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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAQ-4993-2020

ScopusID: 54967270400

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Education Information

Post Doctorate, Aalborg Universitet (Aalborg University), The Faculty Of Engineering And Science, Department Of Chemistry And Bioscience, Denmark 2018 - 2019

Doctorate, Karadeniz Technical University, Fen Bilimleri, Kimya, Turkey 2007 - 2014

Undergraduate, Karadeniz Technical University, Orta Öğretim Fen-Matematik Alanları Eğitimi, Kimya Eğitimi, Turkey 2002 - 2007

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Genleştirilmiş Polistiren Atığının TiO₂ ile Modifikasyonu ve Çeşitli Kirletici Türlerinin Gideriminde Kullanılabilirliğinin Araştırılması, Karadeniz Technical University, -, Kimya, 2014

Research Areas

Environmental Engineering, Environmental Sciences, Environmental Chemistry, Metallurgical and Materials Engineering, Material science and engineering, Nanomaterials, Chemistry, Analytical Chemistry, Spectroscopical Methods, Surface Analysis, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Professor, Karadeniz Technical University, Fen Fakültesi, Kimya, 2023 - Continues

Associate Professor, Karadeniz Technical University, Fen Fakültesi, Kimya, 2017 - Continues

Lecturer PhD, Karadeniz Technical University, Fen Fakültesi, Kimya, 2016 - 2017

Courses

Atomik ve Moleküler Spektroskopi, Postgraduate, 2024 - 2025
Nanomateriyallerin Karakterizasyon Teknikleri, Doctorate, 2023 - 2024
Analitik Kimya laboratuvarı, Undergraduate, 2023 - 2024
Analitik Kimya, Undergraduate, 2022 - 2023
Analitik Kimya, Undergraduate, 2022 - 2023
Temel Kimya, Undergraduate, 2019 - 2020
Fundamentals of Photocatalysis and Applications, Doctorate, 2018 - 2019
Temel Kimya, Undergraduate, 2018 - 2019
Elektroanalitik Yöntemler, Undergraduate, 2018 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Perovskite Type B-CaTiO₃ Coupled with Graphene Oxide as Efficient Bifunctional Composites for Environmental Remediation**
ALTIN İ.
PROCESSES, vol.11, no.11, 2023 (SCI-Expanded)
- II. **Facilely Synthesized Cobalt Doped TiO₂ Graphene Oxide Nanocomposite as an Advanced Photocatalyst Material for Degradation of Methylene Blue**
ALTIN İ.
CHEMISTRYSELECT, vol.8, no.37, 2023 (SCI-Expanded)
- III. **Molybdenum Modified Sol-Gel Synthesized TiO₂ for the Photocatalytic Degradation of Carbamazepine under UV Irradiation**
Anucha C. B., BACAŞIZ E., Stathopoulos V. N., Pandis P. K., Argirusis C., Andreouli C., Tatoudi Z., ALTIN İ.
PROCESSES, vol.10, no.6, 2022 (SCI-Expanded)
- IV. **Preparation and Characterization of Supported Molybdenum Doped TiO₂ on α -Al₂O₃ Ceramic Substrate for the Photocatalytic Degradation of Ibuprofen (IBU) under UV Irradiation**
Anucha C. B., BACAŞIZ E., Stathopoulos V. N., Pandis P. K., Argirusis C., Andreouli C., Tatoudi Z., ALTIN İ.
Catalysts, vol.12, no.5, 2022 (SCI-Expanded)
- V. **CuO-TiO₂/graphene ternary nanocomposite for highly efficient visible-light-driven photocatalytic degradation of bisphenol A**
ALTIN İ.
JOURNAL OF MOLECULAR STRUCTURE, vol.1252, 2022 (SCI-Expanded)
- VI. **Silver Doped Zinc Stannate (Ag-ZnSnO₃) for the Photocatalytic Degradation of Caffeine under UV Irradiation**
Anucha C. B., Altin İ., BACAŞIZ E., Stathopoulos V. N., POLAT İ., YAŞAR A., Yüksel Ö. F.
WATER, vol.13, no.9, 2021 (SCI-Expanded)
- VII. **Enhanced Photocatalytic Activity of CuWO₄ Doped TiO₂ Photocatalyst Towards Carbamazepine Removal under UV Irradiation**
Anucha C. B., ALTIN İ., BACAŞIZ E., KÜÇÜKÖMEROĞLU T., Belay M. H., Stathopoulos V. N.
SEPARATIONS, vol.8, no.3, 2021 (SCI-Expanded)
- VIII. **Immobilized TiO₂/ZnO Sensitized Copper (II) Phthalocyanine Heterostructure for the Degradation of Ibuprofen under UV Irradiation**
BethelAnucha C., Altin İ., BACAŞIZ E., DEĞİRMENCİOĞLU İ., KÜÇÜKÖMEROĞLU T., Yılmaz S., Stathopoulos V. N.
SEPARATIONS, vol.8, no.3, 2021 (SCI-Expanded)
- IX. **Hydrothermal preparation of B-TiO₂-graphene oxide ternary nanocomposite, characterization and**

photocatalytic degradation of bisphenol A under simulated solar irradiation

ALTIN İ., Ma X., Boffa V., BACAŞIZ E., Magnacca G.

MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.123, 2021 (SCI-Expanded)

- X. **Synthesis and characterization of B/NaF and silicon phthalocyanine-modified TiO₂ and an evaluation of their photocatalytic removal of carbamazepine**
Anucha C. B., Altin İ., Fabbri D., Değirmenciöğlü İ., Calza P., Magnacca G., Stathopoulos V. N., Bacaksız E.
Separations, vol.7, no.4, pp.1-20, 2020 (SCI-Expanded)
- XI. **Synthesis, Characterization, and Photocatalytic Evaluation of Manganese (III) Phthalocyanine Sensitized ZnWO₄ (ZnWO₄MnPc) for Bisphenol A Degradation under UV Irradiation**
Anucha C. B., Altin İ., Bıyıklıoğlu Z., Bacaksız E., Polat İ., Stathopoulos V. N.
NANOMATERIALS, vol.10, no.11, 2020 (SCI-Expanded)
- XII. **The effect of microporous vanadosilicate AM-6 thin films as photocatalysts for the degradation of methylene blue**
Kuzyaka D., Galioglu S., ALTIN İ., Sökmen M., Akata B.
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.366, pp.127-135, 2018 (SCI-Expanded)
- XIII. **Use of azomethine-bridged phenolic metallophthalocyanines for sensitization of TiO₂**
KOC M., ALBAY C., ALTIN İ., Bayrak R., Gokce H., DEĞİRMENCİOĞLU İ., SOKMEN M.
DESALINATION AND WATER TREATMENT, vol.59, pp.191-201, 2017 (SCI-Expanded)
- XIV. **Preparation of phthalocyanine/TiO₂ nanocomposites for photocatalytic removal of toxic Cr(VI) ions**
Bayrak R., ALBAY C., KOC M., ALTIN İ., DEĞİRMENCİOĞLU İ., SOKMEN M.
PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, vol.102, pp.294-302, 2016 (SCI-Expanded)
- XV. **Quaternized zinc(II) phthalocyanine-sensitized TiO₂: surfactant-modified sol-gel synthesis, characterization and photocatalytic applications**
ALTIN İ., Sokmen M., BIYIKLIOĞLU Z.
DESALINATION AND WATER TREATMENT, vol.57, no.34, pp.16196-16207, 2016 (SCI-Expanded)
- XVI. **New dye sensitized photocatalysts: Copper(II)-phthalocyanine/TiO₂ nanocomposite for water remediation**
ALBAY C., KOC M., ALTIN İ., Bayrak R., DEĞİRMENCİOĞLU İ., SOKMEN M.
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.324, pp.117-125, 2016 (SCI-Expanded)
- XVII. **Sol gel synthesis of cobalt doped TiO₂ and its dye sensitization for efficient pollutant removal**
ALTIN İ., Sokmen M., BIYIKLIOĞLU Z.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.45, pp.36-44, 2016 (SCI-Expanded)
- XVIII. **Preparation of Phthalocyanine /TiO₂ nanocomposites for Photocatalytic Removal of Toxic Cr(VI) ions**
Bayrak R., Albay C., Koç M., ALTIN İ., DEĞİRMENCİOĞLU İ., SÖKMEN M.
PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, vol.102, pp.294-302, 2016 (SCI-Expanded)
- XIX. **TiO₂ immobilized PCL for photocatalytic removal of hexavalent chromium from water**
Akkan S., ALTIN İ., Koc M., Sokmen M.
DESALINATION AND WATER TREATMENT, vol.56, no.9, pp.2522-2531, 2015 (SCI-Expanded)
- XX. **Buoyant Photocatalyst Based on ZnO Immobilized on Polystyrene Beads for Pollutants Treatment**
ALTIN İ., Sokmen M.
CLEAN-SOIL AIR WATER, vol.43, no.7, pp.1025-1030, 2015 (SCI-Expanded)
- XXI. **The influence of Cu-doping on structural, optical and photocatalytic properties of ZnO nanorods**
Polat İ., Yılmaz S., Altin İ., BACAŞIZ E., Sökmen M.
MATERIALS CHEMISTRY AND PHYSICS, vol.148, no.3, pp.528-532, 2014 (SCI-Expanded)
- XXII. **Photocatalytic Properties of Silver Incorporated Titania Nanoparticles Immobilized on Waste-Derived Polystyrene**
ALTIN İ., Sokmen M.
WATER AIR AND SOIL POLLUTION, vol.225, no.1, 2014 (SCI-Expanded)
- XXIII. **Preparation of TiO₂-polystyrene photocatalyst from waste material and its usability for removal of various pollutants**

