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International Researcher IDs

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Publons / Web Of Science ResearcherID: CED-6600-2022

ScopusID: 56112914200

Education Information

Doctorate, Ihsan Dogramaci Bilkent University, Faculty Of Engineering And Natural And Applied Sciences, Materials Science and Nanotechnology, Turkey 2013 - 2018

Research Areas

Chemical Engineering and Technology, Material science and engineering, Chemistry

Academic Titles / Tasks

Researcher, Middle East Technical University, Faculty of Engineering, Department of Chemical Engineering, 2021 - Continues

Academic and Administrative Experience

Postdoctoral Researcher, Middle East Technical University, Faculty of Engineering, Department of Chemical Engineering, 2021 - Continues

Research Assistant, Ihsan Dogramaci Bilkent University, Institute Of Engineering And Natural Sciences, 2011 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Contactless Pulsed and Continuous Microdroplet Release Using Photothermal Liquid Crystals**
BEYAZKILIÇ AYAS P., Akcimen S., Elbuken C., Ortac B., Cai S., BÜKÜŞOĞLU E.
ADVANCED FUNCTIONAL MATERIALS, vol.32, no.44, 2022 (SCI-Expanded)
- II. **Evaporation-Induced Biomolecule Detection on Versatile Superhydrophilic Patterned Surfaces: Glucose and DNA Assay**
Beyazkilic P., Saateh A., Bayindir M., Elbuken C.
ACS OMEGA, vol.3, no.10, pp.13503-13509, 2018 (SCI-Expanded)
- III. **A versatile plug microvalve for microfluidic applications**
Guler M. T., Beyazkilic P., Elbuken C.

SENSORS AND ACTUATORS A-PHYSICAL, vol.265, pp.224-230, 2017 (SCI-Expanded)

IV. Mesosstructured silica nanorod based fluorescent sensor for highly sensitive and visual detection of dopamine

Beyazkilic P., Bayindir M.

ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, vol.251, 2016 (SCI-Expanded)

V. Robust superhydrophilic patterning of superhydrophobic ormosil surfaces for high-throughput on-chip screening applications

Beyazkilic P., Tuvshindorj U., Yildirim A., Elbuken C., Bayindir M.

RSC ADVANCES, vol.6, no.83, pp.80049-80054, 2016 (SCI-Expanded)

VI. Formation of Pyrene Excimers in Mesoporous Ormosil Thin Films for Visual Detection of Nitro-explosives

Beyazkilic P., Yildirim A., Bayindir M.

ACS APPLIED MATERIALS & INTERFACES, vol.6, no.7, pp.4997-5004, 2014 (SCI-Expanded)

VII. Nanoconfinement of pyrene in mesosstructured silica nanoparticles for trace detection of TNT in the aqueous phase

Beyazkilic P., Yildirim A., Bayindir M.

NANOSCALE, vol.6, no.24, pp.15203-15209, 2014 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. Understanding exothermic catalytic decomposition of ADN based green propellants under anaerobic conditions

Kurt M., Senol S., Ercan K. E., Beyazkilic P., Esiyok H., Ozensoy E.

National Meeting of the American-Chemical-Society (ACS), Florida, United States Of America, 31 March - 04 April 2019, vol.257

Metrics

Publication: 8

Citation (WoS): 120

Citation (Scopus): 117

H-Index (WoS): 4

H-Index (Scopus): 4

Congress and Symposium Activities

CLEO Europe, Attendee, Munich, Germany, 2021

American Chemical Society Spring Meeting, Attendee, California, United States Of America, 2016

Scholarships

2218 National Postdoctoral Research Program, TUBITAK, 2021 - Continues