped Ba₂GdV₃O₁₁ phosphors through upconversion luminescence**
Kachou I, Saidi K, EKİM U, Dammak M., ÇELİKBİLEK ERSUNDU M., ERSUNDU A. E.
Dalton Transactions, vol.53, no.5, pp.2357-2372, 2024 (SCI-Expanded)

- II. **Glass-based LED system for indoor horticulture: enhanced plant growth through Sm³⁺ and Tm³⁺ co-doped luminescent glasses**
EKİM U., İler E., Özan E., Temürhan Y., ÇELİKBİLEK ERSUNDU M., ERSUNDU A. E.
Physical Chemistry Chemical Physics, vol.25, no.34, pp.23150-23163, 2023 (SCI-Expanded)
- III. **Ultra-stable Eu³⁺/Dy(3+)co-doped CsPbBr₃ quantum dot glass nanocomposites with tunable luminescence properties for phosphor-free WLED applications**
EROL E., Vahedigharehchopogh N., EKİM U., Uza N., ÇELİKBİLEK ERSUNDU M., ERSUNDU A. E.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.909, 2022 (SCI-Expanded)

Supported Projects

ERSUNDU A. E., ÇELİKBİLEK ERSUNDU M., AKYOL F., BOZDOĞAN A., EKİM U., Project Supported by Higher Education Institutions, Optik termometri uygulamalarına yönelik nadir toprak elementi katkılı fosforların geliştirilmesi, 2023 - Continues

ÇELİKBİLEK ERSUNDU M., ERSUNDU A. E., OSBORNE C., EKİM U., YERÇİ S., CROFT H., RANDLE-BOGGİS R., ASADİ E., Project Supported by Higher Education Institutions, Agri-LSC: Sürdürülebilir tarım uygulamalarına yönelik yeni nesil cam nanokompozit esaslı lüminesan güneş yoğunlaştırıcılar, 2023 - Continues

Metrics

Publication: 3

Citation (Scopus): 17

H-Index (Scopus): 1

Congress and Symposium Activities

4th International Conference on Photonics Research, Working Group, Muğla, Turkey, 2022