

## Res. Asst. SEÇKİN ÖZTÜRK

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### International Researcher IDs

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### Education Information

Doctorate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Micro and Nanotechnology, Turkey 2011 - 2023

Postgraduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Micro and Nanotechnology, Turkey 2007 - 2010

Undergraduate, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, Turkey 1999 - 2004

### Research Areas

Interdisciplinary Physics and Related Science and Technology Areas

### Academic Titles / Tasks

Research Assistant PhD, Middle East Technical University, Graduate School of Natural and Applied Sciences, Micro and Nanotechnology, 2023 - Continues

Research Assistant, Middle East Technical University, Graduate School of Natural and Applied Sciences, Micro and Nanotechnology, 2008 - 2023

### Published journal articles indexed by SCI, SSCI, and AHCI

#### I. Coffee-Derived Exosome-Like Nanoparticles: Are They the Secret Heroes?

Kantarcioglu M., Yildirim G., Akpınar Oktar P., Yanbakan S., Özer Z. B., Yurtsever Sarıca D., Taşdelen S., Bayrak E., Akın Balı D. F., ÖZTÜRK S., et al.

The Turkish journal of gastroenterology : the official journal of Turkish Society of Gastroenterology, vol.34, no.2, pp.161-169, 2023 (SCI-Expanded)

#### II. New Mixed Conductivity Mechanisms in the Cold Plasma Device Based on Silver-Modified Zeolite Microporous Electronic Materials

Koc S. O., Galioglu S., ÖZTÜRK S., AKATA KURÇ B., Koc E., SALAMOV B.

JOURNAL OF ELECTRONIC MATERIALS, vol.47, no.5, pp.2791-2799, 2018 (SCI-Expanded)

#### III. Application of Different Zeolites for Improvement of the Characteristics of a pH-FET Biosensor

### **Based on Immobilized Urease**

Soldatkin O. O., Kucherenko I. S., Shelyakina M. K., Soy E., Kirdeciler K., ÖZTÜRK S., Jaffrezic-Renault N., AKATA KURÇ B., Dzyadevych S. V., Soldatkin A. P.

ELECTROANALYSIS, vol.25, no.2, pp.468-474, 2013 (SCI-Expanded)

#### **IV. Effect of different modifications of BEA-zeolites on operational characteristics of conductometric biosensor**

Kucherenko I. S., Soldatkin O. O., Soy E., Kirdeciler K., ÖZTÜRK S., AKATA KURÇ B., Jaffrezic-Renault N., Soldatkin A. P., Dzyadevych S. V.

MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.32, no.6, pp.1648-1653, 2012 (SCI-Expanded)

#### **V. Elaboration of Urease Adsorption on Silicalite for Biosensor Creation**

Kucherenko I. S., Soldatkin O. O., Kasap B. O., ÖZTÜRK S., AKATA KURÇ B., Soldatkin A. P., Dzyadevych S. V.

ELECTROANALYSIS, vol.24, no.6, pp.1380-1385, 2012 (SCI-Expanded)

#### **VI. A novel urea conductometric biosensor based on zeolite immobilized urease**

Kirdeciler S. K., Soy E., ÖZTÜRK S., Kucherenko I., Soldatkin O., Dzyadevych S., AKATA KURÇ B.

TALANTA, vol.85, no.3, pp.1435-1441, 2011 (SCI-Expanded)

#### **VII. Oriented assembly and nanofabrication of zeolite A monolayers**

ÖZTÜRK S., AKATA KURÇ B.

MICROPOROUS AND MESOPOROUS MATERIALS, vol.126, no.3, pp.228-233, 2009 (SCI-Expanded)

### **Refereed Congress / Symposium Publications in Proceedings**

#### **I. Manyetik Hipertermi Tedavisinde Kullanıma Uygun Manyetik Nano Parçacıklarının Hazırlanması**

AKPINAR Y., ÖZTÜRK S., VOLKAN M.

29.Ulusal Kimya Kongresi, Turkey, 10 - 14 September 2017

#### **II. Resist Free Zeolite Patterning with Electron Beam Lithography Zeo Lithography**

KİRDECİLER S. K., ÖZTÜRK S., AKATA KURÇ B.

18th International Zeolite Conference, 19 - 24 June 2016

#### **III. NANOSIZED ZEOLITES AS A PERSPECTIVE MATERIAL FOR DEVELOPMENT OF ELECTROCHEMICAL ENZYME BIOSENSORS**

Kucherenko I., Soldatkin O., Saiapina O., Soy E., Ozansoy B., KİRDECİLER S. K., ÖZTÜRK S., AKATA KURÇ B., Dzyadevych S.

International Porous and Powder Materials Symposium and Exhibition, 15 - 18 September 2015

### **Metrics**

Publication: 10

Citation (WoS): 82

Citation (Scopus): 103

H-Index (WoS): 5

H-Index (Scopus): 5