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Kişisel Bilgiler

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Publons / Web Of Science ResearcherID: S-5330-2017

ScopusID: 56246822100

Yoksis Araştırmacı ID: 154464

Eđitim Bilgileri

Doktora, University of Maryland, College Park, A. James Clark School Of Engineering, Department Of Civil And Environmental Engineering, Amerika Birleşik Devletleri 2012 - 2016

Yüksek Lisans, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Zemin Mekaniđi Ve Geoteknik Mühendisliđi (YI), Türkiye 2007 - 2010

Yabancı Diller

İngilizce

Almanca, C1 İleri

Yaptığı Tezler

Doktora, GEOTECHNICAL AND ENVIRONMENTAL IMPACTS OF STEEL SLAG IN EMBANKMENTS, University Of Maryland, College Park, A. James Clark School Of Engineering, Department Of Civil And Environmental Engineering, 2016

Yüksek Lisans, KAZIKLI RADYEJENERAL TEMELLERİN DÜŞEY VE YATAY YÜKLER ALTINDA DAVRANIŞININ SONLU ELEMENLAR YÖNTEMİ İLE İNCELENMESİ, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, İnşaat Mühendisliđi, 2010

Araştırma Alanları

Teknik Bilimler, İnşaat Mühendisliđi , Geoteknik, Temel Mühendisliđi, Zemin Mekaniđi, Zemin İyileştirmesi

Akademik Unvanlar / Görevler

Dr.Öğr.Üyesi, İstanbul Teknik Üniversitesi, İnşaat, İnşaat Mühendisliđi, 2019 - Devam Ediyor

Araştırma Görevlisi, İstanbul Teknik Üniversitesi, İnşaat, İnşaat Mühendisliđi, 2009 - 2019

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **When roads want to be dams: looking to dam safety to regulate transportation embankments**
O'Shaughnessy A., Yalçın Dayıođlu A., Davis A. P., Aydilek A. H.
Natural Hazards, cilt.120, sa.3, ss.2349-2378, 2024 (SCI-Expanded)
- II. **Laboratory Testing of Ferrochrome Slag as an Aggregate in Porous Pavements**
Topaloglu S., Cetin A., Yalçın Dayıođlu A., Aydilek A. H.
Geotechnical Testing Journal, cilt.47, sa.1, 2024 (SCI-Expanded)
- III. **pH-Dependent Leaching Characteristics of Steel Slag Mitigated with Water Treatment Residual**
Yalçın Dayıođlu A.
Geotechnical Testing Journal, cilt.47, sa.1, 2024 (SCI-Expanded)
- IV. **Long-term hydraulic performance of geotextile filtering recycled materials**
Odabasi E., Yalçın Dayıođlu A., Yetis A. D., Aydilek A. H.
GEOSYNTHETICS INTERNATIONAL, cilt.30, sa.2, ss.137-153, 2023 (SCI-Expanded)
- V. **Comparative evaluation of freeze and thaw effect on strength of BEICP-stabilized silty sands and cement- and fly ash-stabilized soils**
Tung Hoang T. H., Do H., Alleman J., Cetin B., Yalçın Dayıođlu A.
ACTA GEOTECHNICA, cilt.18, sa.2, ss.1073-1092, 2023 (SCI-Expanded)
- VI. **Mechanical and hydraulic compatibility of RAP with geosynthetics used in MSE walls**
Soleimanbeigi A., Ozocak A., Li B., Akmaz E., Yalçın Dayıođlu A., Tanyu B. F., Aydilek A. H., Likos W. J.
GEOSYNTHETICS INTERNATIONAL, cilt.29, sa.1, ss.1-18, 2022 (SCI-Expanded)
- VII. **pHStat testing and geochemical modeling of inorganic compounds in recycled asphalt pavement used in highway shoulders**
Seybou-Insa O., Yalçın Dayıođlu A., Houlihan M., Aydilek A. H.
CONSTRUCTION AND BUILDING MATERIALS, cilt.313, 2021 (SCI-Expanded)
- VIII. **Stiffness Properties of Recycled Concrete Aggregates as Unbound Base and Subbase Materials Under Freeze and Thaw Cycles**
Akbař M., İyisan R., Dayıoglu A., Hatipođlu M.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, cilt.46, sa.11, ss.10569-10584, 2021 (SCI-Expanded)
- IX. **Geoenvironmental behavior of lime-treated marine sediments**
Deshmukh A. S., Yalçın Dayıođlu A., Aydilek A. H.
MARINE GEORESOURCES & GEOTECHNOLOGY, cilt.39, sa.6, ss.682-695, 2021 (SCI-Expanded)
- X. **Trace metal leaching from quarry by-product-stabilized marine sediments**
Singh A., Houlihan M., Yalçın Dayıođlu A., Aydilek A. H.
MARINE GEORESOURCES & GEOTECHNOLOGY, cilt.39, sa.7, ss.765-777, 2021 (SCI-Expanded)
- XI. **Geoenvironmental Evaluation of RCA-Stabilized Dredged Marine Sediments as Embankment Material**
Houlihan M., BİLGEN G., Yalçın Dayıođlu A., Aydilek A. H.
JOURNAL OF MATERIALS IN CIVIL ENGINEERING, cilt.33, sa.1, 2021 (SCI-Expanded)
- XII. **Batch leaching testing of stabilized dredged bottom-sea sediments**
Singh A., Houlihan M., Yalçın Dayıođlu A., Aydilek A. H.
JOURNAL OF SOILS AND SEDIMENTS, cilt.20, sa.10, ss.3793-3806, 2020 (SCI-Expanded)
- XIII. **Hydraulic and environmental impacts of using recycled asphalt pavement on highway shoulders**
Mijic Z., Yalçın Dayıođlu A., Hatipođlu M., Aydilek A. H.
CONSTRUCTION AND BUILDING MATERIALS, cilt.234, 2020 (SCI-Expanded)
- XIV. **Effect of cement incorporation on the leaching characteristics of elements from fly ash and slag treated soils**
Mahedi M., Cetin B., Yalçın Dayıođlu A.
JOURNAL OF ENVIRONMENTAL MANAGEMENT, cilt.253, 2020 (SCI-Expanded)
- XV. **Evaluation of recycled concrete aggregate backfill for geosynthetic-reinforced MSE walls**
Soleimanbeigi A., Tanyu B. E., Aydilek A. H., Florio P., Abbaspour A., Dayıoglu A., Likos W. J.
GEOSYNTHETICS INTERNATIONAL, cilt.26, sa.4, ss.396-412, 2019 (SCI-Expanded)
- XVI. **Effect of pH and Subgrade Type on Trace-Metal Leaching from Steel-Slag Embankments into**

