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Personal Information

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Education Information

Doctorate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), Turkey 2012 - 2015

Post Graduate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Yl) (Tezli), Turkey 2011 - 2012

Under Graduate, Islamic Azad University, Mahshahr Üniversitesi, Polymer Engineering, Iran 2004 - 2008

Foreign Languages

English, C2 Proficiency

Dissertations

Doctorate, Biobased/biodegradable/compostable/antibacterial polymeric mulching and food packaging films, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), 2015

Post Graduate, Termoplastik nişasta sentezi ve film oluşturma özelliklerinin araştırılması, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Yl) (Tezli), 2012

Research Areas

Bioengineering and MEMS, Biochemical Reaction Engineering, Biomedical Engineering, Polymer Technology, Energy, Material science and engineering

Academic Titles / Tasks

Assistant Professor, Ankara Yıldırım Beyazıt University, Mühendislik Ve Doğa Bilimleri Fakültesi, Kimya Mühendisliği, 2017 - Continues

Courses

Particulate Technology: Micro/nanoparticles for Sustainable Energy Production, Doctorate, 2017 - 2018

GENERAL CHEMISTRY, Under Graduate, 2017 - 2018

Advising Theses

SALİMİ K., Poli (bütilenadipat-ko-tereftalat) (PBAT) esaslı biyobozunur köpük materyallerin sentezi, karakterizasyonu ve bozunurluğu, Post Graduate, A.KUBAN(Student), 2019

Salimi K., Plasmonic tio₂ composites for dye-sensitized solar cells applications, Post Graduate, H.YILDIRIM(Student), 2019

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

- I. **β -Ga₂O₃ nanoflakes/p-Si heterojunction self-powered photodiodes**
Atılğan A., Yıldız A., Harmancı U., Gulluoğlu M., Salimi K.
Materials Today Communications, vol.24, 2020 (Journal Indexed in SCI Expanded)
- II. **Plasmonic mesoporous core-shell Ag-Au@TiO₂ photoanodes for efficient light harvesting in dye sensitized solar cells**
Salimi K., ATILGAN A., AYDIN M. Y. , Yildirim H., ÇELEBİ N., YILDIZ A.
Solar Energy, vol.193, pp.820-827, 2019 (Journal Indexed in SCI Expanded)
- III. **Development, characterization and research of efficacy on in vitro cell culture of glucosamine carrying hyaluronic acid nanoparticles**
Sahin S., BİLGİÇ E., Salimi K., Tuncel A., KARAOSMANOĞLU B., Taskiran E. Z. , KORKUSUZ P., KORKUSUZ F.
Journal of Drug Delivery Science and Technology, vol.52, pp.393-402, 2019 (Journal Indexed in SCI Expanded)
- IV. **Ti (IV) attached-phosphonic acid functionalized capillary monolith as a stationary phase for in-syringe-type fast and robust enrichment of phosphopeptides**
Salimi K., Kip C., ÇELİKBIÇAK Ö., YILMAZ USTA D., PINAR A., SALİH B., Tuncel A.
Biomedical Chromatography, vol.33, no.6, 2019 (Journal Indexed in SCI Expanded)

Articles Published in Other Journals

- I. **Plasmonic Zr-Based Metal–Organic Frameworks for Accelerated De-Colorization of Methylene Blue Under LED Light Irradiation**
SALİMİ K.
Hacettepe Journal of Biology and Chemistry, vol.47, no.4, pp.339-346, 2019 (Other Refereed National Journals)

