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Education Information

Doctorate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı, Turkey 2011 - 2016

Postgraduate, Ege University, Güneş Enerjisi Enstitüsü, Güneş Enerjisi, Turkey 2005 - 2008

Undergraduate, Ege University, Fen Fakültesi, Kimya Bölümü, Turkey 2000 - 2005

Research Areas

Chemistry, Physical Chemistry, Polymeric Materials, Natural Sciences

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

- I. **A Machine Learning Approach for Metal Oxide Based Polymer Composites as Charge Selective Layers in Perovskite Solar Cells**
YILDIRIM M. O. , Gok E. C. , Hemasiri N. H. , EREN E., Kazim S., ÖKSÜZ A., Ahmad S.
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- II. **Flexible nickel Prussian blue analogue films for electrochromic and H(2)O(2)sensing**
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- IV. **A practical approach for generation of WO₃-based flexible electrochromic devices**
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- V. **Effect of Electrolyte on Performance of Electrochromic Films Including Plasma Modified V2O5 Composite**
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- VI. **Sterilization of Natural Rose Water with Nonthermal Atmospheric Pressure Plasma**
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- VII. **Improved performance and stability of solid state electrochromic devices with eco-friendly chitosan-based electrolytes**
EREN E.

SOLID STATE IONICS, vol.334, pp.152-159, 2019 (Journal Indexed in SCI)

- VIII. **Enhanced electrochromic characteristics induced by Au/PEDOT/Pt microtubes in WO₃ based electrochromic devices**
KARACA G. Y. , EREN E., COGAL G. C. , UYGUN E., ÖKSÜZ L., Oksuz A.
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- IX. **High-performance Flexible Complementary Electrochromic Device Based on Plasma Modified WO₃ Nano Hybrids and V₂O₅ Nanofilm with Low Operation Voltages**
EREN E., ALVER C., Karaca G. Y. , UYGUN E., ÖKSÜZ L., Oksuz A.
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- X. **Enhanced electrochromic performance of WO₃ hybrids using polymer plasma hybridization process**
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SYNTHETIC METALS, vol.235, pp.115-124, 2018 (Journal Indexed in SCI)
- XI. **Electrochromic characteristics of radio frequency plasma sputtered WO₃ thin films onto flexible polyethylene terephthalate substrates**
EREN E., KARACA G. Y. , KOC U., ÖKSÜZ L., OKSUZ A. U.
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- XII. **Plasma Modified V₂O₅/PEDOT Hybrid Based Flexible Electrochromic Devices**
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- XIII. **Phase Segregation of PEDOT: PSS on Textile to Produce Materials of > 10 A mm⁻² Current Carrying Capacity**
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MACROMOLECULAR MATERIALS AND ENGINEERING, vol.302, no.3, 2017 (Journal Indexed in SCI)
- XIV. **Fast electrochromic response for RF-magnetron sputtered electrospun V₂O₅ mat**
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- XV. **Electrospun plasma-modified chitosan/poly(ethylene terephthalate)/ferrocenyl-substituted N-acetyl-2-pyrazoline fibers for phosphate anion sensing**
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- XVI. **Atmospheric pressure plasma treatment of wool fabric structures**
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- XVII. **Evaluation of anthocyanin, a rose residue extract, for use in dye-sensitized solar cell**
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- XVIII. **The Effect of Anionic Surfactant on the Properties of Polythiophene/Chitosan Composites**
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- XIX. **In situ investigation of surfactants' effect onto electrochemical synthesis and properties of polyfurans**
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- XX. **Electrochemical Polymerization of 2-Thiophen-3-yl-malonic Acid for Biosensor Application**
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- XXI. **A Solution-Processible, n-Dopable Polypyrrole Derivative**
ÇAMURLU P., EREN E., Gultekin C.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.50, no.23, pp.4847-4853, 2012 (Journal Indexed in SCI)
- XXII. **Synthesis of poly(3,4-ethylenedioxythiophene)/titanium dioxide nanocomposites in the presence of**

surfactants and their properties

EREN E., CELIK G., UYGUN A., TABACIAROVA J., OMASTOVA M.

