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Personal Information

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Education Information

Doctorate, University Of California, Berkeley, Çevre Mühendisliği, United States Of America 2007 - 2012

Postgraduate, University Of California, Berkeley, Çevre Mühendisliği, United States Of America 2006 - 2007

Undergraduate Double Major, İstanbul Teknik Üniversitesi, İnşaat Fakültesi, Çevre Mühendisliği Bölümü, Turkey 2003 - 2006

Undergraduate, İstanbul Teknik Üniversitesi, İnşaat Fakültesi, İnşaat Mühendisliği Bölümü, Turkey 2001 - 2005

Foreign Languages

English, C1 Advanced

German, C1 Advanced

Dissertations

Doctorate, Wetlands as best management practices to mitigate agricultural nonpoint source pollution, University Of California, Berkeley, Çevre Mühendisliği, 2012

Research Areas

Technical Sciences, Environmental Engineering, Environmental Technology, Waste Water Collection and Treatment, Environmental Modeling, Water Pollution and Control, Soil and Groundwater Pollution and Control

Academic Titles / Tasks

Assistant Professor, İstanbul Teknik Üniversitesi, İnşaat Fakültesi, Çevre Mühendisliği Bölümü, 2014 - Continues

Courses

Water Supply and Wastewater Disposal, Undergraduate, 2014 - 2015

Toprak Kirlenmesi ve Kontrolü, Undergraduate, 2014 - 2015

Water Supply and Environmental Sanitation, Undergraduate, 2014 - 2015

Jury Memberships

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

- I. **Analysis of Eutrophication Potential in Main Drinking Water Basins of Istanbul**
Karpuzcu M. E. , Fakioglu Kutlu M., Öztürk İ.
CLEAN-SOIL AIR WATER, 2021 (Journal Indexed in SCI)
- II. **Mitigation of organophosphate pesticide pollution in agricultural watersheds**
Sahin C., Karpuzcu M. E.
SCIENCE OF THE TOTAL ENVIRONMENT, vol.710, 2020 (Journal Indexed in SCI)
- III. **Management of wastewater in rural districts of Istanbul metropolitan municipality**
Karpuzcu M. E. , Inci A., Goktas M. H. , Öztürk İ.
WATER SCIENCE AND TECHNOLOGY, vol.79, no.11, pp.2079-2085, 2019 (Journal Indexed in SCI)
- IV. **Sources and transport of contaminants of emerging concern: A two-year study of occurrence and spatiotemporal variation in a mixed land use watershed**
Fairbairn D. J. , Karpuzcu M. E. , ARNOLD W. A. , BARBER B. L. , KAUFENBERG E. F. , KOSKINEN W. C. , NOVAK P. J. , RICE P. J. , SWACKHAMER D. L.
SCIENCE OF THE TOTAL ENVIRONMENT, vol.551, pp.605-613, 2016 (Journal Indexed in SCI)
- V. **Phototransformation of pesticides in prairie potholes: effect of dissolved organic matter in triplet-induced oxidation**
Karpuzcu M. E. , MCCABE A. J. , ARNOLD W. A.
ENVIRONMENTAL SCIENCE-PROCESSES & IMPACTS, vol.18, no.2, pp.237-245, 2016 (Journal Indexed in SCI)
- VI. **Sediment-water distribution of contaminants of emerging concern in a mixed use watershed**
Fairbairn D. J. , Karpuzcu M. E. , ARNOLD W. A. , BARBER B. L. , KAUFENBERG E. F. , KOSKINEN W. C. , NOVAK P. J. , RICE P. J. , SWACKHAMER D. L.
SCIENCE OF THE TOTAL ENVIRONMENT, vol.505, pp.896-904, 2015 (Journal Indexed in SCI)
- VII. **Identifying sources of emerging organic contaminants in a mixed use watershed using principal components analysis**
Karpuzcu M. E. , FAIRBAIRN D., ARNOLD W. A. , BARBER B. L. , KAUFENBERG E., KOSKINEN W. C. , NOVAK P. J. , RICE P. J. , SWACKHAMER D. L.
ENVIRONMENTAL SCIENCE-PROCESSES & IMPACTS, vol.16, no.10, pp.2390-2399, 2014 (Journal Indexed in SCI)
- VIII. **Biotransformation of chlorpyrifos in riparian wetlands in agricultural watersheds: Implications for wetland management**
Karpuzcu M. E. , SEDLAK D. L. , Stringfellow W. T.
JOURNAL OF HAZARDOUS MATERIALS, vol.244, pp.111-120, 2013 (Journal Indexed in SCI)
- IX. **Sizing mitigation wetlands in agricultural watersheds**
Stringfellow W. T. , Karpuzcu M. E. , Spier C., Hanlon J. S. , Graham J.
WATER SCIENCE AND TECHNOLOGY, vol.67, no.1, pp.40-46, 2013 (Journal Indexed in SCI)
- X. **Kinetics of nitrate removal in wetlands receiving agricultural drainage**
Karpuzcu M. E. , Stringfellow W. T.
ECOLOGICAL ENGINEERING, vol.42, pp.295-303, 2012 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **İçme sularından tat ve kokunun giderimi: İstanbul'daki kurulu su arıtma tesislerinde performans değerlendirmesi ve iyileştirilmesi**
FAKIOĞLU M., KARPUZCU M. E. , TORÖZ İ., YILDIZ F., ÖZTÜRK İ.
Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, vol.26, 2020 (Journal Indexed in ESCI)