Books & Book Chapters

- I. **Magnetic Iron Oxide Nanoparticles: Synthesis, Surface Functionalization, and Applications**
Salimi K., Usta Salimi D. D. , Tuncel S. A.
in: Particulate Technology and Applications, Ali Tuncel & Handan Yavuz, Editor, Hacettepe University, Ankara, pp.99-123, 2019
- II. **Multifunctional Colloidal Complexing Nanocomposites and Nanofibers as Effective Bio- and Electro-Active Platforms**
Rzayev Z., Salimi K., Şimşek M., Bunyatova U.
in: Particulate Technology and Applications, Ali Tuncel & Handan Yavuz, Editor, Hacettepe University, Ankara, pp.125-171, 2019
- III. **Biodegradable Micro/nanoparticles: Preparation Techniques, Characterization, and Applications**
Salimi K., Tuncel S. A.
in: Particulate Technology and Applications, Ali Tuncel & Handan Yavuz, Editor, Hacettepe University, Ankara, pp.77-98, 2019

Refereed Congress / Symposium Publications in Proceedings

- I. **Novel Inorganic ZnO Photocatalysts for Decolorization of Organic Pollutants**
SALİMİ K., AYDIN M. Y. , ÇELEBİ N., Şahin E.
5th International Conference on Engineering Sciences, 19 September 2019
- II. **Fabrication of Fully Air-Processed Carbon-based Perovskite Solar Cells**
Karaman M., ALTINKAYA C., SALİMİ K., YILDIZ A.
5th International Conference on Engineering Sciences, 19 September 2019
- III. **Fabrication of Plasmonic Core-shell Nanostructures for Potential Photothermal Cancer Therapy Applications**
USTA SALIMI D. D. , SOYSAL F., SALİMİ K., ÇELEBİ N., YILDIZ N.
5th International Conference on Engineering Sciences, 19 September 2019
- IV. **Photocatalytic Applications of Zirconium Based Metal Organic Frameworks**
SALİMİ K., AYDIN M. Y. , ÇELEBİ N., Aydın Z.
5th International Conference on Engineering Sciences, 19 September 2019
- V. **Photothermal performance of Bio-inspired Au@PDOP Nanocomposites**
USTA SALIMI D. D. , SOYSAL F., ÇELEBİ N., SALİMİ K., YILDIZ N.
5th International Conference on Engineering Sciences, 19 September 2019
- VI. **Fabrication of Low-temperature SnO₂ Planar Electron Transport Layer for Carbon-based Perovskite Solar Cells**
ALTINKAYA C., Karaman M., SALİMİ K., YILDIZ A.
5th International Conference on Engineering Sciences, Ankara, Turkey, 19 September 2019
- VII. **Organic Dye Degradation Performance of Plasmonically Enhanced Au@TiO₂ Photocatalyst under LED Light Irradiation**
AYDIN M. Y. , SALİMİ K., ÇELEBİ N.
5th International Conference on Engineering Sciences, 19 September 2019
- VIII. **Fabrication of Compact Carbon Electrode for Carbon-based Perovskite Solar Cells**
ALTINKAYA C., ATILGAN A., SALİMİ K., YILDIZ A.
INTERNATIONAL CONFERENCE ON CHEMICAL PHYSICS AND MATERIALS SCIENCE, 8 - 10 July 2019
- IX. **Fabrication of Compact Carbon Electrode for Carbon-based Perovskite Solar Cells**
ALTINKAYA C., ATILGAN A., SALİMİ K., YILDIZ A.
INTERNATIONAL CONFERENCE ON CHEMICAL PHYSICS AND MATERIALS SCIENCE, İstanbul, Turkey, 8 - 10 July 2019
- X. **NOVEL PLASMONIC TiO₂ PHOTOANODES FOR LIGHT HARVESTING IN DYE SENSITIZED SOLAR CELLS**
Yıldırım H., ATILGAN A., AYDIN M. Y. , ATLI A., ALTINKAYA C., ÇELEBİ N., YILDIZ A., SALİMİ K.
VILULUSAL ANORGANİK KİMYA KONGRESİ, 19 - 22 June 2019
- XI. **Kondroitin sülfat (CS) ve glikozamin (GAG) bağlı hyaluronik asit (HA) nanopartiküller (CS-GAGNHA) osteoartritli diz eklemini iyileştirir mi?: Yeni bir enjekte edilebilir doku mühendisliği yaklaşımı**
Şahin Ş., SALİMİ K., Köse S., BİLGİÇ E., TUNCEL S. A. , KORKUSUZ P., KORKUSUZ F.
27. Ulusal Türk Ortopedi ve Travmatoloji Kongresi, Turkey, 24 - 29 October 2017
- XII. **A new microfluidic extraction system equipped with a multiple feeding system for human genomic DNA (hg-DNA) isolation from whole-blood.**
USTA SALIMI D. D. , Öğüt E., KİP F. Ç. , SALİMİ K., Günel Karataş G., TUNCEL S. A.
International Porous and Powder Materials Symposium and Exhibition, 12 - 15 September 2017
- XIII. **Determination of Glycated Haemoglobin in Haemolysate of Human Red Blood Cells by a Boronate Affinity Assisted SERS Tag.**
USTA SALIMI D. D. , SALİMİ K., TEKİNAY T., TUNCEL S. A.
HPLC 2016, 19 - 24 June 2016
- XIV. **Polydopamine Coated, Magnetic Monodisperse-porous Silica Microspheres as a Stationary Phase for Protein Separation by Immobilized Metal Affinity Chromatography (IMAC).**
USTA SALIMI D. D. , KİP F. Ç. , SALİMİ K., Çelikkaya B., TUNCEL S. A.
HPLC 2016, 19 - 24 June 2016
- XV. **Batch and Microfluidic Isolation of Diol Carrying Biomolecules by a Boronate Affinity Sorbent Based**

