Asst. Prof. ALİ CANLIER

Personal Information

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Education

Post Doctorate, Kaıst Eews, South Korea 2011 - 2013
Doctorate, Tokyo University, Research Laboratories For Nuclear Reactors, Japan 2006 - 2009
Postgraduate, Tokyo University, Research Laboratories For Nuclear Reactors, Japan 2004 - 2006
Undergraduate, Ihsan Dogramaci Bilkent University, Fen Edebiyat Fakültesi, Kimya, Turkey 1998 - 2003

Foreign Languages

English, C1 Advanced
German, B1 Intermediate
Japanese, C1 Advanced
Korean, B2 Upper Intermediate

Certificates, Courses and Trainings

Security, Yangın Önleme Amirliği, Chiba İtfaiyesi, 2010

Dissertations

Doctorate, "Studies on Molecular Structures and Reactivities of Mono- and Dioxorhenium(V) Complexes for Radiopharmaceuticals", Tokyo Üniversitesi, Research Laboratories For Nuclear Reactors, Nuclear Engineering, 2009
Postgraduate, "A Study on Molecular Structures and Reactivities of Oxorhenium(V) Complexes for Radiopharmaceuticals", Tokyo Üniversitesi, Research Laboratories For Nuclear Reactors, Nuclear Engineering, 2006

Research Areas

Chemical Engineering and Technology, Chemical Technologies, Polymer Technology, Membrane Technology, Chemistry, Physical Chemistry, Electrochemistry, Composites, Polymeric Films, Polymeric Materials, Surface Chemistry, Inorganic Chemistry, Boron Chemistry, Transition Metals, Catalysis, Coordination Chemistry, Solid-State Chemistry, Natural Sciences, Engineering and Technology

Academic Positions

Assistant Professor, Abdullah Gul University, Mühendislik Ve Doğa Bilimleri Fakültesi, Malzeme Bilimi Ve Nanoteknoloji

Mühendisliği, 2013 - Continues
Research Assistant PhD, --Seçiniz--, Kaıst Graduate School Of Eews, Eews, 2011 - 2013

Jury Memberships

Academic Staff Examination, Asistan Alımı, Abdullah Gül Üniversitesi, December, 2013
Academic Staff Examination, Uzman Alımı, Abdullah Gül Üniversitesi, December, 2013

Journal articles indexed in SCI, SSCI, and AHCI

I. **Ultra-rapid catalytic degradation of 4-nitrophenol with ionic liquid recoverable and reusable ibuprofen derived silver nanoparticles**
Hassan S. S., Carlson K., Mohanty S. K., Sirajuddin S., Canlier A.
ENVIRONMENTAL POLLUTION, vol.237, pp.731-739, 2018 (SCI-Expanded)

II. **Synthesis of L-Cysteine Capped Silver Nanoparticles in Acidic Media at Room Temperature and Detailed Characterization**
Panhwar S., Hassan S. S., Mahar R. B., Canlier A., Sirajuddin S., Arain M.
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.28, no.3, pp.863-870, 2018 (SCI-Expanded)

III. **An efficient and facile method of grafting Allyl groups to chemically resistant polyketone membranes**
Jung Y. S., Canlier A., Hwang T. S.
POLYMER, vol.141, pp.102-108, 2018 (SCI-Expanded)

IV. **Synthesis of polyketone-g-sodium styrene sulfonate cation exchange membrane via irradiation and its desalination properties**
Kim I. S., Hwang C. W., Kim Y. J., Canlier A., Jeong K. S., Hwang T. S.
MACROMOLECULAR RESEARCH, vol.25, no.11, pp.1063-1069, 2017 (SCI-Expanded)

V. **Synthesis of polyketone-g-vinylbenzyl chloride anion exchange membrane via irradiation and its properties**
Kim Y. J., Hwang C. W., Hyeon S. M., Canlier A., Hwang T. S.
MACROMOLECULAR RESEARCH, vol.25, no.9, pp.898-904, 2017 (SCI-Expanded)

VI. **Insights of CO2 adsorption performance of amine impregnated mesoporous silica (SBA-15) at wide range pressure and temperature conditions**
Ullah R., Atilhan M., Aparicio S., CANLIER A., Yavuz C. T.
INTERNATIONAL JOURNAL OF GREENHOUSE GAS CONTROL, vol.43, pp.22-32, 2015 (SCI-Expanded)

VII. **Development of highly transparent Pd-coated Ag nanowire electrode for display and catalysis applications**
Canlier A., UCAK U. V., USTA H., CHO C., LEE J., Sen U., Citir M.
APPLIED SURFACE SCIENCE, vol.350, pp.79-86, 2015 (SCI-Expanded)

VIII. **Enhancement of Anhydrous Proton Conductivity of Poly(vinylphosphonic acid)-Poly(2,5-benzimidazole) Membranes via In Situ Polymerization**
Sen U., USTA H., Acar O., Citir M., Canlier A., Bozkurt A., Ata A.
MACROMOLECULAR CHEMISTRY AND PHYSICS, vol.216, no.1, pp.106-112, 2015 (SCI-Expanded)

