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Öğrenim Bilgisi

Doktora

2011 - 2018

Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Türkiye

Yüksek Lisans

2008 - 2011

Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Türkiye

Lisans

2003 - 2007

Yıldız Teknik Üniversitesi, İnşaat Fakültesi, Türkiye

Yabancı Diller

İngilizce, A1 Başlangıç

Almanca, B2 Orta Üstü

İtalyanca, B1 Orta

Akademik Unvanlar / Görevler

Doç.Dr.

2022 - Devam Ediyor

İstanbul Teknik Üniversitesi, İnşaat, Çevre Mühendisliği

Dr.Öğr.Üyesi

2019 - 2022

Universita Degli Studi di Padova, Department of Chemical Sciences

Araştırma Görevlisi

2009 - 2019

Yıldız Teknik Üniversitesi, İnşaat Fakültesi, Çevre Müh.Bölümü

Arařtırma Grevlisi
2013 - 2013

Technische Universitaet Braunschweig, Faculty of Life Sciences, Institute of
Environmental and Sustainable Chemistry

Arařtırma Grevlisi
2010 - 2011

Universita Degli Studi di Catania, Faculty of Engineering, Chemical Engineering
Department

Desteklenen Projeler

1. Altuntař K., etinkaya A. Y., UFUK AVRUPA Projesi, EmpOweR Students as the agents of cHange, 2023 - 2026
2. Altuntař K., Yalıntepe Gneřtutar L., Erdağ D., Toprak M., TBTAK Uluslararası İkili İřbirliğı Projesi, Soğuk Plazma ve Pulse Manyetik Alan Kombinasyonu ile Salinomisin ve Kurkumin Ykl Fonksiyonel Manyetik Nanoparacıkların Meme Kanseri Hcrelerinde Antikanser İnovatif Yaklařımı, 2023 - 2025
3. Altuntař K., TBTAK - AB COST Projesi , Therapeutical applications of Cold Plasmas - PlasTHER, 2021 - 2025
4. Altuntař K., TBTAK - AB COST Projesi , Plasma Applications for Smart and Sustainable Agriculture-Plagri, 2020 - 2024
5. Altuntař K., Debik E., İlhan F., Manav Demir N., Newton Programı Destekli Proje, UK-Turkey capacity building for wastewater treatment integrated with renewable energy and safer reuse for sustainable communities, 2021 - 2022
6. Altuntař K., UFUK 2020 Projesi, Perfluorinated Organic Compounds (PFCs) Degradation using Non-Thermal Plasma Enhanced by Boron Doped Graphene Oxide as Catalyst, 2020 - 2022
7. Altuntař K., TBTAK Projesi, Yeniliki bir teknoloji olarak Soğuk Plazma ile Perflorlu Organik Bileřiklerin (PFCler) Degradasyonunun Arařtırılması, 2019 - 2022

Burslar

Marie Skłodowska-Curie Grant, Avrupa Birliğı Komisyonu, 2020 - 2022

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

1. **Emerging pollutants removal in full-scale biological treatment plants: A case study**
Altuntař K., Manav-Demir N., İLHAN F., Gelgor H. B., Huddersman K., Tiwary A., DEBİK E.
Journal of Water Process Engineering, cilt.51, 2023 (SCI-Expanded)
2. **Electrochemically activated persulfate and peroxymonosulfate for furfural removal: optimization using Box–Behnken design**
CAN GVEN E., İLHAN F., Altuntař K., YAZICI GVEN S., VARANK G.
Environmental Technology (United Kingdom), cilt.44, sa.9, ss.1251-1264, 2023 (SCI-Expanded)
3. **Iron-Copper Bimetallic Nanoparticle for the Removal of Disinfection By-products: Optimization, Kinetic Study, and Life Cycle Assessment**
Altuntař K., El Hadki A., Bilgili L., KUZU S. L., ETİNKAYA A. Y., DEBİK E.
WATER AIR AND SOIL POLLUTION, cilt.233, sa.7, 2022 (SCI-Expanded)
4. **Electrocatalytic degradation of oxytetracycline using three-dimensional electrode and optimization via fuzzy logic modeling**
Altuntař K., El Hadki A., İLHAN F., Zrineh A., El Hadki H., Kabbaj O. K., Dahchour A., DEBİK E.
SEPARATION SCIENCE AND TECHNOLOGY, cilt.57, sa.3, ss.454-464, 2022 (SCI-Expanded)
5. **Degradation of oxytetracycline in aqueous solution by heat-activated peroxydisulfate and peroxymonosulfate oxidation**
Altuntař K., YAZICI GVEN S., CAN GVEN E., İLHAN F., VARANK G.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, cilt.29, sa.6, ss.9110-9123, 2022 (SCI-Expanded)

