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International Researcher IDs

Publons / Web Of Science ResearcherID: AAG-1697-2019

Yoksis Researcher ID: 134905

Education Information

Doctorate, Bogazici University, Institute Of Environmental Sciences, Department Of Environmental Technology, Turkey
2011 - 2019

Foreign Languages

English, C2 Mastery

Research Areas

Environmental Engineering, Environmental Sciences, Environmental Technology, Marine Sciences and Technology,
Coastal Sciences, Oceanography

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Material Design for Synergistic Advanced Oxidation Processes**
SAVUN B., KORKMAZ N., AKSU A., TAŞKIN Ö. S., ÇAĞLAR N., Nurmanov S., Turabov N., Turaev K., Ruzimuradov O.
Water, Air, and Soil Pollution, vol.235, no.7, 2024 (SCI-Expanded)
- II. **Optimization of wastewater treatment systems for growing industrial parks**
SAVUN HEKİMOĞLU B., İşler Z., Hekimoğlu M., BURAK Z. S., Karlı D., Yücekaya A., Akpınar E., Ediger V. Ş.
Science of the Total Environment, vol.905, 2023 (SCI-Expanded)
- III. **Occurrence and environmental risk assessment of antifouling paint biocides in the Golden Horn Estuary, Sea of Marmara, Turkey**
KORKMAZ N., Kapudan T., TAŞKIN Ö. S., AKSU A., SAVUN HEKİMOĞLU B., Balkıs N. Ç.
Regional Studies in Marine Science, vol.63, 2023 (SCI-Expanded)
- IV. **Occurrence, sources and environmental risk assessment of pharmaceuticals in the Sea of Marmara, Turkey**
E. Korkmaz N., Savun-Hekimoğlu B., Aksu A., Burak Z. S., Caglar N. B.
SCIENCE OF THE TOTAL ENVIRONMENT, vol.819, 2022 (SCI-Expanded)
- V. **Oxidative decomposition and mineralization of caffeine by advanced oxidation processes: The effect of hybridization**
Ziylan-Yavas A., Ince N. H., ÖZÖN E., Arslan E., AVİYENTE V., Savun-Hekimoglu B., ERDİNÇLER A.

ULTRASONICS SONOCHEMISTRY, vol.76, 2021 (SCI-Expanded)