on Monodisperse-porous Microspheres

KİP F. Ç. , USTA SALIMI D. D. , SALİMİ K., Gulusur H., TUNCEL S. A.

HPLC 2016, 19 - 24 June 2016

- XVI. **A New Magnetic-silica Based Sorbent for Isolation of Green Fluorescent Protein by Immobilized Metal Affinity Chromatography.**
USTA SALIMI D. D. , SALİMİ K., KOÇER İ., ÇELİK AKDUR E., TUNCEL S. A.
HPLC 2016, 19 - 24 June 2016
- XVII. **Sialic Acid Isolation by Microfluidic Boronate Affinity Chromatography**
KİP F. Ç. , USTA SALIMI D. D. , SALİMİ K., TEKİNAY T., TUNCEL S. A.
HPLC 2016, 19 - 24 June 2016
- XVIII. **Magnetic-monodisperse Silica Microspheres for Human Genomic DNA Microextraction in-batch Fashion.**
Günel G., Öğüt E., USTA SALIMI D. D. , SALİMİ K., KİP F. Ç. , TUNCEL S. A.
HPLC 2016, 19 - 24 June 2016
- XIX. **Phosphopeptide Enrichment using Ti4 Attached Monodisperse-porous Poly(phosphonic Acid) based Microspheres**
SALİMİ K., USTA SALIMI D. D. , ÇELİKBIÇAK Ö., SALİH B., TUNCEL S. A.
HPLC 2016, 19 - 24 June 2016
- XX. **Multifunctional PVA/ODA-MMT-poly(MA-alt-1-octadecene)-g-graphene oxide e-spun nanofiber semiconductors and their response to bone cancer cells**
Rzayev Z. M. O. , Bunyatova U., SALİMİ K., Salamov B., KOÇUM İ. C.
Proceeding of Advanced Materials World Congress, 23 - 26 August 2015
- XXI. **Fabrication of Starch-g-PLA Copolymers in Supercritical Carbon Dioxide Medium**
SALİMİ K., YILMAZ M., Rzayev Z. M. O. , Pişkin E.
Biodegradable Materials, 25 April 2015
- XXII. **Using of Different Clays as Catalyst-nanofillers in Interlamellar Graft Copolymerization of L-lactic acid onto Poly(MA-alt-1-octadecene)**
SALİMİ K., Rzayev Z. M. O. , Pişkin E.
BIOMED 2014, 24 - 27 August 2014
- XXIII. **Nanofabrication and Characterization of Poly(MA-alt-1 octadecene)-g-PLA Layered Silicate Nanocomposites**
SALİMİ K., Rzayev Z. M. O. , Pişkin E.
BIOMED 2014, 24 - 27 August 2014
- XXIV. **Effect of High Shear Mixing on the Thermal Behavior of Starch-g-PLA Blends**
SALİMİ K., EĞRİ S., Pişkin E.
BIOMED 2014, 24 - 27 August 2014
- XXV. **Nanofabrication and Characterization of Novel Nanoporous Nanofibers from Biodegradable Polymers/Organoclay and Amphiphilic Copolymer-g-PLA/Organoclay Nanocomposites as Matrix-Partner Polymer Blends by Electrospinning**
Rzayev Z. M. O. , Pişkin E., ŞİMŞEK M., SALİMİ K.
3rd International PLASTICE Conference, 1 - 02 October 2013
- XXVI. **Nanofabrication and Characterization of Poly(MA-alt-1-octadecene)-g-PLA Layered Silicate Nanocomposites with Nanoporous and Core-Shell Morphology**
SALİMİ K., Rzayev Z. M. O. , Pişkin E.
Nanoscience and Nanotechnology Conference, 24 - 28 June 2013
- XXVII. **The Catalyst-Assisted Two-Stage Synthesis of Poly(glycerol-c sebacate-co-ε-caprolactone) Elastomers as Potential Subacromial Adhesion Barriers in Rotator Cuff Repair**
AYDIN H. M. , SALİMİ K., YILMAZ M., TÜRK M., Rzayev Z. M. O. , Pişkin E.
termis-eu 2013, 17 - 20 June 2013
- XXVIII. **Biobased/Biodegradable/Compostable Polymers/Blends/Nanocomposites for Packaging and Agro-based Uses**

