Res. Asst. İBRAHİM MURAT ÖZTÜRK

Personal Information

Office Phone: +90 312 210 5098
Email: ibrahimm@metu.edu.tr
Other Email: ibrahimmuratozturk@gmail.com
Web: https://avesis.metu.edu.tr/ibrahimm

International Researcher IDs
ScholarID: HYQaSI0AAAAJ
ORCID: 0000-0003-2094-7667
Publons / Web Of Science ResearcherID: ABF-1939-2020
ScopusID: 57203454309
Yoksis Researcher ID: 184095

Foreign Languages

English, C2 Mastery

Dissertations

Postgraduate, Fabrication of various metal nanostructures with hole mask colloidal lithography, Middle East Technical University, Graduate School of Natural and Applied Sciences, 2014

Research Areas

Physics, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties

Academic Titles / Tasks

Research Assistant, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 2011 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Seedless, size and shape controlled synthesis of gold mesoscopic particles and their excellent SERS applications**
Ahmed W., Öztürk İ. M., Iftikhar R. M. F., Bek A.
Materials Chemistry and Physics, vol.278, 2022 (SCI-Expanded)

II. **Enhanced photocurrent in PbSe nanorod-quantum dot bulk nano-heterojunction solar cells**
Hacıefendioğlu T., Balıkoğlu B., Aydın F., Kolay I., Öztürk İ. M., Asil D.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.33, no.2, pp.714-724, 2022 (SCI-Expanded)

III. **Plasmonic Light-Management Interfaces by Polyol-Synthesized Silver Nanoparticles for Industrial Scale Silicon Solar Cells**
Birant G., ÖZTÜRK İ. M., DOĞANAY D., ÜNALAN H. E., BEK A.

ACS Applied Nano Materials, vol.3, no.12, pp.12231-12239, 2020 (SCI-Expanded)

IV. **Facile preparation of nanoparticle based SERS substrates for trace molecule detection**
Demirta O., DOĞANAY D., ÖZTÜRK İ. M., ÜNALAN H. E., BEK A.
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, vol.22, no.37, pp.21139-21146, 2020 (SCI-Expanded)

V. **Monolayer Assembly of MultiSpiked Gold Nanoparticles for Surface-Enhanced Raman Spectroscopy-Based Trace Detection of Dyes and Explosives**
Ahmed W., Demirtas O., ÖZTÜRK İ. M., BEK A.
ACS APPLIED NANO MATERIALS, vol.3, no.7, pp.6766-6773, 2020 (SCI-Expanded)

VI. **Synthesis of tin oxide-coated gold nanostars and evaluation of their surface-enhanced Raman scattering activities**
Elcı A., Demırtas O., Öztürk İ. M., Bek A., Esenturk E.
JOURNAL OF MATERIALS SCIENCE, vol.53, pp.16345-16356, 2018 (SCI-Expanded)

Supported Projects

BEK A., İDİKUT F., DEMİRTAŞ Ö., ÖZTÜRK İ. M., Project Supported by Higher Education Institutions, Femtosaniye kızılötesi lazerle silisyum pul içi gömülü kırınım yapılarının 5 mikrometre altı çözünürlükle doğrudan yazılması, 2018 - 2022
BEK A., DEMİRTAŞ Ö., SEYEDPOUR ESMAEILZAD S., ÖZTÜRK İ. M., Project Supported by Higher Education Institutions, Düzenli nano yapılarla donatılmış Raman artırım arayüzleri üretilmesi ve artırım kanallarının analizi, 2017 - 2017
BEK A., ÖZTÜRK İ. M., Project Supported by Higher Education Institutions, Tek molekül tespiti için FREkans MOdüleli Raman Saçılması (FREMORS), 2015 - 2015

Metrics

Publication: 6
Citation (WoS): 60
Citation (Scopus): 74
H-Index (WoS): 3
H-Index (Scopus): 4