- ALTIN İ., Sokmen M.
APPLIED CATALYSIS B-ENVIRONMENTAL, vol.144, pp.694-701, 2014 (SCI-Expanded)
- XXIV. **TiO₂ Immobilized Biodegradable Polymer for Photocatalytic Removal of Chlorophenol**
SIVLİM T., AKKAN S., ALTIN İ., KOC M., Sokmen M.
WATER AIR AND SOIL POLLUTION, vol.223, no.7, pp.3955-3964, 2012 (SCI-Expanded)
- XXV. **A short literature survey on iron and cobalt ion doped TiO₂ thin films and photocatalytic activity of these films against fungi**
Tatlıdıl İ., BACAĞSIZ E., BURUK C. K., Breen C., Sokmen M.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.517, pp.80-86, 2012 (SCI-Expanded)
- XXVI. **ZnO and ZnS microrods coated on glass and photocatalytic activity**
Altın İ., POLAT İ., BACAĞSIZ E., Sokmen M.
APPLIED SURFACE SCIENCE, vol.258, no.11, pp.4861-4865, 2012 (SCI-Expanded)
- XXVII. **TiO₂ immobilized biodegradable polymer for photocatalytic removal of Chlorophenol**
Sivlim T., Akkan Ş., ALTIN İ., SÖKMEN M.
Water, Air, WATER AIR AND SOIL POLLUTION, vol.223, pp.3955-3964, 2012 (SCI-Expanded)
- XXVIII. **Degradation of Candida albicans on TiO₂ and Ag-TiO₂ thin films prepared by sol-gel and nanosuspensions**
Tatlıdıl İ., Sokmen M., Breen C., Clegg F., Buruk C. K., BACAĞSIZ E.
JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.60, no.1, pp.23-32, 2011 (SCI-Expanded)
- XXIX. **A new nano-TiO₂ immobilized biodegradable polymer with self-cleaning properties**
Sokmen M., TATLIDIL İ., Breen C., Clegg F., BURUK C. K., SIVLİM T., AKKAN S.
JOURNAL OF HAZARDOUS MATERIALS, vol.187, pp.199-205, 2011 (SCI-Expanded)

Articles Published in Other Journals

- I. **Bi Doped TiO₂ as a Photocatalyst for Enhanced Photocatalytic Activity**
Tatlıdıl Altın İ.
Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.27, no.3, pp.660-669, 2023 (Peer-Reviewed Journal)
- II. **Titanium dioxide (TiO₂)-based photocatalyst materials activity enhancement for contaminants of emerging concern (CECs) degradation: In the light of modification strategies**
Anucha C. B., Altın İ., Bacaksız E., Stathopoulos V. N.
CHEMICAL ENGINEERING JOURNAL ADVANCES, vol.10, 2022 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Synthesis of calcium oxide modified Ag-SrTiO₃ catalyst from eggshell waste and its application in dye photodegradation**
Koshki P., Yılmaz D., Altın İ.
6th International Environmental Chemistry Congress (EnviroChem), Trabzon, Turkey, 5 - 08 November 2024, pp.1
- II. **Preparation of flower like Bi₂WO₆-ZnO/GO nanocomposite with improved photocatalytic performance under visible light irradiation**
Altın İ.
6th International Environmental Chemistry Congress (EnviroChem), Trabzon, Turkey, 5 - 08 November 2024, pp.1
- III. **Synthesis and photocatalytic application of MoS₂-based nanocomposites for the reduction of hexavalent chromium in water**
Ahmed S., Dağışar H., Altın İ.
6th International Environmental Chemistry Congress (EnviroChem), Trabzon, Turkey, 5 - 08 November 2024, pp.1
- IV. **Atık türevli grafit-MoS₂ nanokompozit malzemesinin sentezi, karakterizasyonu ve Cr(VI) gideriminde kullanılması**