SYNTHETIC METALS, vol.162, pp.1451-1458, 2012 (Journal Indexed in SCI)

XXIII. Synthesis and Photophysical Characterizations of Thermal -Stable Naphthalene Benzimidazoles

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JOURNAL OF FLUORESCENCE, vol.21, no.4, pp.1565-1573, 2011 (Journal Indexed in SCI)

XXIV. Dye sensitized solar cell based on 1,8-naphthalene benzimidazole comprising carboxyl group

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EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS, vol.38, no.3, pp.227-230, 2007 (Journal Indexed in SCI)

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I. RF plasma polymer modification of graphene oxide for micromotors with improved performance

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EMERGENT MATERIALS, vol.3, pp.613-624, 2020 (Journal Indexed in ESCI)

II. Electrochemical Characteristics of Azo Dyes Doped Poly(3,4-Ethylenedioxythiophene)

DÜLGERBAKİ Ç., kömür a. i. , EREN E., Tkach V. V. , Skrypska O. V. , Kushnir M. V. , Ivanushko Y. G. , Yagodynets P. I. , ÖKSÜZ A.

BIOINTERFACE RESEARCH IN APPLIED CHEMISTRY, vol.10, no.6, pp.6912-6925, 2020 (Journal Indexed in ESCI)

III. Li doped chitosan-based solid polymer electrolyte incorporated with PEDOT:PSS for electrochromic device

EREN E.

Journal of the Turkish Chemical Society, Section A: Chemistry, pp.1413-1422, 2018 (Other Refereed National Journals)

IV. PLASMA MODIFIED WO₃ HYBRIDS WITH ALTERED DONOR GROUPS FOR FLEXIBLE ELECTROCHROMIC APPLICATIONS

EREN E., ALVER C., ÖKSÜZ A.

Anadolu University Journal of Science and Technology-A Applied Sciences and Engineering, vol.19, no.2, pp.468-483, 2018 (Refereed Journals of Other Institutions)

V. Surface properties of radio frequency plasma treated wool and denim fabrics

HALA A., KARACA G. Y. , EREN E., ÖKSÜZ L., BOZDUMAN F., KIRISTI M., KOMUR A. I. , Gulec A., OKSUZ A. U.

RESEARCH JOURNAL OF TEXTILE AND APPAREL, vol.21, no.2, pp.101-110, 2017 (Journal Indexed in ESCI)

Refereed Congress / Symposium Publications in Proceedings

I. Bending Impact on Electrochemical Performance of Prussian blue-based hybrid thin films

EREN E.

3rd International Eurasian Conference on Biological and Chemical Sciences, 19 - 20 March 2020

II. ELECTROCHEMICAL PERFORMANCE OF PANI-TiO₂-BASED FLEXIBLE THIN FILM

EREN E.

3. ULUSLARARASI GAP MATEMATİK - MÜHENDİSLİK - FEN VE SAĞ LIK BİLİMLERİ KONGRESİ, Turkey, 29 November - 01 December 2019

III. Antibacterial Effects Of Streptomycin (St) Loaded Nanofibers Named PMMA/PEO/N10-St and PMMA/PEO/N2-St

ÇEVİKBAŞ H., ULUSOY S., NOHUT MAŞLAKCI N., EREN E., BİÇER A., TURGUT CİN G., ÖKSÜZ A.

2. EBAT Congress, 26 - 29 October 2019

IV. The Electrochemical Performance of Prussian blue-based hybrid flexible thin films for phosphate anion sensing applications

EREN E., ÖKSÜZ A.

the 2nd Eurasia Biochemical Approaches Technologies Congress, Antalya, Turkey, 26 - 29 October 2019