Groundwater

Yalçın Dayiođlu A., Aydilek A. H.

JOURNAL OF MATERIALS IN CIVIL ENGINEERING, cilt.31, sa.8, 2019 (SCI-Expanded)

XVII. **Leaching behavior of aluminum, copper, iron and zinc from cement activated fly ash and slag stabilized soils**

Mahedi M., Cetin B., Dayioglu A.

WASTE MANAGEMENT, cilt.95, ss.334-355, 2019 (SCI-Expanded)

XVIII. **Trace Metal Leaching from Steel Slag Used in Structural Fills**

Yalçın Dayiođlu A., Aydilek A. H., ÇİMEN Ö., ÇİMEN M.

JOURNAL OF GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING, cilt.144, sa.12, 2018 (SCI-Expanded)

XIX. **Methodology to evaluate hydraulic compatibility of geotextile and RCA in underdrain systems**

Abbaspour A., Tanyu B. E., Aydilek A. H., Dayioglu A.

GEOSYNTHETICS INTERNATIONAL, cilt.25, sa.1, ss.67-84, 2018 (SCI-Expanded)

XX. **Preventing Swelling and Decreasing Alkalinity of Steel Slags Used in Highway Infrastructures**

Dayioglu A., AYDILEK A. H., CETIN B.

TRANSPORTATION RESEARCH RECORD, sa.2401, ss.52-57, 2014 (SCI-Expanded)

Diđer Dergilerde Yayınlanan Makaleler

I. **ÇELİK CÜRUFLLARININ YOL DOLGU MALZEMESİ OLARAK KULLANIMINDA DRENAJ PERFORMANSININ SAYISAL ANALİZİ**

BAYIN SARIAHMETOĐLU A., KORKMAZ B., Hatipoglu M., Yalcin Dayioglu A.

Uludađ Üniversitesi Mühendislik Fakültesi Dergisi, cilt.28, sa.2, ss.537-550, 2023 (Hakemli Dergi)

II. **Comparative evaluation of mechanical performance of steel slag and earthen granular aggregates**

DAYIOĐLU A. Y., HATİPOĐLU M., A.

Journal of sustainable construction materials and technologies (Online), cilt.8, sa.1, ss.12-19, 2023 (Scopus)

III. **Long term filtration performance of recycled asphalt pavement material**

BAYIN A., İYİSAN R., YALÇIN DAYIOĐLU A., HATİPOĐLU M.

Pamukkale University Journal of Engineering Sciences, cilt.27, sa.6, ss.683-695, 2021 (ESCI)

Metrikler

Yayın: 39

Atıf (WoS): 250

Atıf (Scopus): 278

H-İndeks (WoS): 9

H-İndeks (Scopus): 10

Burslar

Dean's Fellowship, Üniversite, 2012 - Devam Ediyor

Ödüller

Yalçın Dayiođlu A., Outstanding Graduate Student Award, University of Maryland Graduate School, Mayıs 2015

Yalçın Dayiođlu A., Doctoral Fellowship, Geosynthetics Institute, Ağustos 2014

Yalçın Dayiođlu A., Distinguished Teaching Assistant Award, University of Maryland Center of Teaching Excellence, Haziran 2014