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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Kimya Bölümü, Türkiye 1979 - 1983

Yüksek Lisans, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Kimya Bölümü, Türkiye 1976 - 1979

Lisans, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Kimya Bölümü, Türkiye 1971 - 1976

Yaptığı Tezler

Doktora, Radiation-induced and electroinitiated polymerization of same epoxy monomers, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Kimya Bölümü, 1983

Yüksek Lisans, Dehydration of Calcium Sulphate Dihydrate in Aqueous Medium, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Kimya Bölümü, 1979

Araştırma Alanları

Kimya, Fizikokimya, Elektrokimya, Polimer Karakterizasyonu, Polimerik Malzemeler, Temel Bilimler

Akademik Unvanlar / Görevler

Prof. Dr., Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Kimya Bölümü, 1995 - Devam Ediyor

Prof. Dr., Orta Doğu Teknik Üniversitesi, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 1992 - 1995

Doç. Dr., Orta Doğu Teknik Üniversitesi, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 1988 - 1992

Dr. Öğr. Üyesi, Orta Doğu Teknik Üniversitesi, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 1986 - 1988

Öğretim Görevlisi Dr., Orta Doğu Teknik Üniversitesi, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 1985 - 1986

Yönetilen Tezler

ÖNAL A. M., Synthesis and polymerization of new D-A-D type monomers bearing fluorinated benzothiadiazole acceptors and their optoelectronic applications, Yüksek Lisans, Y.BOZTAŞ(Öğrenci), 2022

ÖNAL A. M., Preparation and characterization of metal oxide supported group 9b metal nanoparticles and their use as

electrocatalysts in water splitting, Doktora, M.AKBAYRAK(Öğrenci), 2022

ÖNAL A. M., DEVELOPMENT OF THE FUNCTIONAL POLYMER COATINGS BY USING A GREEN APPROACH TO MODIFY PROPERTIES OF DIFFERENT SURFACES, Doktora, M.TUNA(Öğrenci), 2022

ÖNAL A. M., Investigation on donor, acceptor and substituent effect on phthalimide and thieno[3,4-c]pyrrole-4,6-dione based donor-acceptor-donor type monomers and polymers, Doktora, D.ÇAKAL(Öğrenci), 2021

ÖNAL A. M., VOLKAN M., Electrochemical detection of dopamine in the presence of excess ascorbic acid using glassy carbon electrodes modified with conducting polymers, Yüksek Lisans, S.ŞANLI(Öğrenci), 2018

ÖNAL A. M., Development of RuO₂/MO₂ (M = Ti, Zr, Hf, Ce) catalysts for electrocatalytic hydrogen production from water splitting, Yüksek Lisans, E.DEMİR(Öğrenci), 2017

ÖNAL A. M., Synthesis and electropolymerization of new hybrid monomers containing carbazole units, Yüksek Lisans, M.AKBAYRAK(Öğrenci), 2016

ÖNAL A. M., Effect of ring size on benzimidazole acceptor unit on the properties of donor-acceptor-donor type monomers and their electrochromic polymers, Doktora, E.GÜL(Öğrenci), 2015

ÖNAL A. M., Synthesis of new multifunctional polyfluorene and donor acceptor type polyfluorene derivatives, Doktora, B.ÇARBAŞ(Öğrenci), 2013

ÖNAL A. M., Synthesis and Characterization of New Conducting Polymer- Nano Particle Composites, Yüksek Lisans, E.EROĞLU(Öğrenci), 2013

ÖNAL A. M., Synthesis of heterocyclic unit substituted carbazole derivatives and their electrochemical polymerization, Yüksek Lisans, H.ESRA(Öğrenci), 2013

ÖNAL A. M., Çok fonksiyonlu yeni polifloren sentezi & donör akseptör tipi polifloren türevleri, Doktora, B.Bezgin(Öğrenci), 2012

ÖNAL A. M., Synthesis of a novel series of furan and fluorene containing monomers and their polymers, Yüksek Lisans, A.GÜNEŞ(Öğrenci), 2011

ÖNAL A. M., Önal A., Color engineering of π -conjugated donor-acceptor systems : the role of donor and acceptor units on the neutral state color, Doktora, M.İçli(Öğrenci), 2011

ÖNAL A. M., Önal A., Çözünür Alkil Sübstitüeli Poli(3,4-Propilendioksiselenofenler) : Optoelektronik malzemeler için yeni bir platform, Yüksek Lisans, S.Atak(Öğrenci), 2011

ÖNAL A. M., Color engineering of π -conjugated donor-acceptor systems: The role of donor and acceptor units on the neutral state color, Doktora, M.İÇLİ(Öğrenci), 2011

ÖNAL A. M., Kimyasal ışı-ışayan yeni üçlü tiyofen sisteminin tasarımı, sentezi ve elektropolimerizasyonu, Yüksek Lisans, N.Atılgan(Öğrenci), 2008

ÖNAL A. M., Desing, synthesis and electropolymerization of a new chemiluminescent terthienyl system, Yüksek Lisans, N.ATILGAN(Öğrenci), 2008

ÖNAL A. M., A glow in the dark: Synthesis and electropolymerization of chemiluminescent thiophene derivatives, Yüksek Lisans, D.ASİL(Öğrenci), 2008

ÖNAL A. M., Synthesis, characterization and polymerization of polyether bridged thiophene and aniline derivatives, Doktora, S.TİRKEŞ(Öğrenci), 2008

ÖNAL A. M., Taçlandırılmış iletken polimerlerin elektrokimyasal sentezi ;, Doktora, A.Cihaner(Öğrenci), 2004

ÖNAL A. M., Electrochemical synthesis of crowned conducting polymers: Nature of radical cations in polymerization and mechanism of conductivity, Doktora, A.CİHANER(Öğrenci), 2004

ÖNAL A. M., Electrochemical polymerization of 2-aminofluorene, fluorene, and 9-fluorenone, Yüksek Lisans, T.İMAMOĞLU(Öğrenci), 2003

ÖNAL A. M., 2-aminofloren, floren ve 9-florenon un elektrokimyasal polimerleşmesi, Yüksek Lisans, T.İmamoğlu(Öğrenci), 2003

ÖNAL A. M., Spectroelectrochemical investigations of pyrimidine-2-thionato-bridged binuclear platinum(III) complexes, Yüksek Lisans, Ö.ÖZBEK(Öğrenci), 2002

ÖNAL A. M., Anionic polymerization of styrene oxide, Yüksek Lisans, H.GÜLER(Öğrenci), 2000

