

Asst. Prof. MEHMET SAADEDDİN ÖZTÜRK

Personal Information

Email: msozturk@ktu.edu.tr

Address: Karadeniz Teknik Universitesi, Muhendislik Fakultesi, Elektrik Elektronik Muhendisligi Bolumu Ortahisar, Trabzon

International Researcher IDs

ORCID: 0000-0001-7953-3536

Publons / Web Of Science ResearcherID: AAI-1827-2019

Yoksis Researcher ID: 317026

Education Information

Doctorate, Rensselaer Polytechnic Institute, Faculty Of Engineering, Biomedical Engineering, United States Of America
2013 - 2016

Postgraduate, Boston University, Faculty Of Engineering, Manufacturing Engineering, United States Of America 2008 -
2010

Undergraduate, Kadir Has University, Faculty Of Engineering, Elektronik Muhendisligi, Turkey 2002 - 2006

Research Areas

Biomedical Engineering, bioPhotonic, Biomedical Optics, Biomedical Image Processing, Biomedical Image Processing,
Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik, 2020 - Continues

Courses

Elektrik Muhendisliginde Olcme, Undergraduate, 2019 - 2020

Advanced Biomedical Optics, Postgraduate, 2020 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **High-resolution tomographic analysis of in vitro 3D glioblastoma tumor model under long-term drug treatment**
Ozturk M. S., Lee V. K., Zou H., Friedel R. H., Intes X., Dai G.
SCIENCE ADVANCES, vol.6, no.10, 2020 (SCI-Expanded)
- II. **System configuration optimization for mesoscopic fluorescence molecular tomography**
YANG F., Faulkner D., Yao R., Ozturk M. S., QU Q., Intes X.
BIOMEDICAL OPTICS EXPRESS, vol.10, no.11, pp.5660-5674, 2019 (SCI-Expanded)
- III. **Improving mesoscopic fluorescence molecular tomography via preconditioning and regularization**
YANG F., Yao R., Ozturk M., Faulkner D., QU Q., Intes X.

BIOMEDICAL OPTICS EXPRESS, vol.9, no.6, pp.2765-2778, 2018 (SCI-Expanded)

- IV. **Improving mesoscopic fluorescence molecular tomography through data reduction**
YANG F., Ozturk M. S., Yao R., Intes X.
BIOMEDICAL OPTICS EXPRESS, vol.8, no.8, pp.3868-3881, 2017 (SCI-Expanded)
- V. **Mesosopic Fluorescence Molecular Tomography for Evaluating Engineered Tissues**
Ozturk M. S., CHEN C., Ji R., Zhao L., NGUYEN B. B., FISHER J. P., CHEN Y., Intes X.
ANNALS OF BIOMEDICAL ENGINEERING, vol.44, no.3, pp.667-679, 2016 (SCI-Expanded)
- VI. **High-Resolution Mesoscopic Fluorescence Molecular Tomography Based on Compressive Sensing**
YANG F., Ozturk M. S., Zhao L., Cong W., Wang G., Intes X.
IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING, vol.62, no.1, pp.248-255, 2015 (SCI-Expanded)
- VII. **Mesosopic Fluorescence Tomography of a Photosensitizer (HPPH) 3D Biodistribution in Skin Cancer**
Ozturk M. S., ROHRBACH D., SUNAR U., Intes X.
ACADEMIC RADIOLOGY, vol.21, no.2, pp.271-280, 2014 (SCI-Expanded)
- VIII. **Mesosopic fluorescence molecular tomography of reporter genes in bioprinted thick tissue**
Ozturk M. S., Lee V. K., Zhao L., Dai G., Intes X.
JOURNAL OF BIOMEDICAL OPTICS, vol.18, no.10, 2013 (SCI-Expanded)

Metrics

Publication: 8

Citation (WoS): 107

Citation (Scopus): 123

H-Index (WoS): 4

H-Index (Scopus): 4

Non Academic Experience

Other, European Molecular Biology Laboratory

European Molecular Biology Laboratory