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Personal Information

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Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Turkey 2018 - 2022

Post Graduate, Erciyes University, Fen Bilimleri Enstitüsü, Turkey 2016 - 2018

Under Graduate, Erciyes University, Mühendislik Fakültesi, Turkey 2011 - 2016

Dissertations

Post Graduate, Yüksek mekanik dayanımlı saydam süperhidrofobik kaplamaların üretilmesi ve karakterizasyonu, Erciyes University, Fen Bilimleri Enstitüsü, 2018

Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Composites, Polymeric Materials, Plating, Nanomaterials, Surface Analysis, Engineering and Technology

Academic Titles / Tasks

Lecturer, Erciyes University, Nanaoteknoloji Uygulama Ve Araştırma Merkezi (ERNAM), 2019 - Continues

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

- **Fabrication of robust superhydrophobic surfaces by one-step spray coating: Evaporation driven self-assembly of wax and nanoparticles into hierarchical structures**
ÇELİK N., TÖRÜN İ., Ruzi M., Esidir A., ÖNSES M. S.
Chemical Engineering Journal, vol.396, 2020 (Journal Indexed in SCI Expanded)
- **Usage of natural chitosan membrane obtained from insect corneal lenses as a drug carrier and its potential for point of care tests**
İkl S., Ramanauskaite A., Bilican B. K. , Mulercikas P., Cam D., ÖNSES M. S. , TÖRÜN İ., Kazlauskaitė S., Baublys V., AYDIN Ö., et al.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.112, 2020 (Journal Indexed in SCI)
- **Multiplexed patterning of cesium lead halide perovskite nanocrystals by additive jet printing for efficient white light generation**
ALTINTAS Y., Torun İ., YAZICI A. F. , Beskazak E., Erdem T., Onses M. S. , MUTLUGÜN E.
CHEMICAL ENGINEERING JOURNAL, vol.380, 2020 (Journal Indexed in SCI)

- **Writing chemical patterns using electrospun fibers as nanoscale inkpots for directed assembly of colloidal nanocrystals**
Kiremitter N. B. , TÖRÜN İ., ALTINTAS Y., Patarroyo J., Demir H. V. , Puntos V. F. , Mutlugun E., ÖNSES M. S.
NANOSCALE, vol.12, pp.895-903, 2020 (Journal Indexed in SCI)
- **Superhydrophobic coatings made from biocompatible polydimethylsiloxane and natural wax**
Torun İ., Ruzi M., Er F., Onses M. S.
PROGRESS IN ORGANIC COATINGS, vol.136, 2019 (Journal Indexed in SCI)
- **One-step deposition of hydrophobic coatings on paper for printed-electronics applications**
Gozutok Z., Kinj O., Torun İ., ÖZDEMİR A. T. , ÖNSES M. S.
CELLULOSE, vol.26, pp.3503-3512, 2019 (Journal Indexed in SCI)
- **Water Impact Resistant and Antireflective Superhydrophobic Surfaces Fabricated by Spray Coating of Nanoparticles: Interface Engineering via End-Grafted Polymers**
TORUN İ., CELİK N., Hancer M., ES F., EMİR C., TURAN R., ÖNSES M. S.
MACROMOLECULES, vol.51, pp.10011-10020, 2018 (Journal Indexed in SCI)
- **Robust superhydrophobicity on paper: Protection of spray-coated nanoparticles against mechanical wear by the microstructure of paper**
TORUN İ., ÖNSES M. S.
SURFACE & COATINGS TECHNOLOGY, vol.319, pp.301-308, 2017 (Journal Indexed in SCI)
- **Assembly of Plasmonic Nanoparticles on Nanopatterns of Polymer Brushes Fabricated by Electrospin Nanolithography**
Kiremitter N. B. , Pekdemir S., Patarroyo J., Karabel S., Torun İ., Puntos V. F. , Önses M. S.
ACS MACRO LETTERS, vol.6, pp.603-608, 2017 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Fabrication of superhydrophobic Ag@ZnO@Bi2WO6 membrane disc as flexible and photocatalytic active reusable SERS substrate**
Korkmaz I., ŞAKİR M., SARP G., Salem S., TÖRÜN İ., Volodkin D., Yavuz E., ÖNSES M. S. , YILMAZ E.
Journal of Molecular Structure, vol.1223, 2021 (Refereed Journals of Other Institutions)
- **Solid-State Encapsulation and Color Tuning in Films of Cesium Lead Halide Perovskite Nanocrystals for White Light Generation**
Torun İ., ALTINTAS Y., YAZICI A. F. , MUTLUGÜN E., ÖNSES M. S.
ACS APPLIED NANO MATERIALS, vol.2, pp.1185-1193, 2019 (Journal Indexed in ESCI)