- Ahmed S., Altın İ.
VI. Eser Analiz Kongresi, Manisa, Turkey, 5 - 09 September 2024, pp.1
- V. **Atık yumurta kabuğundan sentezlenen kalsiyum oksit ile modifiye SrTiO₃ katalizörünün sentezi ve Cr(VI) gideriminde kullanılması**
Koshki P., Altın İ.
VI. Eser Analiz Kongresi, Manisa, Turkey, 5 - 09 September 2024, pp.1
- VI. **Photocatalytic activity of phthalocyanine-sensitized ZnO nanoparticles irradiated by visible light**
Altın İ.
3. International Istanbul Current Scientific Congress, İstanbul, Turkey, 8 - 09 September 2023, pp.199-200
- VII. **Photocatalytic degradation of methylene blue over cobalt-doped TiO₂ loaded on graphene oxide**
Altın İ.
EURO ASIA 7th. International Congress on Applied Sciences, Trabzon, Turkey, 21 - 22 August 2020, pp.371-372
- VIII. **Removal of Candida albicans over TiO₂ suspensions and thin film coated surface**
ALTIN İ., Breen C., BURUK C. K., BACAĞSIZ E., Sivlim T., SÖKMEN M.
International Conference on Semiconductor Photochemistry, SP-3, 4-11 April 2010, United Kingdom, pp.10
- IX. **Bazı sentetik doğal bileşiklerin antioksidant aktiviteleri**
SÖKMEN M., ALTIN İ., Khan A., Akyüz E.
XXIII. Ulusal Kimya Kongresi, Cumhuriyet Üniversitesi, 16-20 Haziran 2009, Sivas, Turkey, pp.1
- X. **TiO₂'in fotoduyarlılığını arttırmak için ftalosiyanınların kullanımı**
Koç M., Albay C., ALTIN İ., Bayrak R., DEĞİRMENCİOĞLU İ., SÖKMEN M.
7. Ulusal Analitik Kimya Kongresi, 1-5 Eylül 2014, Kahramanmaraş, Turkey, pp.1
- XI. **Photocatalytic inactivation of Staphylococcus aureus in water using TiO₂ modified with Nickel phthalocyanine**
ALTIN İ., Albay C., Koç M., Bayrak R., DEĞİRMENCİOĞLU İ., SÖKMEN M.
7th Black Sea Basin Conference on analytical Chemistry, 10-15 September 2015, Bulgaria, pp.10
- XII. **Silicium phthalocyanine sensitized TiO₂ nanomaterials**
ALTIN İ., BIYIKLIOĞLU Z., SÖKMEN M.
7th Black Sea Basin Conference on analytical Chemistry, 10-15 September 2015, Bulgaria, pp.1
- XIII. **Novel TiO₂ photocatalyst modified with peripheral and non-peripheral substituted copper (II) phthalocyanines: Photocatalytic reduction and disinfection properties**
SÖKMEN M., Albay C., Koç M., ALTIN İ., DEĞİRMENCİOĞLU İ., Bayrak R.
The 5th International conference on semiconductor photochemistry, 27-31 July 2015, Russia, pp.1
- XIV. **Photocatalytic reduction of hexavalent chromium with TiO₂ immobilized on expanded polystyrene Beads**
ALTIN İ., SÖKMEN M.
8 th Aegean Analytical Chemistry Days, İzmir Yüksek teknoloji Enstitüsü, 16-20 September 2012, İzmir, Turkey, pp.1
- XV. **ZnO and ZnS microrods coated on glass and photocataytic activity**
ALTIN İ., POLAT İ., BACAĞSIZ E., SÖKMEN M.
7th Nanoscience and Nanotechnology Conference, Sabancı Üniversitesi, 27 June-01 July 2011, İstanbul, Turkey, pp.1
- XVI. **ZnO ile Katkılandırılmış TiO₂ Nanotaneciklerin Genleştirilmiş Polistirene Yüklenmesi ve Fotokatalitik Aktivitesinin İncelenmesi**
ALTIN İ., Albay C., Koç M., SÖKMEN M.
7. Ulusal Analitik Kimya Kongresi, 1-5 Eylül 2014, Kahramanmaraş, Turkey, pp.1
- XVII. **Kendi Kendini Temizleme Özelliğine Sahip Titanyum Dioksit İnce Filmlerinin Çeşitli Materyaller Üzerine Kaplanması**
SÖKMEN M., BURUK C. K., ALTIN İ., BACAĞSIZ E.
IOPT's İleri Oksidasyon Teknolojileri Çalıştayı, Boğaziçi Üniversitesi, 7-8 Kasım 2008, İstanbul, Turkey, pp.1
- XVIII. **TiO₂ nano-particle immobilized polymeric material and photocatalytic activity**
SÖKMEN M., ALTIN İ., Sivlim T., Akkan Ş.