ÖNAL A. M., Chemical and electrochemical polymerization of halogenated anilines, Yüksek Lisans, A.CİHANER(Öğrenci), 2000

ÖNAL A. M., Electrochemical synthesis of some conducting polymers and investigations of their conduction mechanism ESR technique, Yüksek Lisans, B.DEMİRBOĞA(Öğrenci), 1998

- ÖNAL A. M., Polymerization of styrene oxide by using nickel ethyl xanthate as an initiator, Doktora, N.Kayatürk(Öğrenci), 1996
- ÖNAL A. M., Polymerization of styrene oxide by using nickel ethyl xanthate as an initiate, Doktora, N.KAYATÜRK(Öğrenci), 1996
- ÖNAL A. M., Electrochemical behaviour of some metal complexes containing sulphur ligands, Yüksek Lisans, Ş.ÖZALP(Öğrenci), 1993
- ÖNAL A. M., Polymerization of allylbenzene, Yüksek Lisans, K.SOUSY(Öğrenci), 1988

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Fluorine atom effect in D-A-D type conjugated small molecules and polymers**
Önal A. M., Çakal D., Boztaş Y.
POLYMER, cilt.307, 2024 (SCI-Expanded)
- II. **Theoretical and experimental investigation of bridging atom effect on the fluorene and silafluorene based trimeric monomers and their corresponding polymers**
DEMİR ARABACI E., YILDIRIM E., ÖNAL A. M.
Dyes and Pigments, cilt.216, 2023 (SCI-Expanded)
- III. **Synthesis and Characterization of a Luminol Based Chemiluminescent Trimeric System**
Kesimal B., Balci B., Cakal D., ÖNAL A. M., Cihaner A.
Journal of Fluorescence, cilt.33, sa.4, ss.1525-1535, 2023 (SCI-Expanded)
- IV. **D-A-D type conjugated polymers in dual electrochromic devices tuning from green to blue colors**
İÇLİ ÖZKUT M., ÖNAL A. M., Cihaner A.
Synthetic Metals, cilt.296, 2023 (SCI-Expanded)
- V. **Effect of phthalimide and thieno[3,4-c]pyrrole-4,6,dione acceptors on π -conjugated donor-acceptor-donor monomers: Experimental and theoretical investigations of photophysical and electrochemical properties**
ÇAKAL D., DEMİR ARABACI E., YILDIRIM E., Cihaner A., ÖNAL A. M.
Tetrahedron, cilt.140, 2023 (SCI-Expanded)
- VI. **Side chain effect on the electrochemical and optical properties of thieno[3,4-c]pyrrole-4,6-dione based donor-acceptor donor type monomers and polymers**
ÇAKAL D., DEMİR ARABACI E., YILDIRIM E., CİHANER A., ÖNAL A. M.
MOLECULAR SYSTEMS DESIGN & ENGINEERING, cilt.8, sa.1, ss.65-78, 2023 (SCI-Expanded)
- VII. **The Utilization of Iridium Nanoparticles Impregnated on Metal Oxides (Ceria, Titania, and Zirconia) with a Simple and Ecologically Safe Synthesis Approach in Oxygen Evolution Reactions**
AKBAYRAK M., ÖNAL A. M.
Journal of the Electrochemical Society, cilt.169, sa.7, 2022 (SCI-Expanded)
- VIII. **Synthesis and electropolymerization of donor-acceptor-donor type monomers based on azobenzene-substituted thieno[3,4-c]pyrrole-4,6-dione acceptors**
ÇAKAL D., CİHANER A., ÖNAL A. M.
ELECTROCHIMICA ACTA, cilt.398, 2021 (SCI-Expanded)
- IX. **Metal oxides supported cobalt nanoparticles: Active electrocatalysts for oxygen evolution reaction**
AKBAYRAK M., ÖNAL A. M.
ELECTROCHIMICA ACTA, cilt.393, 2021 (SCI-Expanded)
- X. **Polyhedral oligomeric silsesquioxanes appended conjugated soluble polymers based on thieno[3,4-c]pyrrole-4,6,dione acceptor unit**
ÇAKAL D., CİHANER A., ÖNAL A. M.
ELECTROCHIMICA ACTA, cilt.377, 2021 (SCI-Expanded)
- XI. **Effect of the donor units on the properties of fluorinated acceptor based systems**
Çakal D., Akdağ A., Cihaner A., Önal A. M.
Dyes and Pigments, cilt.185, 2021 (SCI-Expanded)