- V. **A comparative characterization study of characteristics of plasma modified graphene oxides**
ÖKSÜZ L., EREN E., Komur A. İ. , ÖKSÜZ A., Hamaguchi S.
XXXIV International Conference on Phenomena in Ionized Gases (XXXIV ICPIG), Japan, 14 - 19 July 2019
- VI. **Antibacterial Activity of Wool Fabrics Treated With Different Azo Dyes**
EREN E., NOHUT MAŞLAKCI N., ULUSOY S., CEVİKBAS H., TKACH V., YAGODYNETS P. I. , KOMUR A. İ. , ÖKSÜZ A.
1. Eurasia Biochemical Approaches Technologies (1. EBAT) Congress, 27 - 30 October 2018
- VII. **Investigation of Antibacterial Properties of PMMA/PEO Fibers Loaded With Antimicrobial Agent**
NOHUT MAŞLAKCI N., EREN E., CEVİKBAS H., BİÇER A., ULUSOY S., TURGUT CİN G., ÖKSÜZ A.
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- VIII. **ELECTROCHROMIC PROPERTIES OF PEDOT-BASED DUAL-TYPE ELECTROCHROMIC DEVICE INCLUDING CHITOSAN ELECTROLYTE**
EREN E.
International Conference on Physical Chemistry and Functional Materials, 19 - 21 June 2018
- IX. **Chitosan Electrolytes Incorporating PEDOT:PSS For Electrochromic Devices**
EREN E.
International Eurasian Conference on Biological and Chemical Science, 26 - 27 April 2018
- X. **A simple and beneficial design for WO₃ hybrids-based flexible electrochromic devices**
EREN E., filiz m., ÖKSÜZ A.
the spring 2018 meeting of to be cost action MP1308, 12 - 14 March 2018
- XI. **Plasma Modification of Different Metal Oxide for flexible electrochromic applications**
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The spring 2018 meeting of To-Be Cost Action MP1308, 12 - 14 March 2018
- XII. **Liquid plasma synthesis of carbon coated iron oxide particles**
ÖKSÜZ A., hershkowitz n., EREN E., uygun e., celik cogal g., Karaca g., manolache s., gunasekaran s., sadak o., ÖKSÜZ L.
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- XIII. **Determination of the profit rate of plasma treated production in the food sector**
GÖK e. c. , Uygun e., EREN E., ÖKSÜZ L., ÖKSÜZ A.
59th Annual Meeting of the APS Division of Plasma Physics, 23 - 27 October 2017
- XIV. **Improved Performance of Flexible Electrochromic Devices With The Counter Electrode of V2O5 Thin Films**
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- XVI. **Deposition and Characterization of Titanium Dioxide Thin Films by Ultrasonic Spray Pyrolysis Method**
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8TH INTERNATIONAL ADVANCED TECHNOLOGIES SYMPOSIUM, Elazığ, Turkey, 19 - 22 October 2017, pp.112
- XVII. **DETERMINATION OF OPTICAL AND ELECTROCHROMIC PROPERTIES OF PLASMA PREPARED V2O5/POLYFURAN HYBRIDS IN PRESENCE OF NaClO₄ ELECTROLYTE**
YILDIZ A., EREN E., ÇELİK ÇOĞAL G., ŞEN GÜR SOY S., ÖKSÜZ A.
The International Joint Science Congress of Materials and Polymers, Ohrid, Macedonia, 25 - 28 August 2017, pp.73
- XVIII. **The effect of conducting polymers in plasma modified WO₃ hybrids for flexible electrochromic applications**
EREN E., Alver C., Karaca G. Y. , Uygun E., ÖKSÜZ L., ÖKSÜZ A.
The International Joint Science Congress of Materials and Polymers, 25 - 28 August 2017
- XIX. **FLEXIBLE ELECTROCHROMIC DEVICES OF PLASMA MODIFIED WO₃ HYBRIDS INCLUDING ALTERED DONOR GROUPS**