- VI. **Evaluation of water supply alternatives for Istanbul using forecasting and multi-criteria decision making methods**
Savun-Hekimoglu B., Erbay B., Hekimoglu M., Burak S.
JOURNAL OF CLEANER PRODUCTION, vol.287, 2021 (SCI-Expanded)
- VII. **Catalytic ozonation of caffeine with sepiolite: Effects of impregnation with zero-valent iron and ultrasound**
Savun-Hekimoglu B., Eren Z., Ince N. H.
ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY, vol.40, no.2, 2021 (SCI-Expanded)
- VIII. **Photocatalytic Destruction of Caffeine on Sepiolite-Supported TiO₂ Nanocomposite**
Savun-Hekimoglu B., Eren Z., Ince N. H.
SUSTAINABILITY, no.24, 2020 (SCI-Expanded)
- IX. **Hydroxyl radical-mediated degradation of salicylic acid and methyl paraben: an experimental and computational approach to assess the reaction mechanisms**
Arslan E., Hekimoglu B., Cinar S. A., Ince N., Aviyente V.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.26, no.32, pp.33125-33134, 2019 (SCI-Expanded)
- X. **Optimization of methylparaben degradation by sonocatalysis**
Savun-Hekimoglu B., Ince N. H.
ULTRASONICS SONOCHEMISTRY, vol.58, 2019 (SCI-Expanded)
- XI. **Sonochemical and sonocatalytic destruction of methylparaben using raw, modified and SDS-intercalated particles of a natural clay mineral**
Savun-Hekimoglu B., Ince N. H.
ULTRASONICS SONOCHEMISTRY, vol.54, pp.233-240, 2019 (SCI-Expanded)
- XII. **Decomposition of PPCPs by ultrasound-assisted advanced Fenton reaction: A case study with salicylic acid (Reprinted from Ultrasonics Sonochemistry, vol 39, pg 243-249, 2017)**
Savun-Hekimoglu B., Ince N. H.
ULTRASONICS SONOCHEMISTRY, vol.40, pp.46-52, 2018 (SCI-Expanded)
- XIII. **Decomposition of PPCPs by ultrasound-assisted advanced Fenton reaction: A case study with salicylic acid**
Savun-Hekimoglu B., Ince N. H.
ULTRASONICS SONOCHEMISTRY, vol.39, pp.243-249, 2017 (SCI-Expanded)
- XIV. **Pretreatment of Sewage Sludge by Low-frequency Ultrasound**
Savun B., Neis U., Ince N. H., Yenigun O.
JOURNAL OF ADVANCED OXIDATION TECHNOLOGIES, vol.15, no.2, pp.374-379, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. **Multi-Criteria Decision-Making Analysis for the Selection of Desalination Technologies**
Hekimoğlu M., Savun Hekimoğlu B., Erbay B., Gazioğlu C.
International Journal of Environment and Geoinformatics, vol.9, no.4, pp.207-216, 2022 (Peer-Reviewed Journal)
- II. **Mucilage Problem in the Semi-Enclosed Seas: Recent Outbreak in the Sea of Marmara**
Savun Hekimoğlu B., Gazioğlu C.
International Journal of Environment and Geoinformatics, vol.8, no.4, pp.402-413, 2021 (Peer-Reviewed Journal)
- III. **A Comparative MCDM Analysis of Potential Short-Term Measures for Dealing with Mucilage Problem in the Sea of Marmara**
Savun Hekimoğlu B., Erbay B., Burak Z. S., Gazioğlu C.
International Journal of Environment and Geoinformatics, vol.8, no.4, pp.572-580, 2021 (Peer-Reviewed Journal)
- IV. **Comparison of Advanced Oxidation Processes (Sonication, Fenton Reaction and Ozone-Based Processes) for Water Decolorization**
Savun Hekimoğlu B.

International Journal of Environment and Geoinformatics, vol.8, pp.166-171, 2021 (Peer-Reviewed Journal)

V. On the Use of Mathematical Models for Wastewater Treatment: A Review and Analysis of Activated Sludge Models ASM1 and ASM3

Savun Hekimoğlu B.

International Journal of Environment and Geoinformatics, vol.8, pp.1-18, 2021 (Peer-Reviewed Journal)

Books & Book Chapters

I. PHARMACEUTICALS IN THE SEA OF MARMARA, TÜRKİYE

Çağlar N., Aksu A., Korkmaz N., Savun B.

in: ECOLOGICAL CHANGES IN THE SEA OF MARMARA, Melek İşinibir, Ahmet Kideys, Alenka Malerj, Editor, İstanbul University Press, İstanbul, pp.297-339, 2024

Refereed Congress / Symposium Publications in Proceedings

I. PRESENCE, SPATIAL DISTRIBUTION, AND RISK ASSESSMENT OF PHARMACEUTICAL COMPOUNDS IN THE SEA OF MARMARA, TURKEY

Korkmaz N., Savun Hekimoğlu B., Aksu A., Burak Z. S., Çağlar N.

III. ULUSAL DENİZLERDE İZLEME VE DEĞERLENDİRME SEMPOZYUMU, Antalya, Turkey, 6 - 09 December 2022, pp.81-82

II. Assesment of water quality of Lake Bafa in Turkey

Ülker D., Savun-Hekimoğlu B., Burak Z. S.

IWA Digital World Water Congress, 24 May - 04 June 2021, pp.1

III. Sonocatalytic Destruction of PPCP's in Water Using Costless Clay Minerals

İNCE H. N., SAVUN HEKİMOĞLU B.

16th Meeting of the European Society of Sonochemistry, Besançon, France, 15 - 19 April 2018

Metrics

Publication: 23

Citation (WoS): 105

Citation (Scopus): 116

H-Index (WoS): 7

H-Index (Scopus): 6