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Uluslararası Araştırmacı ID'leri

YÖKSİS Araştırmacı ID: 267269

Eğitim Bilgileri

I. TOBB EKONOMİ VE TEKNOLOJİ ÜNİVERSİTESİ · Doktora · Yurt İçi · 2012–2016 · FEN BİLİMLERİ ENSTİTÜSÜ · MİKRO VE NANOTEKNOLOJİ (DR) · Yakıt pili sistemlerinde ve akış bataryalarında kullanılmak üzere ileri enerji malzemelerinin geliştirilmesi ve test edilmesi (2012–2016)

II. TOBB EKONOMİ VE TEKNOLOJİ ÜNİVERSİTESİ · Yüksek Lisans · Yurt İçi · 2010–2012 · FEN BİLİMLERİ ENSTİTÜSÜ · MİKRO VE NANOTEKNOLOJİ (YL) (TEZLİ) · İnsansız hava araçları için PEM tipi yakıt pili üretilmesi ve test edilmesi (2010–2012)

III. ORTA DOĞU TEKNİK ÜNİVERSİTESİ · Lisans · Yurt İçi · 2003–2008 · FEN-EDEBİYAT FAKÜLTESİ · KİMYA BÖLÜMÜ (2003–2008)

Araştırma Alanları

Fen Bilimleri ve Matematik Temel Alanı · Kimya · Polimer Bilimi ; Katalizörler ve Katalitik Tepkimeler ; Nanoteknoloji

Yönetilen Tezler

I. SiO₂ katkılı epoksi malzemesinin çekme dayanımının incelenmesi (2023)

Makaleler

I. Yeşil Sürdürülebilir Bilim ve Teknoloji Alanında Hidrojen Enerjisi Araştırması: Trendler, Gelişim Alanları ve Gelecek Yönelimleri (2025)

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II. Yeşil Sürdürülebilir Bilim ve Teknoloji Alanında PEM Yakıt Hücreleri: Bibliyometrik Bir Analiz (2025)

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III. Hydrogen generation from sodium borohydride via natural materials (2025)

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IV. Hydrogen generation from ammonia borane by polymer supported platinum films (2021)

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V. Dehydrogenation of ammonia borane by dealloyed ruthenium catalysts (2021)

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VI. Hydrogen generation from ammonia borane by chemically dealloyed platinum nanoparticles (2020)

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VII. Removal of reactive black 5 from wastewater by membrane filtration (2020)

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VIII. Hydrogen generation from sodium borohydride by sulfonated polymers (2020)

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IX. Membrane Filtration of Methyl Orange (2020)

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X. Congo red filtration by polyacrylonitrile-based copolymer membranes (2020)

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XI. Molecular structure, spectroscopic and density functional studies on 2-[(5-nitrothiophen-2-yl)methylidene]amino} phenol (2019)

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XII. Nanoporous Pt and Ru catalysts by chemical dealloying of Pt-Al and Ru-Al alloys for ultrafast hydrogen generation (2018)

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- XIII.** Analysis on molecular, spectroscopic and electronic behavior of 4,4 'xx-(butane-1,4-diyl)bis(14(1-(4-chlorobenzyl)-1H-1,2,3-triazol-5-yl) methyl)-3-methyl-1H-1,2,4-triazol-5(4H)-one): A theoretical approach (2018)
EVECEN MERYEM,TANAK HASAN,Unver Yasemin,Celik Fatih,SEMİZ LEVENT
- XIV.** Cost-effective fabrication of nanostructured zinc oxide based electrodes for photoelectrochemical water splitting (2016)
Komurcu Pelin,Can Emre Kaan,Aydin Erkan,SEMİZ LEVENT,Sankir Mehmet,Sankir Nurdan Demirci
- XV.** Pyrolytically grown indium sulfide sensitized zinc oxide nanowires for solar water splitting (2015)
Kömürcü Pelin,Can Emre Kaan,Aydin Erkan,SEMİZ LEVENT,Gürol Alp Eren,Alkan Fatma Merve,Sankir Mehmet,Sankir Nurdan Demirci
- XVI.** Hydrogen generation from nanoflower platinum films (2015)
Sankir Mehmet,SEMİZ LEVENT,Serin Ramis Berkay,Sankir Nurdan Demirci
- XVII.** Catalyst free hydrogen generation from directly disulfonated poly (arylene ether sulfone) copolymer membranes (2015)
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- XVIII.** Influence of the basic membrane properties of the disulfonated poly (arylene ether sulfone) copolymer membranes on the vanadium redox flow battery performance (2014)
SEMİZ LEVENT,Sankir Nurdan Demirci,Sankir Mehmet
- XIX.** Directly Copolymerized Disulfonated Poly(arylene ether sulfone) Membranes for Vanadium Redox Flow Batteries (2014)
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- XX.** Unusual behavior of dynamic hydrogen generation from sodium borohydride (2014)
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- XXI.** High performance chromium (VI) removal from water by polyacrylonitrile-co-poly (2-ethyl hexylacrylate) and polyaniline nanoporous membranes (2012)
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Bildiriler