- XII. **High Durability and Electrocatalytic Activity Toward Hydrogen Evolution Reaction with Ultralow Rhodium Loading on Titania**
AKBAYRAK M., ÖNAL A. M.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, cilt.167, sa.15, 2020 (SCI-Expanded)
- XIII. **Effect of fluorine substituted benzothiadiazole on electro-optical properties of donor-acceptor-donor type monomers and their polymers**
ÇAKAL D., Ercan Y. E., ÖNAL A. M., CİHANER A.
DYES AND PIGMENTS, cilt.182, 2020 (SCI-Expanded)
- XIV. **Binder- free iridium based electrocatalysts: Facile preparation, high activity and outstanding stability for hydrogen evolution reaction in acidic medium**
AKBAYRAK M., ÖNAL A. M.
JOURNAL OF COLLOID AND INTERFACE SCIENCE, cilt.580, ss.11-20, 2020 (SCI-Expanded)
- XV. **Ceria Supported Nickel(0) Nanoparticles: A Highly Active and Low Cost Electrocatalyst for Hydrogen Evolution Reaction**
DEMİR ARABACI E., ÖNAL A. M., ÖZKAR S.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, cilt.167, sa.10, 2020 (SCI-Expanded)
- XVI. **Cross-exchange of donor units in donor-acceptor-donor type conjugated molecules: Effect of symmetrical and unsymmetrical linkage on the electrochemical and optical properties**
Eroglu D., ERGÜN E. G. C., ÖNAL A. M.
TETRAHEDRON, cilt.76, sa.19, 2020 (SCI-Expanded)
- XVII. **Synthesis and electropolymerization of thieno[3,4-c]pyrrole-4,6-dione based donor-acceptor-donor type monomers**
ÇAKAL D., CİHANER A., ÖNAL A. M.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, cilt.862, 2020 (SCI-Expanded)
- XVIII. **Efficient Ceria-Supported Rhodium Nanoparticles as an Electrocatalyst for Hydrogen Evolution**
Akbayrak M., Önal A. M.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, cilt.166, sa.16, 2019 (SCI-Expanded)
- XIX. **Nanowires assembled from iron manganite nanoparticles: Synthesis, characterization, and investigation of electrocatalytic properties for water oxidation reaction**
Çetin A., Önal A. M., Esenturk E.
Journal of Materials Research, cilt.34, ss.3231-3239, 2019 (SCI-Expanded)
- XX. **Investigation of Fluorine Atom Effect on Benzothiadiazole Acceptor Unit in Donor Acceptor Donor Systems**
Çakal D., Boztas Y., Akdağ A., Önal A. M.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, cilt.166, 2019 (SCI-Expanded)
- XXI. **Chromium substituted iron oxide nanowires as affordable electrocatalysts for oxygen evolution reaction**
Kocabas S., Çetin A., Önal A. M., Esenturk E.
JOURNAL OF NANOPARTICLE RESEARCH, cilt.21, 2019 (SCI-Expanded)
- XXII. **Magnesium substituted cobalt spinel nanostructures for electrocatalytic water oxidation**
Ekebas E., Çetin A., Önal A. M., Nalbant Esentürk E.
JOURNAL OF APPLIED ELECTROCHEMISTRY, cilt.49, ss.315-325, 2019 (SCI-Expanded)
- XXIII. **Electrochemical and optical properties of substituted phthalimide based monomers and electrochemical polymerization of 3,4-ethylenedioxythiophene-polyhedral oligomeric silsesquioxane (POSS) analogue**
Çakal D., Ertan S., Cihaner A., Önal A. M.
DYES AND PIGMENTS, cilt.161, ss.411-418, 2019 (SCI-Expanded)
- XXIV. **Ceria supported ruthenium(0) nanoparticles: Highly efficient catalysts in oxygen evolution reaction**
DEMİR ARABACI E., AKBAYRAK S., ÖNAL A. M., ÖZKAR S.
JOURNAL OF COLLOID AND INTERFACE SCIENCE, cilt.534, ss.704-710, 2019 (SCI-Expanded)
- XXV. **Titania, zirconia and hafnia supported ruthenium(0) nanoparticles: Highly active hydrogen**

evolution catalysts

DEMİR ARABACI E., AKBAYRAK S., ÖNAL A. M., ÖZKAR S.

JOURNAL OF COLLOID AND INTERFACE SCIENCE, cilt.531, ss.570-577, 2018 (SCI-Expanded)

- XXVI. **Synthesis and electrochemical polymerization of D-A-D type monomers with thieno [3,4-c] pyrrole-4,6-dione acceptor unit**
Çakal D., Ertan S., Cihaner A., Önal A. M.
DYES AND PIGMENTS, cilt.158, ss.175-182, 2018 (SCI-Expanded)
- XXVII. **Electrochemical and optical properties of dicyclohexylmethyl substituted poly(3,4-propylenedioxythiophene) analogue**
Çakal D., Cihaner A., Önal A. M.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.135, 2018 (SCI-Expanded)
- XXVIII. **Carbazole based electrochromic polymers bearing ethylenedioxy and propylenedioxy scaffolds**
ERGÜN E. G. C., ÖNAL A. M.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, cilt.815, ss.158-165, 2018 (SCI-Expanded)
- XXIX. **Nanoceria-Supported Ruthenium(0) Nanoparticles: Highly Active and Stable Catalysts for Hydrogen Evolution from Water**
DEMİR ARABACI E., Akbayrak S., ÖNAL A. M., AKBAYRAK S.
ACS APPLIED MATERIALS & INTERFACES, cilt.10, sa.7, ss.6299-6308, 2018 (SCI-Expanded)
- XXX. **NEW EDOT CONTAINING POLYMERS: EFFECT OF RING SIZE ON THE BENZIMIDAZOLE ACCEPTOR**
Cansu-Ergun E. G., ÖNAL A. M., CİHANER A.
ELECTROCHIMICA ACTA, cilt.188, ss.165-174, 2016 (SCI-Expanded)
- XXXI. **Synthesis and electrochemical polymerization of diketopyrrolopyrrole based donor-acceptor-donor monomers containing 3,6-and 2,7-linked carbazoles**
Akbayrak M., Önal A. M.
POLYMER CHEMISTRY, cilt.7, ss.6110-6119, 2016 (SCI-Expanded)
- XXXII. **Synthesis and Electrochemical Polymerization of Dithienosilole-Based Monomers Bearing Different Donor Units**
Eken S., Ergun E. G. C., ÖNAL A. M.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, cilt.163, sa.6, 2016 (SCI-Expanded)
- XXXIII. **Propylenedioxy and Benzimidazole Based Electrochromic Polymers**
Cansu-Ergun E. G., ÖNAL A. M., CİHANER A.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, cilt.163, sa.5, 2016 (SCI-Expanded)
- XXXIV. **Synthesis and electro-optical properties of a new copolymer based on EDOT and carbazole**
AKBAYRAK M., ERGÜN E. G. C., ÖNAL A. M.
DESIGNED MONOMERS AND POLYMERS, cilt.19, sa.7, ss.679-687, 2016 (SCI-Expanded)
- XXXV. **Electrochemical synthesis of new conjugated polymers based on carbazole and furan units**
Oguzturk H. E., TİRKEŞ S., ÖNAL A. M.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, cilt.750, ss.1-8, 2015 (SCI-Expanded)
- XXXVI. **Electrochemical polymerization of a new low-voltage oxidized thienylenepyrrole-derivative and its electrochromic device application**
Carbas B. B., KIVRAK A., TEKE E., ZORA M., ÖNAL A. M.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, cilt.729, ss.15-20, 2014 (SCI-Expanded)
- XXXVII. **Spectroelectrochemical investigations of pyrimidine-2-thionato-bridged binuclear platinum(III) complexes**
Ozbek O., ÖZALP YAMAN Ş., ÖZKAN İ., ÖNAL A. M., İŞÇİ H.
POLYHEDRON, cilt.74, ss.122-128, 2014 (SCI-Expanded)
- XXXVIII. **A new blue light emitting and electrochromic polyfluorene derivative for display applications**
Carbas B. B., Asil D., Friend R. H., ÖNAL A. M.
ORGANIC ELECTRONICS, cilt.15, sa.2, ss.500-508, 2014 (SCI-Expanded)
- XXXIX. **Electrochemical Behavior of Hydrazine Borane in Methanol Solution**
Ozhava D., ÖNAL A. M., ÖZKAR S.