6. **Atmospheric plasma-based approaches for the degradation of dimethyl phthalate (DMP) in water**
Altuntaş K., Saleem M., Tomei G., Marotta E., Paradisi C.
JOURNAL OF ENVIRONMENTAL MANAGEMENT, cilt.301, 2022 (SCI-Expanded)
7. **Removal of oxytetracycline by graphene oxide and Boron-doped reduced graphene oxide: A combined density function Theory, molecular dynamics simulation and experimental study**
El Hadki A., Altuntaş K., El Hadki H., ÜSTÜNDAĞ C. B., Kabbaj O. K., Dahchour A., Komiha N., Zrineh A., DEBİK E.
FLATCHEM, cilt.27, 2021 (SCI-Expanded)
8. **Biodegradation of emerging pharmaceuticals from domestic wastewater by membrane bioreactor: The effect of solid retention time**
Alobaidi R. A. K., Altuntaş K., Mhemid R. K. S., MANAV DEMİR N., ÇINAR Ö.
International Journal of Environmental Research and Public Health, cilt.18, sa.7, 2021 (SCI-Expanded)
9. **Effect of visible light on the removal of trichloromethane by graphene oxide**
Altuntaş K., DEBİK E., ÜSTÜNDAĞ C. B., Guven M. D., Gocen K. A.
Diamond and Related Materials, cilt.106, 2020 (SCI-Expanded)
10. **Dechlorination of dichlorodiphenyltrichloroethane (DDT) by Fe/Pd bimetallic nanoparticles: Comparison with nZVI, degradation mechanism, and pathways**
Altuntaş K., DEBİK E.
Frontiers of Environmental Science and Engineering, cilt.14, sa.1, 2020 (SCI-Expanded)
11. **Modelling and optimization of dye removal by Fe/Cu bimetallic nanoparticles coated with different Cu ratios**
Altuntaş K., KUZU S. L.
Materials Research Express, cilt.6, sa.11, 2019 (SCI-Expanded)
12. **Removal of humic substances by nano zero-valent iron supported on activated carbon and implementation of response surface methodology**
Altuntaş K.
Desalination and Water Treatment, cilt.166, ss.230-236, 2019 (SCI-Expanded)
13. **Electrocoagulation process for the treatment of metal-plating wastewater: Kinetic modeling and energy consumption**
İLHAN F., Altuntaş K., AVŞAR Y., KURT U., SARAL A.
Frontiers of Environmental Science and Engineering, cilt.13, sa.5, 2019 (SCI-Expanded)
14. **Treatability of raw textile wastewater using Fenton process and its comparison with chemical coagulation**
İLHAN F., Altuntaş K., Dogan C., KURT U.
Desalination and Water Treatment, cilt.162, ss.142-148, 2019 (SCI-Expanded)
15. **Dichloro-diphenyl-trichloroethane removal via nano zero-valent iron: Determination of degradation mechanism using response surface methodology**
Altuntaş K., DEBİK E., Arslan Z. B.
Desalination and Water Treatment, cilt.143, ss.197-207, 2019 (SCI-Expanded)
16. **Adsorption of copper ion from aqueous solutions by well-crystalized nanosized hydroxyapatite**
Altuntaş K., Uzun H. I., ÜSTÜNDAĞ C. B., DEBİK E.
Materials Research Express, cilt.6, sa.12, 2019 (SCI-Expanded)
17. **Enhancing Biodegradability of Textile Wastewater by Ozonation Processes: Optimization with Response Surface Methodology**
Altuntaş K., İLHAN F.
Ozone: Science and Engineering, cilt.40, sa.6, ss.465-472, 2018 (SCI-Expanded)
18. **Borohydride method modification in synthesizing nano zero valent iron and its application in DDT removal**
Altuntaş K., DEBİK E.
Environmental Science and Pollution Research, cilt.25, sa.30, ss.30110-30121, 2018 (SCI-Expanded)
19. **Nano zero-valent iron supported on activated carbon: Effect of ac/nzvi ratio on removal of nickel ion from water**

Altuntaş K., DEBİK E., Gungor S.

