

## Resr. PINAR BEYAZKILIÇ AYAS

### Personal Information

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### International Researcher IDs

ScholarID: PinarBeyazkilic

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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. Mesoporous silica nanorod based fluorescent sensor for highly sensitive and visual detection of dopamine**

Beyazkılıç P., Bayındır 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**

Beyazkılıç P., Tuvshindorj U., Yildirim A., Elbukem C., Bayındır 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**

Beyazkılıç P., Yildirim A., Bayındır M.

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

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

Beyazkılıç P., Yildirim A., Bayındır 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., Beyazkılıç 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