Piřkin E., YAVUZ ERSAN H., EĐRİ S., SALİMİ K., EĐRİ Ö., Moghtader F., Rzayev Z. M. O.

13TH INTERNATIONAL SYMPOSIUM ON NATURAL PRODUCT CHEMISTRY, 22 - 25 September 2012

XXIX. Interlamellar catalytic graft copolymerization of L-lactic acid onto poly(maleic anhydride-alt-1-octadecene)

SALİMİ K., İsmayilova S., Rzayev Z. M. O. , Piřkin E.

8th Nanoscience and Nanotechnology Congress, 25 - 29 June 2012

XXX. Development of Biobased/Biodegradable/Compostable Nanocomposite Mulching Films

Piřkin E., Ekinci Y., YAVUZ ERSAN H., EĐRİ S., Tezcan G., SALİMİ K., EĐRİ Ö., Rzayev Z. M. O. , İsmailova S., Moghtader F.

PLASTiCE International Launch Conference, 24 - 25 October 2011

Supported Projects

Çelebi N., Salimi K., TUBITAK Project, Plazmonik Au-ZnO-C Nanoyapıların Eldesi Ve Yeni Nesil Perovskit Güneř Hücrelerine Uygulanması, 2019 - 2021

Çelebi N., Soysal F., Salimi K., Project Supported by Higher Education Institutions, Plazmonik Oyuk TiO2 Üretilmesi ve Boya Duyarlı Güneř Hücrelerinde Uygulanması, 2019 - 2020

SALİMİ K., Project Supported by Higher Education Institutions, Yüzey Zenginleřtirilmiř Raman Spektroskopisi (SERS) için Nano-etiketlerin Sentezi ve Karakterizasyonu, 2018 - 2019

Çelebi N., Salimi K., Aydın M. Y. , Project Supported by Higher Education Institutions, Farklı Morfolojilere Sahip inorganik mikro/nano Partiküllerin Sentezi ve Karakterizasyonu, 2018 - 2019

Citations

Total Citations (WOS):1

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