- EREN E., Alver C., Karaca G. Y. , Uygun E., ÖKSÜZ L., ÖKSÜZ A.
International Congress on Semiconductor Materials and Devices” (ICSMD-2017), 17 - 19 August 2017
- XX. **A STUDY ON FLEXIBLE SOLID STATE ELECTROCHROMIC DEVICES CONSISTING OF RF PLASMA MODIFIED WO₃ HYBRID**
EREN E., alver c., karaca g. y. , uygun e., ÖKSÜZ L., ÖKSÜZ A.
The 44 th international conference on plasma science (ICOPS 2017), 21 - 25 May 2017
- XXI. **Plasma Deposition of PEDOT onto metal oxides for electrochromic textile applications**
EREN E., Alver c., karaca g. y. , ÖKSÜZ A.
TO-BE Spring meeting 'Towards Oxide-Based Electronics', 3 - 05 April 2017
- XXII. **Electrochemical Properties of Plasma Modified V₂O₅ in the presence of different electrolytes**
cogal g. ç. , EREN E., yıldız a., ŞEN GÜR SOY S., ÖKSÜZ A.
TO-BE Spring meeting 'Towards Oxide-Based Electronics', 3 - 05 April 2017
- XXIII. **Plasma Modified WO₃ Hybrids for High Efficient Flexible Devices**
uygun e., EREN E., alver c., karaca g. y. , ÖKSÜZ L., ÖKSÜZ A.
TO-BE Spring meeting 'Towards Oxide-Based Electronics', 3 - 05 April 2017
- XXIV. **Substitution effects in aniline on electrochromic properties of hybrid flexible device**
ÖKSÜZ A., EREN E., Alver c., karaca g. y.
253. American Chemical Society National Meeting, 2 - 06 April 2017
- XXV. **ELECTROCHROMIC CHARACTERISTICS AS A FUNCTION OF ELECTROLYTE ON PERFORMANCE OF ELECTROCHROMIC FILMS INCLUDING PLASMA MODIFIED V₂O₅, HYBRIDS**
EREN E., Cogal G. C. , Yildiz A., ŞEN GÜR SOY S., ÖKSÜZ A.
44th IEEE International Conference on Plasma Science (ICOPS), New-Jersey, United States Of America, 21 - 25 May 2017
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- XXVII. **Plasma Modified Hybrid Flexible Electrochromic Device Based on PANI derivative and WO₃**
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COST TO-BE FALL MEETING 2016, 28 - 30 September 2016
- XXVIII. **Effect of Ag Counter Electrode on WO₃ Based Flexible Electrochromic Devices**
Cogal G. C. , EREN E., Karaca G. Y. , ÖKSÜZ A.
COST TO-BE FALL MEETING 2016, 28 - 30 September 2016
- XXIX. **Esnek WO₃ Polianilin PANI Hibrit Filmlere dayalı Elektrokromik Cihaz Özelliklerinin İncelenmesi**
Alver C., EREN E., Karaca G. Y. , ÖKSÜZ A.
VI. Ulusal Polimer Bilim ve Teknolojisi Kongresi, Turkey, 4 - 07 September 2016
- XXX. **Elastik Polidimetilsiloksan PDMS Elektrokromik Cihaz Eldesi**
Karaca G. Y. , ÖKSÜZ A., ÖKSÜZ L., EREN E., Koç Ü., Alver C.
VI. Ulusal Polimer Bilim ve Teknolojisi Kongresi, Turkey, 4 - 07 September 2016
- XXXI. **Esnek PET Nanolif Elektroduna Dayalı Elektrokromik Özelliklerinin İncelenmesi**
EREN E., KARACA YURDABAK g., Alver c., ÖKSÜZ A.
VI. Ulusal Polimer Bilim ve Teknolojisi Kongresi, Turkey, 4 - 07 September 2016
- XXXII. **Rf Plasma Modified WO₃ and V₂O₅ Hybrid Electrochromic Devices**
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- XXXIII. **RF plasma modified WO₃ and V₂O₅ hybride electrochromic device**
yurdabak karaca g., EREN E., alver c., ÖKSÜZ A.
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- XXXIV. **Metal oxide film for nanofiber based electrochromic textile**
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- XXXV. **Metal oxide film for nanofiber based electrochromic film**
EREN E., Yurdabak karaca g., alver c., ÖKSÜZ A.
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- XXXVI. **Plasma Modified Chitosan N Acetyl 2 Pyrazoline derivative nanofibers**
G TURGUT C., S DEMİREL T., NOHUT MAŞLAKCI N., EREN E., ÖKSÜZ A.
IEEE ICOPS 2015, Turkey, 24 - 28 May 2015
- XXXVII. **A study on characterization of polymer coated wool fabrics using plasma polymerization**