- 7th Nanoscience and Nanotechnology Conference, Sabancı Üniversitesi, 27 June-01 July 2011, İstanbul, Turkey, pp.1
- XIX. **Structural, Optical and Photocatalytic Properties of Cu-ZnO and ZnO Nanorods**
ALTIN İ., Yılmaz S., POLAT İ., BACAKSIZ E., SÖKMEN M.
10th Nanoscience and Nanotechnology Conference, 17 June-21 June 2014, Yeditepe Üniversitesi, İstanbul, Turkey, pp.1
- XX. **Photoreduction of Cr(VI) in Aqueous Suspension Using Cu Phthalocyanine Modified Titanium Dioxide Nanoparticles**
ALTIN İ., Albay C., DEĞİRMENCİOĞLU İ., Bayrak R., Koç M., SÖKMEN M.
10th Nanoscience and Nanotechnology Conference, 17 June-21 June 2014, Yeditepe Üniversitesi, İstanbul, Turkey, pp.1
- XXI. **Degradation of chlorophenols by advanced oxidation methods**
Kartal Temel N., SÖKMEN M., ALTIN İ., Sivlim T., Akkan Ş.
5. Black Sea Basin Conference on Analytical Chemistry, 23-26 Eylül 2009, Ordu, Turkey, pp.1
- XXII. **Titanyum Dioksit İnce film kaplı kendi kendini temizleyen malzemeler**
SÖKMEN M., BACAKSIZ E., BURUK C. K., ALTIN İ., Sivlim T., Akkan Ş.
XXIII. Ulusal Kimya Kongresi, Cumhuriyet Üniversitesi, 16-20 Haziran 2009, Sivas, Turkey, pp.1
- XXIII. **Atık polistirenin metilen mavisinin gideriminde kullanılması**
ALTIN İ., SÖKMEN M.
VI. Ulusal Analitik Kimya Kongresi, 3-7 Eylül 2012, Mustafa Kemal Üniversitesi, Hatay, Turkey, pp.1
- XXIV. **Preparation and antibacterial properties of silver and cobalt loaded nano TiO₂ particles**
Yılmaz H., Atal S., Koç M., Serdaroğlu V., ALTIN İ., BURUK C. K., SÖKMEN M.
7th Nanoscience and Nanotechnology Conference, Sabancı Üniversitesi, 27 June-01 July 2011, İstanbul, Turkey, pp.1
- XXV. **Photocatalytic removal of toxic Cr (VI) with phthalocyanine immobilized TiO₂**
Koç M., Albay C., ALTIN İ., Bayrak R., DEĞİRMENCİOĞLU İ., SÖKMEN M.
Turkish Journal of Occupational/Environmental Medicine and Safety, Ankara, Turkey, vol.1, pp.1
- XXVI. **TiO₂ Nano-Particle Immobilized polymeric material and photocatalytic activity**
SÖKMEN M., Breen C., ALTIN İ., BACAKSIZ E., BURUK C. K.
International Conference on Semiconductor Photochemistry, 4-11 April 2010, United Kingdom, pp.1
- XXVII. **The photocatalytic removal of Escherichia coli and Aspergillus niger from water**
ALTIN İ., Koç M., SÖKMEN M.
6th Black Sea Basin Conference on Analytical Chemistry, 10-14 September 2013, Trabzon, Turkey, pp.1
- XXVIII. **Enhanced photocatalytic degradation of 4-chlorophenol in the presence of a new photocatalyst material**
ALTIN İ., Albay C., Koç M., Bayrak R., DEĞİRMENCİOĞLU İ., SÖKMEN M.
7th Black Sea Basin Conference on analytical Chemistry, 10-15 September 2015, Bulgaria, pp.1
- XXIX. **Synthesis of TiO₂ coated self-cleaning materials**
SÖKMEN M., ALTIN İ., Breen C., BACAKSIZ E., BURUK C. K.
7th Nanoscience and Nanotechnology Conference, Sabancı Üniversitesi, 27 June-01 July 2011, İstanbul, Turkey, pp.1
- XXX. **Development of Photocatalytic TiO₂ Washcoats Over Porous γ -Al₂O₃ Substrates**
Bethel C. A., ALTIN İ., Pandis P. K., Stathopoulos V. N., Georgiopoulos I., Tatoudi Z., Argirusis C., BACAKSIZ E.
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- XXXI. **Photocatalytic degradation of bisphenol A under visible light over graphene oxide based heterojunction CuO-TiO₂ composite catalysts**
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- XXXII. **Ceramic Paste Preparation and Suspension Wash Coats Formulation for Disc Shaped γ -Al₂O₃**

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XXXIII. Synthesis, characterization, and photocatalytic tests of novel photocatalysts

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XXXIV. The Effect of Defect Creation in Microporous Vanadosilicate AM-6 Thin Films on Their Photocatalytic Performances

Kuzyaka D., Galioglu S., ALTIN İ., Akata B., Sökmen M. NANOTR-14 Conference-14th Nanoscience and Nanotechnology Conference, İzmir, Turkey, 1 - 05 September 2018, pp.1