- I.** Kobalt Borür Parçacıkları ile Sodyum Bor Hidrürün Dehidrojenasyonu (2025)
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- II.** Nikel Borür Parçacıkların Hidrojen Üretiminde Kullanılması (2025)
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- III.** Çinko Oksit Parçacıkları ile Sodyum Bor Hidrürden Hidrojen Üretimi (2025)
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- VIII.** Dye Removal From Wastewater by Membrane Filtration (2019)
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- X.** Analysis on molecular, spectroscopic and electronic behavior of C₃₀N₁₂O₂H₃₂Cl₂ molecule: A theoretical approach (2017)
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- XII.** Catalyst Free Hydrogen Generation For Fuel Cells (2016)
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- XIII.** Nanostructured Counter Electrode Design for Photoelectrochemical Solar Cells (2016)
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- XIV.** Influence of Fluorine Incorporation of Directly Disulfonated Copolymer Membranes on the Vanadium Redox Flow Battery (VRFB) Performance (2016)
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- XV.** Copper Indium Sulfide Sensitized Zinc Oxide Nanowire Arrays for Solar Fuel Generation (2016)
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XVI. Photoelectrochemical Properties of Pyrolytically Grown Indium Sulfide Thin Films (2015)

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XVII. Hydrogen Generation from Chemical Hydrides (2015)

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XVIII. INDIUM SULFIDE SENSITIZED ZINC OXIDE NANOWIRES FOR SOLAR WATER SPLITTING (2015)

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XIX. Chemical Hydride Powered and Air Breathing PEMFC for UAVs (2013)

SEMİZ LEVENT,Serin Ramis Berkay,Öztürk Levent,Sankır Nurdan Demirci,Sankır Mehmet

XX. NANOPOROUS COMPOSITES FOR CHROMIUM(VI) RECOVERY FROM WATER: A KINETIC AND THERMODYNAMIC APPROACH (2013)

Şenyuva Elif Aslı,SEMİZ LEVENT,Sankır Mehmet

XXI. HIGHLY CHLORINE TOLERANT POLYMERIC COATINGS FOR REVERSE OSMOSIS MEMBRANES (2013)

SEMİZ LEVENT,Şenyuva Elif Aslı,Sankır Mehmet

Kitaplar

I. Advanced Catalytic Material (2015)

Sankır Mehmet,SEMİZ LEVENT,Serin Ramis Berkay,Sankır Nurdan Demirci,Baker Derek

Projeler

I. Boya Atıklarının Adsorpsiyon Yöntemi ile Uzaklaştırılması (2019)

LEVENT SEMİZ

II. Metal Nanokatalizörlerin Sülfonlanmış Polimerler İçerisinde Üretilmesi, Özelliklerinin İncelenmesi ve Sodyum Bor Hidrürden Hidrojen Gazı Üretiminde Test Edilmesi (2018)

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III. Kobalt (II) İyonunun Poliakrilonitril-ko-poli(2-etil hegzilakrilat) Kopolimeri İçerisinde Sabitlenmesi ve Sodyum Bor Hidrürden Hidrojen Üretim Performansının İncelenmesi (2017)

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