- JOURNAL OF THE ELECTROCHEMICAL SOCIETY, cilt.161, sa.12, 2014 (SCI-Expanded)
- XL. **Synthesis of New Thienylene Pyrrole Monomers and Their Electropolymerizations**
Eken S., Carbas B. B., AKDAĞ A., ÖNAL A. M.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, cilt.161, sa.14, 2014 (SCI-Expanded)
- XLI. **Optical and Electronic Properties of Fluorene-Based Copolymers and Their Sensory Applications**
Ibrahimova V., Kocak M. E., ÖNAL A. M., TUNCEL D.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, cilt.51, sa.4, ss.815-823, 2013 (SCI-Expanded)
- XLII. **Synthesis and electro-optical properties of new conjugated hybrid polymers based on furan and fluorene units**
Gunes A., CİHANER A., ÖNAL A. M.
ELECTROCHIMICA ACTA, cilt.89, ss.339-345, 2013 (SCI-Expanded)
- XLIII. **Furan and benzochalcogenodiazole based multichromic polymers via a donor-acceptor approach**
İçli Özkut M., İPEK H., Karabay B., CİHANER A., ÖNAL A. M.
POLYMER CHEMISTRY, cilt.4, sa.8, ss.2457-2463, 2013 (SCI-Expanded)
- XLIV. **Synthesis and electropolymerization of an ion sensing and fluorescent fluorene derivative bearing a quinoxaline moiety and its analogues with different donor units**
KIVRAK A., Carbas B. B., ZORA M., ÖNAL A. M.
REACTIVE & FUNCTIONAL POLYMERS, cilt.72, sa.9, ss.613-620, 2012 (SCI-Expanded)
- XLV. **Synthesis and electropolymerization of a new ion sensitive ethylenedioxy-substituted terthiophene monomer bearing a quinoxaline moiety**
Carbas B. B., Kivrak A., ZORA M., ÖNAL A. M.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, cilt.677, ss.9-14, 2012 (SCI-Expanded)
- XLVI. **New fluorene-xanthene-based hybrid electrochromic and fluorescent polymers via donor-acceptor approach**
Carbas B. B., ÖNAL A. M.
ELECTROCHIMICA ACTA, cilt.66, ss.38-44, 2012 (SCI-Expanded)
- XLVII. **Substituent and heteroatom effects on the electrochromic properties of similar systems**
Icli-Ozkut M., Mersini J., ÖNAL A. M., CİHANER A.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, cilt.50, sa.4, ss.615-621, 2012 (SCI-Expanded)
- XLVIII. **Members of CMY Color Space: Cyan and Magenta Colored Polymers Based on Oxadiazole Acceptor Unit**
Ozkut M. I., Algi M. P., Oztas Z., Algi F., ÖNAL A. M., CİHANER A.
MACROMOLECULES, cilt.45, sa.2, ss.729-734, 2012 (SCI-Expanded)
- XLIX. **Donor-acceptor polymer electrochromes with cyan color: Effect of alkyl chain length on doping processes**
Celikbilek O., Icli-Ozkut M., Algi F., ÖNAL A. M., CİHANER A.
ORGANIC ELECTRONICS, cilt.13, sa.1, ss.206-213, 2012 (SCI-Expanded)
- L. **A new processable electrochromic polymer based on an electron deficient fluorene derivative with a high coloration efficiency**
Carbas B. B., Kivrak A., ÖNAL A. M.
ELECTROCHIMICA ACTA, cilt.58, ss.223-230, 2011 (SCI-Expanded)
- LI. **Electropolymerization of a New 4-(2,5-Di-2-thiophen-2-yl-pyrrol-1-yl)-Tetra Substituted Nickel Phthalocyanine Derivative**
Yavuz A., Carbas B. B., Aras L., ÖNAL A. M.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.122, sa.2, ss.1293-1299, 2011 (SCI-Expanded)
- LII. **Soluble Alkyl Substituted Poly(3,4-Propylenedioxy-selenophene)s: A New Platform For Optoelectronic Materials**
Atak S., Icli-Ozkut M., ÖNAL A. M., CİHANER A.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, cilt.49, sa.20, ss.4398-4405, 2011 (SCI-Expanded)
- LIII. **Synthesis of a novel fluorescent and ion sensitive monomer bearing quinoxaline moieties and its electropolymerization**