Refereed Congress / Symposium Publications in Proceedings

- **The relationship of surface roughness and wettability of 316L stainless steel implants with plastic deformation mechanisms**
Cicek S., Karaca A., Torun İ., ÖNSES M. S. , UZER B.
1st International Conference on Materials, Mimicking, Manufacturing from and for Bio Application (BioM&M), Milan, Italy, 27 - 29 June 2018, vol.7, pp.389-393
- **Arrays of Multi-Color Emitting Cesium Lead Halide Perovskite Nanocrystals and Efficient White Light Generation by Tailored Anion Exchange Reactions and Electrohydrodynamic Jet Printing**
MUTLUGÜN E., TÖRÜN İ., ÖNSES M. S.
Light, Energy and the Environment 2018 (E2, FTS, HISE, SOLAR, SSL), Singapore, Singapore, 5 - 08 November 2018
- **Assemblies of Plasmonic Nanoparticles on Patterns of End-grafted Poly(ethylene Glycol) Layers Fabricated by Electrohydrodynamic Jet Printing”, 14th NANOSCIENCE AND NANOTECHNOLOGY CONFERENCE**
PEKDEMİR S., KİREMİTLER N. B. , TÖRÜN İ., ÖNSES M. S.

NANOTR14, İzmir, Turkey, 22 - 25 September 2018

Self-cleaning and highly transparent coatings based on endgrafted polymers for photovoltaic applications

Törün İ., Celik N., Hancer M., Es F., Emir C., Turan R., Önses M. S.

PVCON 2018, Ankara, Turkey, 4 - 06 July 2018

Understanding the Influence of Plastic Deformation Mechanisms on Implant Surface Properties

TÖRÜN İ., ÖNSESES M. S.

The First International Conference on Materials, Mimicking, Manufacturing from and for Bio Application, Milan, Italy, 26 - 28 June 2018

The Effect of Substrate Hydrophobicity on the Resolution of the Chemical Patterns Fabricated by Electrospinning

TÖRÜN İ., KİREMİTLER N. B. , ÖNSESES M. S.

13th NANOSCIENCE AND NANOTECHNOLOGY CONFERENCE (NANOTR13), Antalya, Turkey, 22 - 25 October 2017

Supported Projects

ÖNSESES M. S. , ERTAŞ Y. N. , YILMAZ E., PEKDEMİR S., TÖRÜN İ., ŞAKİR M., AYDIN Ö., ÖZDEMİR A. T. , YILDIZ F., Project Supported by Higher Education Institutions, Sensör Uygulamaları için Nanoyapılı Plazmonik Yüzeylerin Üretilmesi ve Karakterizasyonu, 2020 - Continues

Mutlugün E., TUBITAK Project, Hibrit Kuantum Noktacık-Nanofiber Esnek Elektrolüminesant Aygıtlar, 2017 - 2019

Törün İ., Önses M. S. , Project Supported by Higher Education Institutions, Yüksek mekanik dayanımlı saydam süperhidrofobik kaplamaların üretilmesi ve karakterizasyonu, 2017 - 2018

Citations

Total Citations (WOS):60

h-index (WOS):4

Scholarships

2211-A Genel Yurt İçi Doktora Bursu, TUBITAK, 2019 - Continues

2214-A Yurt Dışı Doktora Sırası Araştırma Burs Programı, TUBITAK, 2020 - 2021

YÖK 100/2000 Doktora Bursu, YOK, 2018 - 2019

Awards

Törün İ., ISIF'18 Gümüş Madalya, İstanbul Uluslararası Buluş Fuarı Isif 18, September 2018