

Asst. Prof. EMRAH DEMİR

Personal Information

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Education Information

Post Doctorate, Gebze Technical University, Institute Of Nanotechnology, Turkey 2017 - 2019

Doctorate, Technische Universitaet Dresden, Matematik ve Fen Bilimleri Fakültesi, Kimya, Germany 2010 - 2015

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Polymer Science and Technology, Turkey 2007 - 2009

Undergraduate, İstanbul University-Cerrahpaşa, Faculty Of Engineering, Department Of Chemistry, Turkey 2001 - 2006

Foreign Languages

English, C1 Advanced

Research Areas

Chemistry, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Gazi University, Mühendislik Fakültesi, Elektrik - Elektronik Mühendisliği, 2021 - Continues

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Prompt microwave-assisted synthesis of carbon coated Si nanocomposites as anode for lithium-ion batteries**
Ucetepe A., Demir E., Tekin B., Dursun B., Ozturk O., Sel O., Demir-Cakan R.
SOLID STATE IONICS, vol.354, 2020 (Journal Indexed in SCI)
- II. **Phosphazene based star-branched polymeric cathode materials via inverse vulcanization of sulfur for lithium-sulfur batteries**
Yesilot S., Kucukkoylu S., Demir E., Demir-Cakan R.
POLYMER CHEMISTRY, vol.11, no.25, pp.4124-4132, 2020 (Journal Indexed in SCI)
- III. **Utilization of The Indonesian's Spent Tea Leaves as Promising Porous Hard Carbon Precursors for Anode Materials in Sodium Ion Batteries**
Arie A. A., Tekin B., Demir E., Demir-Cakan R.
WASTE AND BIOMASS VALORIZATION, vol.11, no.6, pp.3121-3131, 2020 (Journal Indexed in SCI)
- IV. **Advanced Thermosets from Sulfur and Renewable Benzoxazine and Ionones via Inverse Vulcanization**
Bayram O., Kışkan B., Demir E., Demir-Cakan R., Yağcı Y.
ACS SUSTAINABLE CHEMISTRY & ENGINEERING, vol.8, no.24, pp.9145-9155, 2020 (Journal Indexed in SCI)

- V. **A novel polyphosphazene with nitroxide radical side groups as cathode-active material in Li-ion batteries**
 Yesilot S., Hacivelioglu F., Kucukkoylu S., Demir E., Celik K. B. , Demir-Cakan R.
 POLYMERS FOR ADVANCED TECHNOLOGIES, vol.30, no.12, pp.2977-2982, 2019 (Journal Indexed in SCI)
- VI. **Bismuth oxide nanoparticles embedded carbon nanofibers as self-standing anode material for Na-ion batteries**
 Demir E., Soytaş S. H. , Demir-Cakan R.
 SOLID STATE IONICS, vol.342, 2019 (Journal Indexed in SCI)
- VII. **Chitosan derived N-doped carbon coated SnO₂ nanocomposite anodes for Na-ion batteries**
 Aydın M., Demir E., Unal B., Dursun B., Ahsen A. S. , Demir-Cakan R.
 SOLID STATE IONICS, vol.341, 2019 (Journal Indexed in SCI)
- VIII. **Hard carbons derived from waste tea bag powder as anodes for sodium ion battery**
 Arie A. A. , Tekin B., Demir E., Demir-Cakan R.
 MATERIALS TECHNOLOGY, vol.34, no.9, pp.515-524, 2019 (Journal Indexed in SCI)
- IX. **Apricot shell derived hard carbons and their tin oxide composites as anode materials for sodium-ion batteries**
 Demir E., Aydın M., Arie A. A. , Demir-Cakan R.
 JOURNAL OF ALLOYS AND COMPOUNDS, vol.788, pp.1093-1102, 2019 (Journal Indexed in SCI)
- X. **Activated porous carbons derived from the Indonesian snake fruit peel as anode materials for sodium ion batteries**
 Arie A. A. , Kristianto H., Demir E., Cakan R. D.
 MATERIALS CHEMISTRY AND PHYSICS, vol.217, pp.254-261, 2018 (Journal Indexed in SCI)
- XI. **Heterograft Copolymers via Double Click Reactions Using One-Pot Technique**
 Dag A., Durmaz H., Demir E., Hızal G., Tunca Ü.
 JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.46, no.20, pp.6969-6977, 2008 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Nano sensor technology based on semiconductor nanocrystals**
 Martin J., Staudinger U., Demir E., Spudat C., Poetschke P., Voit B., Otto T., Gessner T.
 Conference on Integrated Optics - Devices, Materials, and Technologies XVI, San-Francisco, Costa Rica, 23 - 25
 January 2012, vol.8264

Citations

Total Citations (WOS):174

h-index (WOS):6