- Carbas B. B., KIVRAK A., ZORA M., ÖNAL A. M.
REACTIVE & FUNCTIONAL POLYMERS, cilt.71, sa.5, ss.579-587, 2011 (SCI-Expanded)
- LIV. **A blue to highly transmissive soluble electrochromic polymer based on poly(3,4-propylenedioxyselephenone) with a high stability and coloration efficiency**
Ozkut M. I., Atak S., ÖNAL A. M., CİHANER A.
JOURNAL OF MATERIALS CHEMISTRY, cilt.21, sa.14, ss.5268-5272, 2011 (SCI-Expanded)
- LV. **Donor-Acceptor Polymer Electrochromes with Tunable Colors and Performance**
Icli M., Pamuk M., Algi F., ÖNAL A. M., CİHANER A.
CHEMISTRY OF MATERIALS, cilt.22, sa.13, ss.4034-4044, 2010 (SCI-Expanded)
- LVI. **A new soluble neutral state black electrochromic copolymer via a donor-acceptor approach**
Icli M., Pamuk M., Algi F., ÖNAL A. M., CİHANER A.
ORGANIC ELECTRONICS, cilt.11, sa.7, ss.1255-1260, 2010 (SCI-Expanded)
- LVII. **Electrochromic performance and ion sensitivity of a terthienyl based fluorescent polymer**
Atilgan N., CİHANER A., ÖNAL A. M.
REACTIVE & FUNCTIONAL POLYMERS, cilt.70, sa.4, ss.244-250, 2010 (SCI-Expanded)
- LVIII. **Electrochemical copolymerization and characterization of dianilines linked by polyether bridge with aniline**
TİRKEŞ S., ÖNAL A. M.
JOURNAL OF APPLIED ELECTROCHEMISTRY, cilt.40, sa.4, ss.865-873, 2010 (SCI-Expanded)
- LIX. **Synthesis and electropolymerization of the phthiocyanines with 4-(2,5-di-2-thiophen-2-yl-pyrrol-1-yl) substituents**
Yavuz A., Bezgin B., Aras L., ÖNAL A. M.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, cilt.639, ss.116-122, 2010 (SCI-Expanded)
- LX. **Electrochemical polymerization of an electron deficient fluorene derivative bearing ethylenedioxythiophene side groups**
Bezgin B., ÖNAL A. M.
ELECTROCHIMICA ACTA, cilt.55, sa.3, ss.779-784, 2010 (SCI-Expanded)
- LXI. **Synthesis and Characterization of a New Conducting Polymer Based on 4-(2,5-di-2-thiophen-2-yl-pyrrol-1-yl)-phthalonitrile**
Yavuz A., Bezgin B., ÖNAL A. M.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.114, sa.5, ss.2685-2690, 2009 (SCI-Expanded)
- LXII. **Electropolymerization and ion sensitivity of chemiluminescent thienyl systems**
ASİL ALPTEKİN D., CİHANER A., ÖNAL A. M.
ELECTROCHIMICA ACTA, cilt.54, sa.26, ss.6740-6746, 2009 (SCI-Expanded)
- LXIII. **Synthesis and properties of a novel redox driven chemiluminescent material built on a terthienyl system**
Atilgan N., Algi F., ÖNAL A. M., CİHANER A.
TETRAHEDRON, cilt.65, ss.5776-5781, 2009 (SCI-Expanded)
- LXIV. **Electrochemical co-polymerization of a novel fluorene derivative with 3,4-ethylenedioxythiophene**
Bezgin B., Yagan A., ÖNAL A. M.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, cilt.632, ss.143-148, 2009 (SCI-Expanded)
- LXV. **Template-free microsphere and hollow sphere formation of polymethylanilines**
Icli M., ÖNAL A. M., CİHANER A.
POLYMER INTERNATIONAL, cilt.58, sa.6, ss.674-679, 2009 (SCI-Expanded)
- LXVI. **A glow in the dark: synthesis and electropolymerization of a novel chemiluminescent terthienyl system**
ASİL ALPTEKİN D., CİHANER A., ÖNAL A. M.
CHEMICAL COMMUNICATIONS, sa.3, ss.307-309, 2009 (SCI-Expanded)
- LXVII. **Electrochemical polymerization of 9-fluorencarboxylic acid and its electrochromic device application**
Bezgin B., CİHANER A., ÖNAL A. M.

- THIN SOLID FILMS, cilt.516, sa.21, ss.7329-7334, 2008 (SCI-Expanded)
- LXVIII. **A novel conducting polymer based on terthienyl system bearing strong electron-withdrawing substituents and its electrochromic device application**
ASİL ALPTEKİN D., CİHANER A., ALGI F., ÖNAL A. M.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, cilt.618, ss.87-93, 2008 (SCI-Expanded)
- LXIX. **Impedance spectroscopy of N-substituted oligo-oxyethylene polypyrrole films**
CİHANER A., ÖNAL A. M.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.108, sa.4, ss.2373-2378, 2008 (SCI-Expanded)
- LXX. **Synthesis of N-polyetheral polypyrroles and their application for the preconcentration of rare earth ions**
Koksel B., CİHANER A., Kaya M., Volkan M., ÖNAL A. M.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.108, sa.4, ss.2707-2711, 2008 (SCI-Expanded)
- LXXI. **A fast switching, low band gap, p- and n-dopable, donor-acceptor type polymer**
Gunbas G. E., ÇAMURLU P., Akhmedov I. M., TANYELİ C., ÖNAL A. M., Toppare L.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, cilt.615, sa.1, ss.75-83, 2008 (SCI-Expanded)
- LXXII. **Electrochemical synthesis of poly(3-bromo-4-methoxythiophene) and its device application**
CİHANER A., ONAL A. M.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, cilt.601, ss.68-76, 2007 (SCI-Expanded)
- LXXIII. **Investigation of the effect of dopant on characteristics of poly(3-methyl thiophene) via pyrolysis mass spectrometry**
Gözet T., Önal A. M., Hacaloğlu J.
Journal of Macromolecular Science, Part A: Pure and Applied Chemistry, cilt.44, ss.259-263, 2007 (SCI-Expanded)
- LXXIV. **Electrosynthesis of polyfuran in acetonitrile-boron trifluoride-ethyl ether mixture and its device application**
Tirkes S., Onal A. M.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.103, sa.2, ss.871-876, 2007 (SCI-Expanded)
- LXXV. **Synthesis and electrochemistry of Group 6 tetracarbonyl (N,N'-bis(ferrocenylmethylene)ethylenediamine)metal(0) complexes**
Kocak F. S., Kavaklı C., Akyol C., Onal A. M., Ozkar S.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.691, sa.23, ss.5030-5037, 2006 (SCI-Expanded)
- LXXVI. **Electrochemical copolymerization of thiophene containing pseudo-polyether cages with pyrrole**
Cihaner A., Onal A. M.
TURKISH JOURNAL OF CHEMISTRY, cilt.30, sa.5, ss.629-634, 2006 (SCI-Expanded)
- LXXVII. **Electrochemical polymerization of para-substituted haloanilines**
Cihaner A., Onal A.
JOURNAL OF MACROMOLECULAR SCIENCE-PURE AND APPLIED CHEMISTRY, sa.1, ss.153-163, 2006 (SCI-Expanded)
- LXXVIII. **Electrochemistry of nickel(II) complexes with N,N'-bis(3,5-di-tert-butylsalicylidene)polymethylenediamines**
Ozalp-Yaman S., Kasumov V., Onal A.
POLYHEDRON, cilt.24, sa.14, ss.1821-1828, 2005 (SCI-Expanded)
- LXXIX. **Pyrolysis mass spectrometry analysis of electrochemically grafted polyacrylonitrile with thiophene**
Oguz G., HACALOĞLU J., ÖNAL A. M.
Journal of Macromolecular Science - Pure and Applied Chemistry, sa.10, ss.1387-1397, 2005 (SCI-Expanded)
- LXXX. **Electrochemical copolymerization of 2-substituted thiophene derivative linked by polyether bridge with thiophene**
Cihaner A., Onal A.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, cilt.583, sa.1, ss.104-108, 2005 (SCI-Expanded)
- LXXXI. **Synthesis of a regular polymer containing pseudo-polyether cages**
Cihaner A., Onal A.
SYNTHETIC METALS, cilt.150, sa.1, ss.39-45, 2005 (SCI-Expanded)