IX. **Highly Transparent Au-Coated Ag Nanowire Transparent Electrode with Reduction in Haze**
Kim T., Canlier A., Cho C., Rozyyev V., Lee J., Han S. M.
ACS APPLIED MATERIALS & INTERFACES, vol.6, no.16, pp.13527-13534, 2014 (SCI-Expanded)

X. **Highly Stable Nanoporous Sulfur-Bridged Covalent Organic Polymers for Carbon Dioxide Removal**
Patel H. A., Karadas F., Byun J., Park J., Deniz E., Canlier A., Jung Y., Atilhan M., Yavuz C. T.
ADVANCED FUNCTIONAL MATERIALS, vol.23, no.18, pp.2270-2276, 2013 (SCI-Expanded)

XI. **Electrostatic Spray Deposition of Highly Transparent Silver Nanowire Electrode on Flexible**

Substrate
Kim T., Canlier A., Kim G. H., Choi J., Park M., Han S. M.
ACS APPLIED MATERIALS & INTERFACES, vol.5, no.3, pp.788-794, 2013 (SCI-Expanded)

XII. **High capacity carbon dioxide adsorption by inexpensive covalent organic polymers**
Patel H. A., Karadas F., Canlier A., Park J., Deniz E., Jung Y., Atilhan M., Yavuz C. T.
JOURNAL OF MATERIALS CHEMISTRY, vol.22, no.17, pp.8431-8437, 2012 (SCI-Expanded)

XIII. **trans-Tetrakis(4-methylpyridine-kappa N)dioxidorhenium(V) hexafluoridophosphate**
Kawasaki T., Canlier A., Chowdhury S., Ikeda Y.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.66, 2010 (SCI-Expanded)

XIV. **Structural characterization, electrochemistry, and spectroelectrochemistry of trans-dioxorhenium(V) complex with 4-methoxypyridine, [ReO2(4-MeOpy)(4)]PF6, and characterization of [ReO2(4-MeOpy)(4)](2+) generated electrochemically**
Canlier A., Kawasaki T., Chowdhury S., Ikeda Y.
INORGANICA CHIMICA ACTA, vol.363, no.1, pp.1-7, 2010 (SCI-Expanded)

XV. **Molecular structures and redox properties of oxorhenium(V) '3+1' mixed ligand complexes with heterocyclic thiolates containing nitrogen**
Chowdhury S., Nogami M., Canlier A., Koshino N., Ikeda Y.
INORGANICA CHIMICA ACTA, vol.361, no.5, pp.1524-1529, 2008 (SCI-Expanded)

XVI. **Novel oxorhenium(V) '3+1' mixed ligand complexes with 3-thiapentane-1,5-dithiolate and functional mercaptobenzoyl amino acid ethyl ester**
Chowdhury S., Canlier A., Koshino N., Ikeda Y.
INORGANICA CHIMICA ACTA, vol.361, no.1, pp.145-152, 2008 (SCI-Expanded)

XVII. **Molecular structure and linkage isomerization of isothiocyanato(3-thiapentane-1,5-dithiolato)oxorhenium(V) complex**
Chowdhury S., Koshino N., Canlier A., Mizuoka K., Ikeda Y.
INORGANICA CHIMICA ACTA, vol.359, no.8, pp.2472-2478, 2006 (SCI-Expanded)

Papers Presented at Peer-Reviewed Scientific Conferences

I. **THIN FILMS OF INERT METAL NANOWIRES FOR DISPLAY APPLICATIONS**
Citir M., Sen U., USTA H., Canlier A.
6th NANOCON International Conference, Brno, Czech Republic, 5 - 07 November 2014, pp.64-76

II. **Experimental Methods for Thin Layer Coating of Metal Nanowires with Inert Metals**
ÇITIR M., CANLIER A., ŞEN Ü., USTA H.
6th NANOCON International Conference, Brno, Czech Republic, 5 - 07 November 2014, pp.1

III. **Experimental Methods for Thin Layer Coating of Metal Nanowires with Inert Metals Through Galvanic Exchange Reactions**
TAHAOĞLU D., ÇITIR M., ŞEN Ü., CANLIER A.
The 14th International Meeting on Information Display, Daegu, South Korea, 26 - 29 August 2014

Funded Projects

ÇITIR M., CANLIER A., TUBITAK Project, Ekran Uygulamaları için Bulanıklık Azaltıcı Metal Nanoteller ile Saydam ve Esnek Elektrot Dizaynı, 2013 - Continues
CANLIER A., Çetin A. Ö., HASSAN S. S., Project Supported by Higher Education Institutions, Bor Oksitle Bağlı Gözenekli Polimerler ile Karbondioksit Yakalama, 2015 - 2017

Metrics

Publication: 20
Citation (WoS): 557
Citation (Scopus): 483
H-Index (WoS): 8
H-Index (Scopus): 7

Non Academic Experience

Business Organization (private), Nifco Inc.
Business Organization (private), Nagaiki Kenkyujo