

## Res. Asst. Erdiñç EROL

### Personal Information

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### Education Information

Doctorate, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Metalurji Ve Malzeme Mühendisliği, Turkey 2018 - Continues

Postgraduate, Karamanoğlu Mehmetbey Üniversitesi, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği, Turkey 2015 - 2017

Postgraduate, Gebze Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Malzeme Bilimi Ve Mühendisliği, Turkey 2015 - 2015

Undergraduate, Gebze Teknik Üniversitesi, Mühendislik Fakültesi, Malzeme Bilimi Ve Mühendisliği, Turkey 2010 - 2015

### Dissertations

Postgraduate, İki Adımlı Elektrokimyasal Kaplama Yöntemiyle Yeni Nesil  $Cu_2XSnS_4$  ( $X= Co^{+2}, Fe^{+2}, Mn^{+2}, Ni^{+2}, Zn^{+2}$ ) İnce Filmlerinin Sentezi Ve Karşıt Elektrot Olarak Boya-Duyarlı Güneş Pili Uygulamaları, Karamanoğlu Mehmetbey Üniversitesi, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği, 2017

### Research Areas

Metallurgical and Materials Engineering, Production Metallurgy, Non Metallic Materials Production, Engineering and Technology

### Academic Titles / Tasks

Research Assistant, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Metalurji Ve Malzeme Mühendisliği, 2019 - Continues

Research Assistant, Manisa Celal Bayar Üniversitesi, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği, 2017 - 2019

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Robust  $CsPbBr_3$  and  $CdSe/Dy^{3+}/CdSe$  quantum dot doped glass nanocomposite hybrid coupling as color converter for solid-state lighting applications**  
Kıbrışlı O., Erol E., Çelikkilek Ersundu M., Ersundu A. E.  
CHEMICAL ENGINEERING JOURNAL, vol.420, 2021 (Journal Indexed in SCI)
- II. **A straightforward approach for high-end anti-counterfeiting applications based on NIR laser-driven lanthanide doped luminescent glasses**  
Vahedigharehchopogh N., Kibrisli O., Erol E., Çelikkilek Ersundu M., Ersundu A. E.

JOURNAL OF MATERIALS CHEMISTRY C, vol.9, no.6, pp.2037-2046, 2021 (Journal Indexed in SCI)

III. **Size-controlled emission of long-time durable CsPbBr<sub>3</sub> perovskite quantum dots embedded tellurite glass nanocomposites**

Erol E., Kibrışlı O., Çelikkilek Ersundu M., Ersundu A. E.

CHEMICAL ENGINEERING JOURNAL, vol.401, 2020 (Journal Indexed in SCI)

IV. **The synergistic effect of Er<sup>3+</sup> and Ho<sup>3+</sup> on temporal color tuning of upconversion emission in a glass host via a facile excitation modulation technique for anti-counterfeiting applications**

Erol E., Kibrışlı O., Vahedigharehchopogh N., Çelikkilek Ersundu M., Ersundu A. E.

PHYSICAL CHEMISTRY CHEMICAL PHYSICS, vol.22, no.44, pp.25963-25972, 2020 (Journal Indexed in SCI)

V. **Enhancing the electron transfer and band potential tuning with long-term stability of ZnO based dye-sensitized solar cells by gallium and tellurium as dual-doping**

Akin S., Erol E., Sonmezoglu S.

ELECTROCHIMICA ACTA, vol.225, pp.243-254, 2017 (Journal Indexed in SCI)

### **Edit Congress and Symposium Activities**

European Materials Research Society, E-MRS, Attendee, Warszawa, Poland, 2017

2nd International Conference on Organic Electronic Material Technologies, OEMT'16,, Attendee, Çanakkale, Turkey, 2016

IV.Energy Technologies Conference, ENTECH'16,, Attendee, İstanbul, Turkey, 2016

### **Citations**

Total Citations (WOS):28

h-index (WOS):2