- LXXXII. **Synthesis and polymerization of 2-and 3-substituted thiophene derivatives linked by polyether bridges**
Tirkes S., Cihaner A., Onal A.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, cilt.573, sa.1, ss.189-196, 2004 (SCI-Expanded)
- LXXXIII. **Spectroelectrochemical investigation of the anodic oxidation of dibenzo-18-crown-6**
Cihaner A., Onal A.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, cilt.571, sa.2, ss.159-167, 2004 (SCI-Expanded)
- LXXXIV. **Electrochemical polymerisation of 2-aminofluorene in ethylalcohol/water medium**
Imamoglu T., Onal A.
EUROPEAN POLYMER JOURNAL, cilt.40, sa.8, ss.1875-1880, 2004 (SCI-Expanded)
- LXXXV. **Electrochemical polymerization of 9-fluorenone**
Cihaner A., Tirkes S., Onal A.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, cilt.568, ss.151-156, 2004 (SCI-Expanded)
- LXXXVI. **Pyrolysis mass spectrometry analysis of BF₄ - doped polythiophene**
Gozet T., HACALOĞLU J., ÖNAL A. M.
Journal of Macromolecular Science - Pure and Applied Chemistry, sa.6, ss.713-725, 2004 (SCI-Expanded)
- LXXXVII. **Electrical, optical and photoconductive properties of poly(dibenzo-18-crown-6)**
Qasrawi A., Cihaner A., Onal A.
CRYSTAL RESEARCH AND TECHNOLOGY, cilt.39, sa.1, ss.56-62, 2004 (SCI-Expanded)
- LXXXVIII. **Electrochemical and quantum chemical studies on mitomycin and adriamycin**
Ozalp-Yaman S., Onal A., Turker L.
JOURNAL OF MOLECULAR STRUCTURE, cilt.654, ss.81-93, 2003 (SCI-Expanded)
- LXXXIX. **Electrochemistry of acetate-, carbonate-, sulfate-, and dihydrogenphosphate-bridged dirhodium(II) complexes**
Yaman S., Onal A., Isci H.
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL SCIENCES, cilt.58, sa.6, ss.563-570, 2003 (SCI-Expanded)
- XC. **Characterization of BF₄- doped polythiophene via pyrolysis mass spectrometry**
Gozet T., ÖNAL A. M., HACALOĞLU J.
Synthetic Metals, ss.453-454, 2003 (SCI-Expanded)
- XC. **Electrochemical behaviour and electrochemical polymerization of fluoro-substituted anilines**
Cihaner A., Onal A.
POLYMER INTERNATIONAL, cilt.51, sa.8, ss.680-686, 2002 (SCI-Expanded)
- XCII. **Low-temperature spectroelectrochemistry of tetraethylammonium tris(ethylxanthato)nickelate(II) and bis(ethylxanthato)nickel(II) complexes**
Onal A., Isci H., Yaman S.
INORGANIC REACTION MECHANISMS, cilt.4, ss.133-139, 2002 (SCI-Expanded)
- XCIII. **Spectroelectrochemical investigation of pentacarbonyl(pyrazine)metal(0) (metal = Cr, Mo, W) complexes of group 6 elements**
Yaman S., Esenturk E., Kayran C., Onal A.
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL SCIENCES, cilt.57, sa.1, ss.92-98, 2002 (SCI-Expanded)
- XCIV. **Spectroelectrochemistry of potassium ethylxanthate, bis(ethylxanthato)nickel(II) and tetraethylammonium tris(ethylxanthato)nickelate(II)**
Dag O., Yaman S., Onal A., Isci H.
JOURNAL OF THE CHEMICAL SOCIETY-DALTON TRANSACTIONS, sa.19, ss.2819-2824, 2001 (SCI-Expanded)
- XCV. **Electrochemical polymerisation of (2, 4,6-trihalophenolato) nickel(II) complexes in solution**
Aydeniz K., Onal A., Kisakurek D.
EUROPEAN POLYMER JOURNAL, cilt.37, sa.10, ss.2017-2023, 2001 (SCI-Expanded)
- XCVI. **Synthesis and characterization of fluorine-substituted polyanilines**
Cihaner A., Onal A.

- EUROPEAN POLYMER JOURNAL, cilt.37, sa.9, ss.1767-1772, 2001 (SCI-Expanded)
- XCVII. Electrochemical polymerization of 4-allylanisole**
Cihaner A., Testereci H., Onal A.
EUROPEAN POLYMER JOURNAL, cilt.37, sa.9, ss.1747-1752, 2001 (SCI-Expanded)
- XCVIII. Spectro-electrochemistry of diethyldithiocarbamate complexes of Ni(II), Pd(II) and Pt(II)**
Yaman S., Onal A., Isci H.
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL SCIENCES, cilt.56, sa.2, ss.202-208, 2001 (SCI-Expanded)
- XCIX. Electroinitiated polymerization of 2-allylphenol**
Cihaner A., Onal A.
POLYMER BULLETIN, cilt.45, sa.1, ss.45-52, 2000 (SCI-Expanded)
- C. ESR and conductivity investigations on electrochemically synthesized polyfuran and polythiophene**
Demirboga B., Onal A.
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, cilt.61, sa.6, ss.907-913, 2000 (SCI-Expanded)
- CI. Gamma-radiation initiated addition of allylbenzene to the morpholine**
Nesterov S., Kucukyavuz S., Onal A.
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, cilt.242, sa.1, ss.91-96, 1999 (SCI-Expanded)
- CII. Radiation induced chain addition of allylbenzene to 1,4-dioxane**
Nesterov S., Kucukyavuz S., Onal A.
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, cilt.240, sa.3, ss.953-957, 1999 (SCI-Expanded)
- CIII. Electrochemical polymerization of furan and 2-methylfuran**
Demirboga B., Onal A.
SYNTHETIC METALS, cilt.99, sa.3, ss.237-242, 1999 (SCI-Expanded)
- CIV. Polymerization by bis(ethylxanthato)nickel(II) as an initiator. I. Polymerization of styrene oxide**
Kayaturk N., Usanmaz A., Onal A.
JOURNAL OF MACROMOLECULAR SCIENCE-PURE AND APPLIED CHEMISTRY, sa.1, ss.115-135, 1999 (SCI-Expanded)
- CV. Electrochemical study of tricarbonyl(eta(6)-cyclooctatetraene)metal(0) complexes of the group 6 elements**
Yilmaz G., Onal A., Ozkar S.
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL SCIENCES, cilt.53, sa.8, ss.875-880, 1998 (SCI-Expanded)
- CVI. Thermal analysis of electroinitiated and radiation induced poly(epoxycyclopentanes) and poly(epoxycyclohexanes) by mass spectrometry**
HACALOĞLU J., ÖNAL A. M.
European Polymer Journal, cilt.31, sa.2, ss.103-107, 1995 (SCI-Expanded)
- CVII. Pyrolysis Studies to Investigate Effects of Polymerization Techniques on Structure and Thermal Behavior of Poly(1,2-Epoxy-4-Epoxyethylcyclohexanes)**
HACALOĞLU J., Yalçın T., ÖNAL A. M.
Journal of Macromolecular Science, Part A, cilt.32, sa.6, ss.1167-1181, 1995 (SCI-Expanded)
- CVIII. FREE-RADICAL MEDIATED INTERACTION OF ASCORBIC-ACID AND ASCORBATE/CU(II) WITH VIRAL AND PLASMID DNAs**
ERDEM G., ONER C., ONAL A., KISAKUREK D., OGUS A.
JOURNAL OF BIOSCIENCES, cilt.19, sa.1, ss.9-17, 1994 (SCI-Expanded)
- CIX. ANODIC POTENTIAL HOMO ENERGY RELATIONS OF FLUORENE DERIVATIVES**
SEN S., CELEBI N., TURKER L., ONAL A.
BULLETIN DES SOCIETES CHIMIQUES BELGES, cilt.102, sa.9, ss.583-587, 1993 (SCI-Expanded)
- CX. RADIATION-INDUCED AND ELECTROINITIATED POLYMERIZATION OF ALLYL BENZENE**
SOUSY K., USANMAZ A., ONAL A.
POLYMER, cilt.31, sa.8, ss.1564-1567, 1990 (SCI-Expanded)
- CXI. ELECTROCHEMISTRY OF TRICARBONYL(ETA-6-1,3,5-CYCLOHEPTATRIENE)METAL(O) COMPLEXES OF**