XXXV. The Effect of Microporous Vanadosilicate AM-6 Thin Films as photocatalyst for the Degradation of Methylene Blue

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KUZYAKA D., GALİOĞLU S., ALTIN İ., SÖKMEN M., AKATA KURÇ B. 34th GFZ Congress, Cabourg, France, 26 - 29 March 2018

XXXVII. Photocatalytic Properties of TiO₂ Nanoparticles Prepared by Sol-Gel Method in the Presence of Different Surfactants

Koç Keşir M., Sarıkaya İ., ALTIN İ., Sökmen M., Bilgen S. International Porous & Powder Materials Symposium and Exhibitions (PPM 2017), İzmir, Turkey, 12 - 15 September 2017, pp.1

XXXVIII. Photocatalytic activity of TiO₂ modified by silicon phthalocyanine in dye-sensitized solar cells and degradation of methylene blue

Sökmen M., ALTIN İ., Koç Keşir M., Biyıklıoğlu Z. 6th International conference on semiconductor photochemistry, Oldenburg, Germany, 11 - 14 September 2017, pp.167

XXXIX. Effect of microporous vanadosilicate AM-6 thin films as photocatalysts for the degradation of methylene blue

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XL. Azometin Köprülü Fenolik Ftalosiyenlerin TiO₂'in Duyarlaştırılmasında Kullanımı ve Staphylococcus aureus'un Fotokatalitik Giderimi

DEĞİRMENCİOĞLU İ., Bayrak R., Koç M., Albay C., ALTIN İ., SÖKMEN M. III. Ulusal Organik Kimya Kongresi, Trabzon, Turkey, 5 - 08 September 2016, pp.78

XLI. Enhanced photocatalytic degradation of 4-chlorophenol in the presence of a new photocatalyst material

SÖKMEN M., ALBAY C., ALTIN İ., DEĞİRMENCİOĞLU İ., KOC M., BAYRAK R. 7th Black Sea basin Conference on Analytical Chemistry 7BBCAC, Varna, Bulgaria, 10 - 15 September 2015, pp.10

XLII. Photocatalytic inactivation of Staphylococcus aureus in water using TiO₂ modified with Nickel phthalocyanine

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XLIII. Silisium phthalocyanine sensitized TiO₂ nanomaterials

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- XLIV. **Novel TiO₂ photocatalysts modified with peripheral and non-peripheral substituted copper (II) phthalocyanines: Photocatalytic reduction and disinfections properties**
SÖKMEN M., ALBAY C., KOÇ M., ALTIN İ., DEĞİRMENCİOĞLU İ., BAYRAK R.
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- XLV. **ZnO ile katkılanırılmış TiO₂ nanotaneceklerin genleştirilmiř polistirene yüklenmesi ve fotokatalitik aktivitesinin incelenmesi**
ALTIN İ., CANSU A., KOÇ M., SÖKMEN M.
7. Ulusal Analitik Kimya Kongresi, Sütçü İmam Üniversitesi, Kahramanmarař, Turkey, 1 - 05 September 2014
- XLVI. **Photoreduction of Cr(VI) in Aqueous Suspension Using Cu Phthalocyanine Modified Titanium Dioxide Nanoparticles**
SÖKMEN M., ALTIN İ., ALBAY C., DEĞİRMENCİOĞLU İ., BAYRAK R., KOÇ M.
Nanoscience and Nanotechnology Conference of Turkey (NanoTR 10), İstanbul, Turkey, 17 - 21 June 2014, pp.1
- XLVII. **Structural, Optical and Photocatalytic Properties of Cu-ZnO and ZnO Nanorods**
SÖKMEN M., ALTIN İ., YILMAZ S., POLAT İ., BACAKSIZ E.
Nanoscience and Nanotechnology Conference of Turkey (NanoTR 10), İstanbul, Turkey, 17 - 21 June 2014, pp.10
- XLVIII. **Photocatalytic Properties of TiO₂ Nanoparticles Immobilized on Waste-Derived Polystyrene**
SÖKMEN M., ALTIN İ.
6th Black Sea basin Conference on Analytical Chemistry, Trabzon, Turkey, 10 - 14 September 2013, pp.10
- XLIX. **Kromatografi Kongresi,16-21 Haziran 2013 Uludağ Üniversitesi, Bursa.**
BAYRAK S., SÖKMEN M., SERDAR G., Demir E., KOÇ M., ALTIN İ.
Kromatografi Kongresi,16-21 Haziran 2013 Uludağ Üniversitesi, Bursa., Bursa, Turkey, 16 June 2013
- L. **Colchicum Autumnale L. Tohumundan Kolşisin İzolasyonu ve Saflařtırılması**
BAYRAK S., SÖKMEN M., SERDAR G., AYTAÇ E., Koç Keřir M., ALTIN İ.
Kromatografi Kongresi, Bursa, Turkey, 19 - 22 June 2013, pp.4
- LI. **Photocatalytic Reduction of Hexavalent Chromium With TiO₂ Immobilized on Expanded Polystyrene Beads**
SÖKMEN M., ALTIN İ.
8th Aegean Analytical Chemistry Days, İzmir, Turkey, 16 - 20 September 2012, pp.10
- LII. **Synthesis of TiO₂ Coated Self-Cleaning Materials**
SÖKMEN M., ALTIN İ., BURUK K., BACAKSIZ E.
7th Nanoscience and Nanotechnology Congress, İstanbul, Turkey, 27 June - 01 July 2011, pp.10
- LIII. **TiO₂ Nano-Particle Immobilized Polymeric Material and Photocatalytic Activity**
SÖKMEN M., ALTIN İ.
7th Nanoscience and Nanotechnology Congress, İstanbul, Turkey, 27 June - 01 July 2011, pp.10
- LIV. **ZnO and ZnS Microrods Coated on Glass and Photocatalytic Activity**
SÖKMEN M., ALTIN İ., BACAKSIZ E., POLAT İ.
7th Nanoscience and Nanotechnology Congress, İstanbul, Turkey, 27 June - 01 July 2011, pp.11
- LV. **Preparation and Antibacterial Properties of Silver and Cobalt Loaded Nano TiO₂ Particles**
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- LVI. **Removal Of Candida albicans Over TiO₂ Suspensions and Thin Film Coated Surface**
SÖKMEN M., ALTIN İ.
International Conference on Semiconductor Photochemistry, Glasgow, United Kingdom, 4 - 07 April 2010, pp.10
- LVII. **Titanyum dioksit ince film kaplı kendi kendini temizleyen malzemeler**
SÖKMEN M., BACAKSIZ E., BURUK C. K., TATLIDİL İ., SİVLİM T., AKKAN ř.
XXIII. Ulusal Kimya Kongresi, Cumhuriyet Üniversitesi, Sivas, Turkey, 16 - 20 March 2009

