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Kişisel Bilgiler

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Publons / Web Of Science ResearcherID: ABA-1570-2020

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Eğitim Bilgileri

Doktora, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği (Dr), Türkiye 2017 - Devam Ediyor

Araştırma Alanları

İnşaat Mühendisliği , Yapı

Akademik Unvanlar / Görevler

Araştırma Görevlisi, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2014 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **A lattice modelling framework for fracture-induced acoustic emission wave propagation in concrete**
Zhou Y., AYDIN B. B., Zhang F., Hendriks M. A., Yang Y.
Engineering Fracture Mechanics, cilt.312, 2024 (SCI-Expanded)
- II. **Maximum Drift Demands of Earthquake Damaged Reinforced Concrete Columns Based on Residual Flexure Cracks**
AYDIN B. B., BİNİCİ B., AKTAŞ S. S., Hendriks M. A. N., TUNCAY K.
Bulletin of Earthquake Engineering, cilt.22, sa.8, ss.4055-4081, 2024 (SCI-Expanded)
- III. **Lattice modeling and testing of aerated autoclaved concrete infilled frames**
AYDIN B. B., BİNİCİ B., Hendriks M. A. N., TUNCAY K.
ENGINEERING STRUCTURES, cilt.251, 2022 (SCI-Expanded)
- IV. **Lattice simulation of concrete compressive behaviour as indirect tension failure**
AYDIN B. B., BİNİCİ B., TUNCAY K.
MAGAZINE OF CONCRETE RESEARCH, cilt.73, sa.8, ss.394-409, 2021 (SCI-Expanded)
- V. **Transmission dynamics of Covid-19 in Italy, Germany and Turkey considering social distancing, testing and quarantine**
GÜL S., TUNCAY K., BİNİCİ B., AYDIN B. B.
JOURNAL OF INFECTION IN DEVELOPING COUNTRIES, cilt.14, sa.7, ss.713-720, 2020 (SCI-Expanded)

VI. Simulation of Reinforced Concrete Member Response Using Lattice Model

Aydın B. B., Tuncay K., Binici B.

JOURNAL OF STRUCTURAL ENGINEERING, cilt.145, 2019 (SCI-Expanded)

VII. Overlapping Lattice Modeling for concrete fracture simulations using sequentially linear analysis

Aydın B. B., Tuncay K., Binici B.

STRUCTURAL CONCRETE, cilt.19, ss.568-581, 2018 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

I. Simulation of elastic wave propagation with lattice model

Zhou Y., Aydın B. B., Yang Y.

Special Issue of e-Journal of Nondestructive Testing (eJNDT), cilt.29, sa.10, ss.1-8, 2024 (Düzenli olarak gerçekleştirilen hakemli kongrenin bildiri kitabı)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. LATTICE APPROACH FOR NONLINEAR ANALYSIS FOR REINFORCED CONCRETE FRAMES

AYDIN B. B., TUNCAY K., BİNİCİ B.

5th INTERNATIONAL CONFERENCE ON EARTHQUAKE ENGINEERING AND SEISMOLOGY, 8 - 11 Kasım 2019

II. Overlapping Lattice Approach for Nonlinear Analysis of Reinforced Concrete Columns

AYDIN B. B., TUNCAY K., BİNİCİ B.

13th International Congress on Advances in Civil Engineering, İzmir, Türkiye, 12 - 14 Eylül 2018

III. Overlapping Lattice Simulation of Concrete Gravity Dam Collapse Simulations

SOYSAL B. F., AYDIN B. B., TUNCAY K., ARICI Y., BİNİCİ B.

COMPDYN 6th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, 15 - 17 Haziran 2017

IV. EFFECT OF DOUBLE-SLOTTED BEAMS ON THE FRAME BEHAVIOR

ALDEMİR A., AYDIN B. B.

17. International Scientific Conference, 8 - 09 Haziran 2017

V. Overlapping Lattice Model for Concrete Fracture Simulations

AYDIN B. B., TUNCAY K., BİNİCİ B.

12th International Conference on Advances in Civil Engineering, 21 - 23 Eylül 2016

VI. Overlapping Lattice Model for Fracture Initiation and Propagation

AYDIN B. B., TUNCAY K., BİNİCİ B.

First International Conference on Natural Hazards and Infrastructure, Chania, Yunanistan, 28 - 30 Temmuz 2016

Metrikler

Yayın: 14

Atf (WoS): 39

Atf (Scopus): 41

H-İndeks (WoS): 4

H-İndeks (Scopus): 4