EREN E., ÖKSÜZ L., komur A. I., FERHAT b., NOHUT MAŞLAKCI N., ÖKSÜZ A.
IEEE ICOPS 2015, Turkey, 24 - 28 May 2015
- XXXVIII. **Tungsten Trioksit WO₃ Dayalı Elektrokromik Tekstil Üretimi ve Özelliklerinin İncelenmesi**
EREN E., gözde yurdabak k., ferhat b., ÖKSÜZ A., ümran k.
5. Fiziksel Kimya Kongresi, Konya, Turkey, 16 - 19 May 2015
- XXXIX. **Mıknatıs Saçtırma Tekniği ile Elastik Elektrokromik Sistemlerin Hazırlanması**
ÖKSÜZ A., EREN E., gözde yurdabak k., ÖKSÜZ L., ferhat b., ümran k.
5. Fiziksel Kimya Kongresi, Turkey, 16 - 19 May 2015
- XL. **Esnek Tungsten Trioksit WO₃ Film Üretimi ve Elektrokromik Özelliklerinin İncelenmesi**
GÖZDE YURDABAK k., EREN E., ferhat b., ÖKSÜZ A., ÜMRAN k.
5. Fiziksel Kimya Kongresi, Turkey, 16 - 19 May 2015
- XLI. **ELECTROSPUN FIBERS COATED ONTO PLASMA MODIFIED AND NONMODIFIED WOOLS**
Maslakci N. N., ÖKSÜZ A., ÖKSÜZ L., Bozduman F., EREN E.
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- XLII. **Environmental Friendliness Dye Sensitive Solar Cell**
elif ceren g., EREN E., Busranur S., NOHUT MAŞLAKCI N., uygun e., ÖKSÜZ A.
IMEPS (International Middle East Plasma Science), 23 - 25 April 2014
- XLIII. **Template Synthesis Characterization and Investigation of Electrochromic Properties of Poly 3 4 ethylenedioxythiophene PEDOT**
EREN E., ERDOĞAN t., ÖKSÜZ A.
44th World Chemistry Congress, Turkey, 11 - 16 August 2013
- XLIV. **Şablon yöntemiyle poli 3 4 etilendioksitiyofen PEDOT sentezi karakterizasyonu ve elektrokromik özelliklerinin incelenmesi**
EREN E., erdoğan t., ÖKSÜZ A.
XIII. Ulusal Spektroskopik Kongre, Turkey, 15 - 18 May 2013
- XLV. **Yüzey Aktif Madde varlığında ve elektrokimyasal yöntemle sentezlenen polifuranın eşzamanlı olarak EQCM tekniği ile incelenmesi**
NOHUT MAŞLAKCI N., EREN E., ÖKSÜZ A.
XIII. Ulusal Spektroskopik Kongre, Turkey, 15 - 18 May 2013
- XLVI. **In situ Investigation of Surfactant Effect onto Electrochemical Synthesis and Properties of Polyfuran using EQCM**
NOHUT MAŞLAKCI N., EREN E., ÖKSÜZ A.
Chemical Physics Congress X TOBB University of Economics and Technology, Turkey, 10 - 12 October 2012
- XLVII. **Synthesis and Characterization of Poly 3 4 ethylenedioxythiophene Titanium Dioxide PEDOT TiO₂ Nanocomposite**
EREN E., gamze c., ÖKSÜZ A.
ISSP 2011-International Summer School on Polymers, Slovakia, 22 - 26 August 2011
- XLVIII. **Electrochemical Polymerization of 2 Thiophen 3 yl Malonic Acid for Biosensör Application**
gamze c., EREN E., ÖKSÜZ A.
ISSP 2011-International Summer School on Polymers, Slovakia, 22 - 26 August 2011
- XLIX. **1 8 Naftalen benzimidazol türevlerinin sentezleri fotokimyasal ve elektrokimyasal özelliklerinin incelenmesi**
EREN E., ERTEN ELA Ş., siddik i.

XXI. Ulusal Kimya Kongresi, Turkey, 23 - 27 August 2007

L. The fabrication of dye sensitized solar cells and investigation of their performance

MUSTAFA EMRE a., ERTEN ELA Ş., EREN E., CAN M., SİDDİK İ.

Nano TR3 Nanoscience and Nanotechnology Konferans, Turkey, 11 - 14 June 2007

LI. Electrochemistry and photophysical properties of 4 bromo 4 amino 1 8 Naphthalene benzamide derivatives comprising carboxyl group

EREN E., ERTEN ELA Ş., siddik İ.

XX. Ulusal kimya kongresi, Turkey, 4 - 08 September 2006

LII. 1 8 Naftalen imid amidin türevlerinin sentezleri ve teknolojik uygulamaları

EREN E., ERTEN ELA Ş., siddik İ.

XX. Ulusal Kimya Kongresi, Turkey, 4 - 08 September 2006

LIII. Dye sensitized Solar Cell Based on 1 8 naphthalene benzamide comprising carboxyl group

ERTEN ELA Ş., EREN E., siddik İ.

European Conference on Hybrid and Organic Solar Cells, France, 28 - 30 June 2006

Citations

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