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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAZ-6049-2020

ScopusID: 57213148474

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Education Information

Doctorate, Yildiz Technical University, Faculty Of Civil Engineering, Department Of Environmental Engineering, Turkey
2019 - Continues

Postgraduate, Yildiz Technical University, Faculty Of Civil Engineering, Department Of Environmental Engineering, Turkey
2015 - 2019

Undergraduate, Yildiz Technical University, Faculty Of Civil Engineering, evre Mühendislięi, Turkey 2011 - 2015

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Environmental Engineering, Environmental Technology, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Yildiz Technical University, Faculty Of Civil Engineering, Department Of Environmental Engineering,
2017 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigation of Silt Density Index and Modified Fouling Index Responses to Fouling Concentration and Particle Size**
TÜR K O. K., Gosterislioglu D. G., AKMAKCI M.
Water, Air, and Soil Pollution, vol.236, no.4, 2025 (SCI-Expanded)
- II. **Application of environmentally friendly technologies for the management of nanofiltration concentrate from landfill leachate**
YAZICI GÜVEN S., Ozen İ., Binici M., Demiroz B., TÜR K O. K., CAN GÜVEN E., VARANK G.

Journal of Environmental Chemical Engineering, vol.12, no.3, 2024 (SCI-Expanded)

- III. **Performances of PTFE and PVDF membranes in achieving the discharge limit of mixed anodic oxidation coating wastewaters treated by membrane distillation**
TÜRK O. K., Zoungrana A., ÇAKMAKCI M.
Environmental Science and Pollution Research, vol.31, no.27, pp.39663-39677, 2024 (SCI-Expanded)
- IV. **Effective treatment of textile industry wastewater by combined ultraviolet assisted and Fe²⁺ catalyzed percarbonate oxidation**
Unal Yilmaz E., Gundogdu H., Bilgin O. N., Yokus S., TÜRK O. K., YAZICI GÜVENÇ S., CAN GÜVEN E., VARANK G.
Journal of Dispersion Science and Technology, vol.45, no.8, pp.1585-1598, 2024 (SCI-Expanded)
- V. **Norfloxacin removal by ultraviolet-activated sodium percarbonate and sodium hypochlorite: process optimization and anion effect**
Yazici Guvenc S., Turk O. K., Can-Güven E., Garazade N., Varank G.
Water Science and Technology, vol.87, no.11, pp.2872-2889, 2023 (SCI-Expanded)
- VI. **Photodegradation of oxytetracycline by UV-assisted persulfate and percarbonate processes: kinetics, influencing factors, anion effect, and radical species**
TÜRK O. K., Adalar G., YAZICI GÜVENÇ S., CAN GÜVEN E., VARANK G., DEMİR A.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.30, pp.869-883, 2023 (SCI-Expanded)
- VII. **Application of the hybrid electrocoagulation–electrooxidation process for the degradation of contaminants in acidified biodiesel wastewater**
YAZICI GÜVENÇ S., VARANK G., CAN GÜVEN E., Ercan H., Yaman D., Saricam E., TÜRK O. K.
Journal of Electroanalytical Chemistry, vol.926, 2022 (SCI-Expanded)
- VIII. **Oxidative removal of oxytetracycline by UV-C/hydrogen peroxide and UV-C/peroxymonosulfate: Process optimization, kinetics, influence of co-existing ions, and quenching experiments**
VARANK G., CAN GÜVEN E., YAZICI GÜVENÇ S., Garazade N., TÜRK O. K., DEMİR A., ÇAKMAKCI M.
Journal of Water Process Engineering, vol.50, 2022 (SCI-Expanded)
- IX. **Chemical precipitation and membrane distillation process for the treatment of acidic anodic oxidation wastewaters**
Tuerk O. K., Zoungrana A., cakmakci M.
JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, vol.10, no.4, 2022 (SCI-Expanded)
- X. **Reverse electrodialysis salinity gradient power potential of treated municipal wastewaters used as diluted solution**
Zoungrana A., Aksel C., TÜRK O. K., ÇAKMAKCI M.
INTERNATIONAL JOURNAL OF GLOBAL WARMING, vol.23, no.4, pp.463-481, 2021 (SCI-Expanded)
- XI. **Energy coverage of ataköy-ambarlı municipal wastewater treatment plants by salinity gradient power**
Zoungrana A., TÜRK O. K., ÇAKMAKCI M.
Journal of Water Process Engineering, vol.38, 2020 (SCI-Expanded)
- XII. **Ammoniacal nitrogen reclamation by membrane distillation from high ammonia polluted solutions**
Zoungrana A., Zengin I. H., Türk O. K., Çakmakcı M.
CHEMICAL PAPERS, vol.74, no.6, pp.1903-1915, 2020 (SCI-Expanded)

Papers Published in Refereed Scientific Meetings

- I. **UV İle Kurutulmuş Atık Hayvan Kanının Kireç Esaslı Harçlarda Değerlendirilmesi**
TALAS Y. E., YÜZER N., ÖZDOĞRU E., DİNÇ ŞENGÖNÜL B., TÜRK O. K.
4th International Congress on Engineering and Natural Sciences, İstanbul, Turkey, 27 July 2024, pp.396-400
- II. **Investigating the Effect of Colloidal Foulants on SDI and MFI Tests**
Gösterişlioğlu D. G., Türk O. K., Çakmakcı M.
2nd International Congress of Engineering and Natural Sciences Studies (ICENSS-2022), Ankara, Turkey, 7 - 09 May 2022, pp.133-140

- III. **Sulfate Removal by Membrane Distillation of Anodizing Coating Waste Water of Aluminum Industry**
Türk O. K., Çakmakçı M.
1. Uluslararası İçmesuyu ve Atıksu Sempozyumu, Afyon, Turkey, 6 - 07 December 2018, pp.293-300
- IV. **Ammonium Recovery Performance of Membrane Distillation from Synthetic Solution**
Zoungrana A., Zengin İ. H., TÜRK O. K., ÇAKMAKCI M.
EurAsia Waste Management Symposium 2018, İstanbul, Turkey, 02 May 2018, pp.1-6
- V. **Reduction of Membrane Distillation concentrate Volume by Evaporation**
Zengin İ. H., Zoungrana A., TÜRK O. K., ÇAKMAKCI M.
MEMTEK 2017 5.Ulusal Membran Teknolojileri ve Uygulamaları Sempozyumu, İstanbul, Turkey, 21 September 2017, pp.1
- VI. **Evaluation of the Importance of pretreatment in Membrane Distillation Performance during Landfill Leachate Treatment**
Zoungrana A., Zengin İ. H., TÜRK O. K., ÇAKMAKCI M.
MEMTEK 2017 5.Ulusal Membran Teknolojileri ve Uygulamaları Sempozyumu, İstanbul, Turkey, 21 September 2017, pp.1

Supported Projects

ÇAKMAKCI M., KURT U., Zengin İ. H., TÜRK O. K., SARAL M., Project Supported by Higher Education Institutions, Hibrit Arıtma Düzeneği İle Orta Yoğunluklu Sunta Fabrikası Atıksularının Arıtılabilirliği, 2023 - 2024

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