THE GROUP-6B ELEMENTS IN APROTIC MEDIA

OZER Z., OZKAR S., ONAL A.

INORGANICA CHIMICA ACTA, cilt.156, sa.2, ss.281-284, 1989 (SCI-Expanded)

CXII. POLYMERIZATION OF N-VINYLCARBAZOLE INITIATED BY UV-RADIATION

USANMAZ A., ONAL A., BOSTAN S.

BRITISH POLYMER JOURNAL, cilt.21, sa.1, ss.71-76, 1989 (SCI-Expanded)

CXIII. GAMMA-RADIOLYSIS OF POLY(A) IN AQUEOUS-SOLUTION - EFFICIENCY OF STRAND BREAK FORMATION BY PRIMARY WATER RADICALS

ONAL A., LEMAIRE D., BOTHE E., SCHULTEFROHLINDE D.

INTERNATIONAL JOURNAL OF RADIATION BIOLOGY, cilt.53, sa.5, ss.787-796, 1988 (SCI-Expanded)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Synthesis and Electrochemical Polymerization of Diketopyrrolopyrrole Based Donor-Acceptor-Donor Monomers Containing 3,6- and 2,7-linked Carbazoles**
ÖNAL A. M., AKBAYRAK M.
The 69th Annual Meeting of the International Society of Electrochemistry, 2 - 07 Eylül 2018
- II. **Synthesis and Characterization of Some Carbazole Based Electrochromic Polymers**
CANSU ERGÜN E. G., ÖNAL A. M.
Uluslararası Katılımlı VII. Polimer Bilim ve Teknoloji Kongresi, Eskişehir, Türkiye, 9 - 12 Eylül 2018
- III. **SYNTHESIS AND ELECTROPOLYMERIZATION OF NEW HYBRID MONOMERS CONTAINING CARBAZOLE UNITS**
AKBAYRAK M., ÖNAL A. M.
International Congress on Semiconductor Materials and Devices (ICSMD-2017), 17 Ağustos 2016 - 19 Ağustos 2017
- IV. **Spinel Metal Oxide Nanoparticles: Synthesis, Characterization and Catalytic Activities towards Water Oxidation**
ÇETİN A., ÖNAL A. M., NALBANT ESENTÜRK E.
Nano TR13, 22 - 25 Ekim 2017
- V. **Karbazol Birimleri İçeren Yeni Hibrit Monomerlerin Sentezi Ve Elektrokimyasal Polimerizasyonu**
AKBAYRAK M., ÖNAL A. M.
29. Ulusal Kimya Kongresi, Türkiye, 10 - 14 Eylül 2017
- VI. **Polymerization of novel donor acceptor type functional fluorene derivatives at C-9 position**
ÇARBAŞ B., Kıvrak A., ÖNAL A. M., ZORA M.
243rd National Spring Meeting of the American-Chemical-Society, California, Amerika Birleşik Devletleri, 25 - 29 Mart 2012, cilt.243
- VII. **Electrochemical and chemical oxidation of $K(C_2H_5OCS_2)_2$, $[Ni(C_2H_5OCS_2)_2]$ and $[N(C_2H_5)_4][Ni(C_2H_5OCS_2)_3]$**
Dag O., Onal A., Isci H.
NATO Advanced Study Institute on Cytotoxic, Mutagenic and Carcinogenic Potential of Heavy Metals Related to Human Environment, PRZESIEKA, Polonya, 15 - 26 Haziran 1996, cilt.26, ss.579-590

Desteklenen Projeler

ÖNAL A. M., ŞANLI S., Yükseköğretim Kurumları Destekli Proje, İLETKEN POLİMERLER İLE MODİFİYE EDİLMİŞ CAMSI KARBON ELEKTROTTLERİN ANTIÖKSİDANTLARIN ELEKTROKİMYASAL TAYİNİNDE KULLANILMASI, 2018 - 2019

ÖNAL A. M., ÇAKAL D., Yükseköğretim Kurumları Destekli Proje, YENİ KONJUGE HİBRİT MONOMERLERİN SENTEZİ, POLİMERLEŞTİRİLMİŞ VE OPTOELEKTRONİK UYGULAMALARI, 2018 - 2019

ÖNAL A. M., AKBAYRAK M., Yükseköğretim Kurumları Destekli Proje, METAL OKSİTLERLE DESTEKLENMİŞ GRUP 9B

METAL NANOPARÇACIKLARININ HAZIRLANMASI. TANIMLANMASI VE ELEKTROKİMYASAL KATALİZÖRLER OLARAK SUYUN AYRIŞMASINDA KULLANILMASI, 2018 - 2019