Supported Projects

ALTIN İ., ALTINOK İ., FEYZİOĞLU A. M., BACAŞIZ E., BOFFA V., Project Supported by Higher Education Institutions, Tarımsal biyotekniklerden elde edilecek grafen nanomateryallerine katalizör eklenerek atık suların arıtımında kullanılması, 2023 - Continues

ALTIN İ., EU Framework Program Project, (COST Action) Advanced Engineering and Research of aeroGels for Environment and Life Sciences, 2019 - Continues

OCAK Ü., OCAK M., KOLAYLI S., Altın İ., Dinç S., Kara M., TUBITAK Project, Fındık kabuğundan karbon nano noktalarının sentezlenmesi, floresans özelliklerinin belirlenmesi, analitik ve biyolojik amaçla kullanılabilirliğinin araştırılması, Continues

Altın İ., TUBITAK Project, Atık yumurta kabuğundan sentezlenecek kalsiyum oksit ile modifiye fotokatalizör sentezi ve su arıtımında kullanılabilirliğinin araştırılması, 2023 - 2024

Altın İ., Bacaksız E., H2020 Project, Interdisciplinary cross-sectoral approach to effectively address the removal of contaminants of emerging concern from water, 2017 - 2022

SAVAŞKAN YILMAZ S., KAYGUSUZ K., KOLCUOĞLU Y., ALTIN İ., BACAŞIZ E., Project Supported by Higher Education Institutions, INTERNATIONAL CONFERENCE ON CHEMICAL ENERGY AND SEMICONDUCTOR PHOTOCHEMISTRY, 2019 - 2020

Altın İ., Sökmen M., Project Supported by Higher Education Institutions, Co TiO₂ Ftalosiyanın nanokompozitlerin sentezi ve sentetik boya gideriminde kullanılabilirliği, 2015 - 2016

Altın İ., Sökmen M., Project Supported by Other Official Institutions, Nano-Gümüş Esaslı Antibakteriyal Yer ve Yüzey Dezenfektan Geliştirilmesi, 2014 - 2015

Altın İ., Sökmen M., Project Supported by Higher Education Institutions, TiO₂ yüklenmiş polistiren EPS in ağır metal gideriminde kullanılabilirliğinin araştırılması ve antibakteriyal özellikleri, 2012 - 2013

Altın İ., Sökmen M., Project Supported by Higher Education Institutions, Genleştirilmiş polistiren EPS atığının çeşitli kirletici türlerinin gideriminde kullanılabilirliğinin araştırılması, 2011 - 2012

SÖKMEN M., TUBITAK Project, Kendi Kendini Temizleme Özelliğine Sahip Titanyum Dioksit Nanofilm Kaplı Malzeme Üretimi ve Fotokatalitik Dezenfeksiyon Uygulamaları, 2008 - 2010

