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International Researcher IDs

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Publons / Web Of Science ResearcherID: L-6453-2017

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Education Information

Doctorate, Abdullah Gul University, Fen Bilimleri Enstitüsü, Malzeme Bilimi Ve Makine Mühendisliği, Turkey 2016 - Continues

Masters (Non-Thesis), Carnegie Mellon University, Mühendislik Fakültesi, Malzeme Bilimi Ve Mühendisliği, United States Of America 2013 - 2015

Undergraduate, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Metalürji Ve Malzeme Mühendisliği, Turkey 2006 - 2011

Foreign Languages

English, C2 Mastery

Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Nanomaterials, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Abdullah Gul University, Mühendislik Fakültesi, Nanoteknoloji Mühendisliği, 2016 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Toward sustainable optoelectronics: solution-processed quantum dot photodetector fabrication using a surgical blade**
SAVAŞ M., Yazıcı A. F., BİÇER A., MUTLUGÜN E., ERDEM T.
Optical Engineering, vol.62, no.2, 2023 (SCI-Expanded)
- II. **Nanowire-Shaped MoS₂@MoO₃ Nanocomposites as a Hole Injection Layer for Quantum Dot Light-Emitting Diodes**
Bastami N., Soheyli E., Arslan A., Sahraei R., YAZICI A. F., MUTLUGÜN E.
ACS APPLIED ELECTRONIC MATERIALS, vol.4, no.8, pp.3849-3859, 2022 (SCI-Expanded)

- III. **Color Enrichment Solids of Spectrally Pure Colloidal Quantum Wells for Wide Color Span in Displays**
ERDEM T., SORAN ERDEM Z., Isik F., Shabani F., YAZICI A. F., MUTLUGÜN E., Gaponik N., DEMİR H. V.
ADVANCED OPTICAL MATERIALS, vol.10, no.14, 2022 (SCI-Expanded)
- IV. **Natural Wax-Stabilized Perovskite Nanocrystals as Pen-on-Paper Inks and Doughs**
Ocal S. K., KİREMİTLER N. B., YAZICI A. F., ÇELİK N., MUTLUGÜN E., ÖNSES M. S.
ACS APPLIED NANO MATERIALS, vol.5, no.5, pp.6201-6212, 2022 (SCI-Expanded)
- V. **Highly luminescent ZnCdTeS nanocrystals with wide spectral tunability for efficient color-conversion white-light-emitting-diodes**
Soheyli E., Zargoush S., YAZICI A. F., Sahraei R., MUTLUGÜN E.
JOURNAL OF PHYSICS D-APPLIED PHYSICS, vol.54, no.50, 2021 (SCI-Expanded)
- VI. **Long-time stable colloidal Zn-Ag-In-S quantum dots with tunable midgap-involved emission**
Sabzevari Z., Sahraei R., Jawhar N. N., YAZICI A. F., MUTLUGÜN E., Soheyli E.
JOURNAL OF APPLIED PHYSICS, vol.129, no.6, 2021 (SCI-Expanded)
- VII. **Rational design of chemical bath deposition technique for successful preparation of Mn-doped CdS nanostructured thin films with controlled optical properties**
Kharabaneh F. K., Ghavidel E., Soheyli E., Yazıcı A. F., Jawhar N. N., Mutlugün E., Sahraei R.
CERAMICS INTERNATIONAL, vol.47, no.4, pp.5523-5533, 2021 (SCI-Expanded)
- VIII. **Osmotic-Pressure-Induced Nematic Ordering in Suspensions of Laponite and Carboxy Methyl Cellulose**
Xu P., YAZICI A. F., ERDEM T., Lekkerkerker H. N. W., MUTLUGÜN E., Eiser E.
JOURNAL OF PHYSICAL CHEMISTRY B, vol.124, no.42, pp.9475-9481, 2020 (SCI-Expanded)
- IX. **A hybridized local and charge transfer excited state for solution-processed non-doped green electroluminescence based on oligo(p-phenyleneethynylene)**
USTA H., Alimli D., ÖZDEMİR R., Tekin E., ALKAN F., Kacar R., Altas A. G., Dabak S., Gurek A. G., MUTLUGÜN E., et al.
JOURNAL OF MATERIALS CHEMISTRY C, vol.8, no.24, pp.8047-8060, 2020 (SCI-Expanded)
- X. **Preparation of highly emissive and reproducible Cu-In-S/ZnS core/shell quantum dots with a mid-gap emission character**
Jawhar N. N., Soheyli E., YAZICI A. F., MUTLUGÜN E., Sahraei R.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.824, 2020 (SCI-Expanded)
- XI. **Multiplexed patterning of cesium lead halide perovskite nanocrystals by additive jet printing for efficient white light generation**
ALTINTAS Y., TÖRÜN İ., YAZICI A. F., Beskazak E., ERDEM T., ÖNSES M. S., MUTLUGÜN E.
CHEMICAL ENGINEERING JOURNAL, vol.380, 2020 (SCI-Expanded)
- XII. **Excitonic interaction amongst InP/ZnS salt pellets**
ALTINTAS Y., YAZICI A. F., ÜNLÜ M., DADI Ş., GENÇ S., MUTLUGÜN E.
JOURNAL OF MATERIALS CHEMISTRY C, vol.5, no.29, pp.7328-7336, 2017 (SCI-Expanded)

Articles Published in Other Journals

- I. **Solid-State Encapsulation and Color Tuning in Films of Cesium Lead Halide Perovskite Nanocrystals for White Light Generation**
Torun I., Altintas Y., Yazıcı A. F., Mutlugün E., Önses M. S.
ACS APPLIED NANO MATERIALS, vol.2, pp.1185-1193, 2019 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Simple, sustainable fabrication of fully solution-processed, transparent, metal-semiconductor-metal photodetectors using a surgical blade as an alternative to conventional tools**
SAVAŞ M., YAZICI A. F., Arslan A., MUTLUGÜN E., ERDEM T.

Conference on Nanophotonics IX Part of SPIE Photonics Europe Conference, Strasbourg, France, 3 April - 20 May 2022, vol.12131

II. Color Simulation and Demonstration of Perovskite Nanocrystal Filters for Wide Color Gamut Displays

GENÇ S., YAZICI A. F., Beskazak E., Uran C., MUTLUGÜN E.

31st Annual Conference of the IEEE Photonics Society, IPC 2018, Virginia, United States Of America, 30 September - 04 October 2018

III. Arrays of multi-color emitting cesium lead halide perovskite nanocrystals and efficient white light generation by tailored anion exchange reactions and electrohydrodynamic jet printing

ALTINTAS Y., TÖRÜN İ., YAZICI A. F., Beskazak E., ÖNSES M. S., MUTLUGÜN E.

Solid-State Lighting, SSL 2018, Singapore, Singapore, 5 - 08 November 2018

Metrics

Publication: 16

Citation (WoS): 65

Citation (Scopus): 130

H-Index (WoS): 4

H-Index (Scopus): 6

Non Academic Experience

Company, Nanome Nanotechnology, R&D