ÖNAL A. M., DEMİR E., Yükseköğretim Kurumları Destekli Proje, ORGANİK MOLEKÜLLERİN ELEKTRO-OKSİDASYONU İÇİN YÜKSEK KATALİTİK PERFORMANSA FOR ELEKTRO-OKİDATION OF ORGANIC MOLECULES, 2018 - 2019

TOPPARE L. K., ÖNAL A. M., ESENTÜRK O., DANIŞMAN M. F., EREL GÖKTEPE İ., ÇIRPAN A., ASİL ALPTEKİN D., HACALOĞLU J., Yükseköğretim Kurumları Destekli Proje, İletken Kopolimer Bazlı Alkol Biyosensörleri Geliştirilmesi, 2018 - 2019

ÖNAL A. M., Yükseköğretim Kurumları Destekli Proje, Donör-Akseptör-Donör Sisteminde Tasarlanmış Polimerin Elektrokimyasal Ve Kimyasal Yöntemle Sentezi, 2010 - 2019

ÖNAL A. M., Yükseköğretim Kurumları Destekli Proje, YENİ KONJUGE HİBRİT MONOMERLERİN SENTEZİ, POLİMERLEŞTİRİLMİŞ VE OPTOELEKTRONİK UYGULAMALARI, 2017 - 2017

ÖNAL A. M., Yükseköğretim Kurumları Destekli Proje, ELEKTROKATALİTİK HİDROJEN GAZI SALINIMINDA KULLANILMAK ÜZERE MODİFİYE EDİLMİŞ ELEKTROTLARIN HAZIRLANMASI, 2017 - 2017

TOPPARE L. K., ÖNAL A. M., ESENTÜRK O., AZERİ Ö., BÜBER E., DANIŞMAN M. F., EREL GÖKTEPE İ., ÇIRPAN A., ASİL ALPTEKİN D., HACALOĞLU J., Yükseköğretim Kurumları Destekli Proje, Farklı makroyapılar kullanılarak iletken polimer bazlı çeşitli alkol biyosensörlerinin geliştirilmesi, 2017 - 2017

ESENTÜRK O., ÖNAL A. M., DOĞAN Ö., DANIŞMAN M. F., ASİL ALPTEKİN D., AYTEKİN Y. S., HACALOĞLU J., PERSİL ÇETİNKOL Ö., Yükseköğretim Kurumları Destekli Proje, ŞARAP KALİTE TAYİNİ İÇİN YÖNTEM GELİŞTİRME ÇALIŞMALARI, 2016 - 2016

ÖNAL A. M., Yükseköğretim Kurumları Destekli Proje, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2016

ÖNAL A. M., Yükseköğretim Kurumları Destekli Proje, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2016

ESENTÜRK O., ÖNAL A. M., DANIŞMAN M. F., HACALOĞLU J., Yükseköğretim Kurumları Destekli Proje, AKTİF FARMASÖTİK MALZEME ANALİZİ İÇİN ALTERNATİF YÖNTEM GELİŞTİRİLMESİ, 2014 - 2015

ÖNAL A. M., Yükseköğretim Kurumları Destekli Proje, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015

ÖNAL A. M., Yükseköğretim Kurumları Destekli Proje, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014

ÖNAL A. M., Yükseköğretim Kurumları Destekli Proje, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014

ÖNAL A. M., CANSU E. G., Yükseköğretim Kurumları Destekli Proje, BOR ESASLI YENİ ANORGANİK-ORGANİK MELEZ POLİMERİK MALZEMELERİN TASARIMI, SENTEZİ VE TEKNOLOJİK UYGULAMALARI, 2013 - 2013

ÖNAL A. M., OĞUZTÜRK H. E., Yükseköğretim Kurumları Destekli Proje, HETEROSİKLİK VERİCİ-ALICI-VERİCİ TİPİ KARBAZOL TÜREVİ SENTEZİ, 2013 - 2013

TOFFOLI D., ÖNAL A. M., ESENTÜRK O., DANIŞMAN M. F., HACALOĞLU J., Yükseköğretim Kurumları Destekli Proje, EGZOST GAZLARINDA BULUNAN NO_x MOLEKÜLLERİNİN İNDİRGE/DEPOLAMA DÖNGÜSÜNDE KULLANILAN KATALİZÖRLERİNİN VERİMLERİNİN ARTIRILMASI, 2013 - 2013

ÖNAL A. M., Yükseköğretim Kurumları Destekli Proje, Donor-Akseptör Niteliği Taşıyan Düşük Bant Aralıklı Yeni Polifloren Kopolimer Türevlerinin Sentezi, 2009 - 2009

Bilimsel Kuruluşlardaki Üyelikler / Görevler

International Society of Electrochemistry, Üye, 2015 - Devam Ediyor

Bilimsel Hakemlikler

POLYMER, SCI Kapsamındaki Dergi, Nisan 2019

ADVANCED OPTICAL MATERIALS, SCI Kapsamındaki Dergi, Ocak 2019

TÜBİTAK Projesi, 1005 - Ulusal Yeni Fikirler ve Ürünler Araştırma Destek Programı, Orta Doğu Teknik Üniversitesi, Türkiye, Aralık 2018
TÜBİTAK Projesi, 1002 - Hızlı Destek Programı, Orta Doğu Teknik Üniversitesi, Türkiye, Kasım 2018
Yükseköğretim Kurumları Destekli Proje, BAP Araştırma Projesi, İstanbul Teknik Üniversitesi, Türkiye, Kasım 2018
VACUUM, SCI Kapsamındaki Dergi, Ekim 2018
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, SCI Kapsamındaki Dergi, Nisan 2018
EUROPEAN POLYMER JOURNAL, SCI Kapsamındaki Dergi, Nisan 2018
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, SCI Kapsamındaki Dergi, Ocak 2018
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, SCI Kapsamındaki Dergi, Ocak 2018

Metrikler

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H-İndeks (Scopus): 23

Kongre ve Sempozyum Katılımı Faaliyetleri

The 69th Annual Meeting of the International Society of Electrochemistry, Çalışma Grubu, Bologna, İtalya, 2018
The 69th Annual Meeting of the International Society of Electrochemistry, Çalışma Grubu, Bologna, İtalya, 2018
VII. Ulusal Polimer Bilim ve Teknoloji Kongresi, Çalışma Grubu, Eskişehir, Türkiye, 2018
VII. Ulusal Polimer Bilim ve Teknoloji Kongresi, Çalışma Grubu, Eskişehir, Türkiye, 2018

Akademi Dışı Deneyim

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