Scientific Refereeing

PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, SCI Journal, September 2023

CHEMICAL ENGINEERING JOURNAL, SCI Journal, September 2023

Inorganic and Nano-Metal Chemistry, SCI Journal, August 2023

CATALYSTS, SCI Journal, July 2023

Materials, SCI Journal, November 2022

WATER, AIR AND SOIL POLLUTION : AN INTERNATIONAL JOURNAL OF ENVIRONMENTAL POLLUTION, SCI Journal, October 2022

SEPARATIONS, SCI Journal, October 2022

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Karadeniz Technical University, Turkey, October 2022

KOSGEB, Karadeniz Technical University, Turkey, September 2022

Materials Letters: X, SCI Journal, August 2022

SEPARATIONS, SCI Journal, August 2022

Surfaces and Interfaces, SCI Journal, July 2022

SCIENCE OF THE TOTAL ENVIRONMENT, SCI Journal, April 2022

APPLIED SCIENCES-BASEL, SCI Journal, November 2021

WASTE AND BIOMASS VALORIZATION, SCI Journal, March 2021

TUBITAK Project, 2218 - Yurt İçi Doktora Sonrası Araştırma Burs Programı, TÜBİTAK, Turkey, January 2021

TUBITAK Project, 2218 - Yurt İçi Doktora Sonrası Araştırma Burs Programı, TÜBİTAK, Turkey, December 2020

Project Supported by Higher Education Institutions, BAP Research Project, Canakkale Onsekiz Mart University, Turkey, November 2020

Project Supported by Higher Education Institutions, BAP Research Project, Karadeniz Technical University, Turkey,

September 2020

JOURNAL OF HAZARDOUS MATERIALS, SCI Journal, April 2020

JOURNAL OF HAZARDOUS MATERIALS, SCI Journal, April 2020

Project Supported by Higher Education Institutions, University Supported Other Projects, Karadeniz Technical University, Turkey, September 2019

SEPARATION SCIENCE AND TECHNOLOGY, SCI Journal, August 2019

Surfaces and Interfaces, SCI Journal, July 2019

SEPARATION SCIENCE AND TECHNOLOGY, SCI Journal, June 2019

Journal of Hazardous Materials, SCI Journal, February 2019

Journal of Hazardous Materials, SCI Journal, November 2018

Journal of Hazardous Materials, SCI Journal, November 2018

Journal of Hazardous Materials, SCI Journal, October 2018

Desalination and Water Treatment, SCI Journal, September 2017

Thin Solid Films, SCI Journal, September 2016

Universal Journal of Chemistry, SCI Journal, December 2015

Industrial & Engineering Chemistry Research, SCI Journal, September 2015

Tasks In Event Organizations

Altun İ., Yılmaz Çamoğlu A., International Conference on Chemical Energy and Semiconductor Photochemistry, Scientific Congress, Trabzon, Turkey, Eylül 2019

Scientific Research / Working Group Memberships

AB-Horizon 2020 - Interdisciplinary cross-sectoral approach to effectively address the removal of contaminants of emerging concern from water, Università degli Studi di Trento, Italy, <https://www.aquality-etn.eu/>, 2017 - Continues

Metrics

Publication: 90

Citation (WoS): 752

Citation (Scopus): 807

H-Index (WoS): 18

H-Index (Scopus): 18

Congress and Symposium Activities

International Winter School on Mass Spectrometry and Third Aquality Meeting & Mid-Term Check, Attendee, Paris, France, 2019

First Aquality Symposium in the context of the European Marie Curie ITN project Aquality, Attendee, Clermont-Ferrand, France, 2018

Summer School in Fundamental Photochemistry and micropollutants photolysis, Attendee, Clermont-Ferrand, France, 2018

AB-H2020 Marie S. Curie ITN-ETN -Interdisciplinary cross-sectoral approach to effectively address the removal of contaminants of emerging concern from water (AQUALity), Workshop on PhD supervision, Attendee, Torino, Italy, 2017

AB-H2020 Marie S. Curie ITN-ETN -Interdisciplinary cross-sectoral approach to effectively address the removal of contaminants of emerging concern from water (AQUALity), KICK-OFF MEETING, Attendee, Torino, Italy, 2017

Awards

ALTIN İ., Hybrid Technologies for the Removal of Emerging Pollutants from Aqueous Systems, TÜBİTAK- 2024 Horizon 2020 Eşik Üstü Ödülü, October 2017

ALTIN İ., Sustainable Technologies for the removal of Emerging Pollutants from aqueous systems, TÜBİTAK- 2024 Horizon 2020 Eşik Üstü Ödülü, October 2016

Non Academic Experience

Dezenkon Kimya Temizlik Turizm İnşaat Sanayi ve Ticaret A.Ş.