Global Nest Journal, cilt.20, sa.2, ss.424-431, 2018 (SCI-Expanded)

20. **Single and binary adsorption of copper and nickel metal ions on nano zero valent iron (nZVI): A kinetic approach**

Altuntaş K., DEBİK E., Yoruk I., Kozal D.

Desalination and Water Treatment, cilt.93, ss.274-279, 2017 (SCI-Expanded)

21. **Evaluation of operational parameters and its relation on the stoichiometry of Fenton's oxidation to textile wastewater Procena radnih parametara I njihov odnos sa stehiometrijom fenton oksidacije otpadne vode tekstilne industrije**

İLHAN F., YETİLMEZSOY K., Kabuk H. A., Altuntaş K., Coskun T., Akoglu B.

Chemical Industry and Chemical Engineering Quarterly, cilt.23, sa.1, ss.11-19, 2017 (SCI-Expanded)

22. **Comparative study of electrochemical wastewater treatment processes for bilge water as oily wastewater: A kinetic approach**

Altuntaş K., KURT U.

Journal of Electroanalytical Chemistry, cilt.747, ss.104-111, 2015 (SCI-Expanded)

23. **Determination of Biological Treatability Processes of Textile Wastewater and Implementation of a Fuzzy Logic Model**

Kabuk H. A., AVŞAR Y., KUZU S. L., İLHAN F., Altuntaş K.

International Journal of Photoenergy, cilt.2015, 2015 (SCI-Expanded)

24. **Electrocoagulation Process Application in Bilge Water Treatment Using Response Surface Methodology**

Ulucan-Altuntas K., Kabuk H. A., İlhan F., Kurt U.

INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, cilt.9, sa.5, ss.2316-2326, 2014 (SCI-Expanded)

25. **Comparison of pH Adjustment and Electrocoagulation Processes on Treatability of Metal Plating Wastewater**

Kabuk H. A., AVŞAR Y., İLHAN F., Altuntaş K.

Separation Science and Technology (Philadelphia), cilt.49, sa.4, ss.613-618, 2014 (SCI-Expanded)

26. **Combining adsorption and coagulation for the treatment of azo and anthraquinone dyes from aqueous solution**

Karadag D., Tok S., Akgul E., Ulucan-Altuntas K., Evden H., Kaya M.

INDUSTRIAL AND ENGINEERING CHEMISTRY RESEARCH, cilt.45, sa.11, ss.3969-3973, 2006 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

1. **Bisphenol a removal by graphene oxide applied in different processes**

DEBİK E., Altuntaş K., Hadki A. E.

Journal of Engineering and Technological Sciences, cilt.52, sa.3, ss.413-423, 2020 (ESCI)

2. **Adsorption of copper metal ion from aqueous solution by Nanoscale Zero Valent Iron (nZVI) supported on activated carbon**

Altuntaş K., DEBİK E., Kozal D., Yoruk I. I.

Periodicals of Engineering and Natural Sciences, cilt.5, sa.1, ss.61-64, 2017 (Scopus)

Patent

Altuntaş K., Debik E., Noberi C., Kaya C., Üstündağ C. B., Nano boyutta demir oksit (hematit) ile sinterlenmiş zeolit yatak malzemesi., Patent, BÖLÜM C Kimya; Metalürji, Buluşun Tescil No: TR 2013 06737 A2 , Standart Tescil, 2016

Araştırma Alanları

Atıksuların Toplanması ve Arıtımı, Su Temini ve Arıtımı, Kataliz ve Katalitik Süreçler, Gazlar, Plazmalar ve Elektriksel Boşalmalar Fiziği