- II. **Küçük Menderes Alt Havzası'nın SWAT ile Modellenmesi**
Saddiği M. M. , KARPUZCU M. E.
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.34, no.4, pp.55-69, 2019 (Other Refereed National Journals)
- III. **Organofosfatlı Pestisitlerin Pilot Ölçekli Sulak Alan Reaktörlerinde Gideriminin İncelenmesi**
KARPUZCU M. E. , ŞAHİN Ç.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.23, pp.137-145, 2019 (Other Refereed National Journals)
- IV. **Current status of agricultural pesticide pollution in Turkey and evaluation of alternative control methods**
Dogan F. N. , Karpuzcu M. E.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.25, no.6, pp.734-747, 2019 (Journal Indexed in ESCI)
- V. **İçme sularında alg kaynaklı tat ve koku sorununun değerlendirilmesi**
FAKIOĞLU M., KARPUZCU M. E. , ÖZTÜRK İ.
Pamukkale Üniversitesi Mühendislik Bilimleri, vol.24, 2018 (Other Refereed National Journals)

Books & Book Chapters

- I. **Biyolojik Arıtma**
ÖZTÜRK İ., KARPUZCU M. E. , ÖZGÜN H.
in: Atıksu Mühendisliği, , Editor, İSKİ, İstanbul, pp.123-197, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. **Management of Wastewater in Rural Districts of Istanbul Metropolitan Municipality**
KARPUZCU M. E. , İNCİ A., HACI GÖKTAŞ M., ÖZTÜRK İ.
IWA SWWS2018 Conference on Small Water Wastewater Systems and Resources Oriented Sanitation, Haifa, Israel, 14 - 18 October 2018
- II. **Wetlands as BMPs for the Control of Diffuse Pollution**
KARPUZCU M. E.
Michigan State University Seminar Series, 25 August 2017
- III. **Fate of Organophosphate Pesticides in Wetlands Receiving Agricultural Drainage**
KARPUZCU M. E. , ŞAHİN Ç.
254th National Meeting of the American-Chemical-Society (ACS), Washington, United States Of America, 19 - 24 August 2017
- IV. **Biotransformation of organophosphate pesticides in wetland sediments in Meric-Ergene Basin**
ŞAHİN Ç., KARPUZCU M. E.
The 9th Eastern European IWA Young Water Professionals Conference, Budapest, Hungary, 24 - 27 May 2017

Edit Congress and Symposium Activities

Michigan State University Seminar Series, Invited Speaker, Michigan, United States Of America, 2017

Citations

Total Citations (WOS):172

h-index (WOS):6