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Kişisel Bilgiler

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Eğitim Bilgileri

Bütünleşik Doktora, The University of Manchester, Science and engineering , Electrical and electronic engineering , İngiltere 2010 - 2014
Yüksek Lisans, The University of Manchester, Science and engineering , Materials Science , İngiltere 2008 - 2009
Yüksek Lisans, The University of Manchester, Science and engineering , Electrical and electronic engineering , İngiltere 2006 - 2007
Lisans, Manchester Institute of Science and Technology, Science and engineering , Electrical and electronic engineering , İngiltere 2004 - 2006
Lisans, Shiraz University, Science and engineering , Computer engineering , İran 1999 - 2002

Araştırma Alanları

Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Öğretim Görevlisi Dr., The University of Manchester, Science and engineering , Electrical and electronic engineering , 2020 - Devam Ediyor
Araştırma Görevlisi Dr., İstanbul Teknik Üniversitesi, Makina, Makina Mühendisliği, 2020 - Devam Ediyor
Öğretim Görevlisi, University of Sheffield, Engineering , Multidisciplinary Engineering Education (MEE), 2018 - 2019
Araştırma Görevlisi Dr., The University of Manchester, Science and engineering, Electrical and electronic engineering , 2014 - 2019

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. **Synthesis and characterization of naphthalenediimide-thienothiophene-conjugated polymers for OFET and OPT applications**
Gunturkun D., Isci R., Farajı S., Sütay B., Majewski L. A., Öztürk T.
Journal of Materials Chemistry C, cilt.11, sa.38, ss.13129-13141, 2023 (SCI-Expanded)
II. **Khaya gum – a natural and eco-friendly biopolymer dielectric for low-cost organic field-effect transistors (OFETs)**

Tall A., Faraji S., Diallo A. K., Mohammadian N., Erouel M., Seck M., Saadi M., Khirouni K., Majewski L. A.
Journal of Materials Science: Materials in Electronics, cilt.33, sa.19, ss.15283-15295, 2022 (SCI-Expanded)

III. **Copolymers of 3-arylthieno[3,2-b]thiophenes bearing different substituents: Synthesis, electronic, optical, sensor and memory properties**
Gunturkun D., Isci R., Sütay B., Majewski L. A., Farajı S., Öztürk T.
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IV. **A Review on Solution-Processed Organic Phototransistors and Their Recent Developments**
Tavasli A., Gurunlu B., Gunturkun D., Isci R., Faraji S.
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V. **Low voltage organic transistors with water-processed gum arabic dielectric**
Seck M., Mohammadian N., Diallo A. K., Faraji S., Saadi M., Erouel M., Ly E. H. B., Khirouni K., Majewski L. A.
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VI. **Organic FETs using biodegradable almond gum as gate dielectric: A promising way towards green electronics**
Seck M., Mohammadian N., Diallo A. K., Faraji S., Erouel M., Bouguila N., Ndiaye D., Khirouni K., Majewski L. A.
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VII. **Robust High-Capacitance Polymer Gate Dielectrics for Stable Low-Voltage Organic Field-Effect Transistor Sensors**
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VIII. **One-volt, solution-processed organic transistors with self-assembled monolayer-Ta2O5 gate dielectrics**
Mohammadian N., Faraji S., Sagar S., Das B. C., Turner M. L., Majewski L. A.
Materials, cilt.12, sa.16, 2019 (SCI-Expanded)

IX. **Porous, Aligned, and Biomimetic Fibers of Regenerated Silk Fibroin Produced by Solution Blow Spinning**
Magaz A., Roberts A. D., Faraji S., Nascimento T. R. L., Medeiros E. S., Zhang W., Greenhalgh R. D., Mautner A., Li X., Blaker J. J.
Biomacromolecules, cilt.19, sa.12, ss.4542-4553, 2018 (SCI-Expanded)

X. **Cyanoethyl cellulose-based nanocomposite dielectric for low-voltage, solution-processed organic field-effect transistors (OFETs)**
Faraji S., Danesh E., Tate D. J., Turner M. L., Majewski L. A.
Journal of Physics D: Applied Physics, cilt.49, sa.18, 2016 (SCI-Expanded)

XI. **Solution-processed nanocomposite dielectrics for low voltage operated OFETs**
Faraji S., Hashimoto T., Turner M. L., Majewski L. A.
Organic Electronics, cilt.17, ss.178-183, 2015 (SCI-Expanded)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. **Detection of Volatile Organic Compounds Using Solution Processed Organic Field-Effect Transistors**
Garlapati S. K., Faraji S., Tate D., Rahmanudin A., Valliappan P., Patti A., Persaud K., Turner M.
6th Conference on Microactuators, Microsensors and Micromechanisms, MAMM 2022, Hyderabad, Hindistan, 2 - 04 Aralık 2022, cilt.126, ss.310-322

II. **Fully solution processed low voltage OFET platform for vapour sensing applications**
Tate D. J., Danesh E., Tischler V., Faraji S., Majewski L. A., Turner M. L., Persaud K. C.
2017 ISOCS/IEEE International Symposium on Olfaction and Electronic Nose, ISOEN 2017, Montreal, Kanada, 28 - 31 Mayıs 2017

III. **Low-voltage printable OFETs for sub-ppm detection of ammonia under humid conditions**
Danesh E., Tate D., Faraji S., Persaud K., Majewski L., Yeates S., Turner M.

32nd International Conference on Digital Printing Technologies, NIP 2016, Manchester, İngiltere, 12 - 16 Eylül 2016, ss.162-165

Desteklenen Projeler

Trabzon L., Tavaslı A., Farajı S., Yükseköğretim Kurumları Destekli Proje, Düşük güçle çalışan invazif olmayan optik temelli evde kullanıma uygun sağlık ve hava kalitesi takibi yapabilen sensör, 2023 - Devam Ediyor
Farajı S., Ozturk T., Trabzon L., ÇELİK İ., TÜBİTAK Projesi, Low-power, non-invasive conformable optical-based sensorsfor home-assisted health and air quality monitoring, 2020 - 2023

Metrikler

Yayın: 18
Atıf (Scopus): 336
H-İndeks (Scopus): 10

Akademi Dışı Deneyim

Ticari Kuruluş Özel, Arcelik, R&D