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Kişisel Bilgiler

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ScopusID: 8219068500
Yoksis Araştırmacı ID: 111552

Araştırma Alanları

Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Doç.Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Mühendislik Bilimleri Bölümü, 2020 - Devam Ediyor
Doç.Dr., Ted Üniversitesi, Mühendislik Ve Mimarlık Fakültesi, İnşaat Mühendisliği Bölümü, 2014 - 2020
Doç.Dr., Middle East Technical University, Engineering Faculty, Civil Engineering, 2013 - 2014
Yrd.Doç.Dr., Middle East Technical University, Engineering Faculty, Civil Engineering, 2008 - 2013
Öğretim Görevlisi, Middle East Technical University, Engineering Faculty, Civil Engineering, 2007 - 2008
Öğretim Görevlisi, Middle East Technical University, Engineering Faculty, Civil Engineering, 2006 - 2007

Verdiği Dersler

Engineering Mechanics I, Lisans, 2020 - 2021
Computing Methods in Engineering, Lisans, 2020 - 2021

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **1D reference V-S profiles compatible with ground-motion prediction equations developed for Turkey**
ERTUĞRUL Z.
BULLETIN OF EARTHQUAKE ENGINEERING, cilt.21, sa.4, ss.1775-1792, 2023 (SCI-Expanded)
- II. **On how the ergodic assumption influences seismic risk**
Cagnan Z.
BULLETIN OF EARTHQUAKE ENGINEERING, cilt.19, sa.1, ss.1-25, 2021 (SCI-Expanded)
- III. **Assessment of Aleatory and Epistemic Uncertainty for Ground-Motion Intensity Measure Prediction in Turkey**
Cagnan Z., Akkar S.
BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA, cilt.109, sa.1, ss.263-283, 2019 (SCI-Expanded)
- IV. **Seismic behaviour of the old-type gravity load designed deteriorated RC buildings in Cyprus**

- Safkan I., Sensoy S., Cagnan Z.
ENGINEERING FAILURE ANALYSIS, cilt.82, ss.198-207, 2017 (SCI-Expanded)
- V. A model for predicting vertical component peak ground acceleration (PGA), peak ground velocity (PGV), and 5% damped pseudospectral acceleration (PSA) for Europe and the Middle East
Cagnan Z., Akkar S., Kale O., SANDIKKAYA M. A.
BULLETIN OF EARTHQUAKE ENGINEERING, cilt.15, sa.7, ss.2617-2643, 2017 (SCI-Expanded)
- VI. Numerical models for the seismic assessment of St. Nicholas Cathedral, Cyprus
Cagnan Z.
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, cilt.39, ss.50-60, 2012 (SCI-Expanded)
- VII. A Predictive Ground-Motion Model for Turkey and Its Comparison with Recent Local and Global GMPEs
Cagnan Z., Akkar S., Guelkan P.
EARTHQUAKE DATA IN ENGINEERING SEISMOLOGY: PREDICTIVE MODELS, DATA MANAGEMENT AND NETWORKS, cilt.14, ss.39-52, 2011 (SCI-Expanded)
- VIII. A Local Ground-Motion Predictive Model for Turkey, and Its Comparison with Other Regional and Global Ground-Motion Models
Akkar S., Cagnan Z.
BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA, cilt.100, sa.6, ss.2978-2995, 2010 (SCI-Expanded)
- IX. Rapid earthquake hazard and loss assessment for Euro-Mediterranean region
Erdik M., Sesetyan K., Demircioglu M., Hancilar U., Zulfikar C., Cakti E., Kamer Y., Yenidogan C., Tuzun C., Cagnan Z., et al.
ACTA GEOPHYSICA, cilt.58, sa.5, ss.855-892, 2010 (SCI-Expanded)
- X. The recently compiled Turkish strong motion database: preliminary investigation for seismological parameters
Akkar S., Cagnan Z., Yenier E., Erdogan O., Sandikkaya M. A., Gulkam P.
JOURNAL OF SEISMOLOGY, cilt.14, sa.3, ss.457-479, 2010 (SCI-Expanded)
- XI. Seismic hazard assessment for Cyprus
Cagnan Z., Tanircan G.
JOURNAL OF SEISMOLOGY, cilt.14, sa.2, ss.225-246, 2010 (SCI-Expanded)
- XII. Development of earthquake lossmap for Europe
Cagnan Z., ŞEŞETYAN K., Zulfikar C., DEMİRCİOĞLU M. B., Karipas C., Durukal E., Erdik M.
JOURNAL OF EARTHQUAKE ENGINEERING, cilt.12, ss.37-47, 2008 (SCI-Expanded)
- XIII. A comparative study of European earthquake loss estimation tools for a scenario in Istanbul
Strasser F. O., Bommer J. J., Şeşetyan K., Erdik M. Ö., Cagnan Z., Irizarry J., Goula X., Lucantoni A., Sabetta F., Bal I. E., et al.
JOURNAL OF EARTHQUAKE ENGINEERING, cilt.12, ss.246-256, 2008 (SCI-Expanded)
- XIV. Optimizing scheduling of post-earthquake electric power restoration tasks
Xu N., Guikema S. D., Davidson R. A., Nozick L. K., Cagnan Z., Vaziri K.
EARTHQUAKE ENGINEERING & STRUCTURAL DYNAMICS, cilt.36, sa.2, ss.265-284, 2007 (SCI-Expanded)
- XV. Post-earthquake restoration planning for Los Angeles electric power
Cagnan Z., Davidson R. A., Guikema S. D.
EARTHQUAKE SPECTRA, cilt.22, sa.3, ss.589-608, 2006 (SCI-Expanded)

Düzen Dergilerde Yayınlanan Makaleler

- I. Discrete event simulation of the post-earthquake restoration process for electric power systems
ERTUĞRUL Z., Davidson R. A.
International Journal of Risk Assessment and Management, cilt.7, sa.8, ss.1138-1156, 2007 (Scopus)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **SENSITIVITY ANALYSIS FOR DERIVATION OF 1D VS PROFILES USING INVERSE QUARTER-WAVELENGTH THEORY**
Ozisin M., ERTUĞRUL Z.
9th ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, COMPDYN 2023, Athens, Yunanistan, 12 - 14 Haziran 2023
- II. **Advantages of industry-academia partnerships for the development of professional competences in civil engineering**
Akan O. D., Bilgin G., ERTUĞRUL Z.
10th International Symposium on Project Approaches in Engineering Education, PAEE 2018 and 15th Active Learning in Engineering Education Workshop, ALE 2018, Brasilia, Brezilya, 28 Şubat - 02 Mart 2018, cilt.8, ss.90-98
- III. **Single station sigma for Turkish strong motion stations**
ERTUĞRUL Z., Akkar S.
6th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, COMPDYN 2017, Rhodes Island, Yunanistan, 15 - 17 Haziran 2017, cilt.2, ss.4527-4545
- IV. **Dynamic response of a gothic cathedral in Cyprus**
ERTUĞRUL Z., Chrysostomou C. Z., Kyriakides N., Votsis R. A.
5th ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, COMPDYN 2015, Hersonissos, Crete, Yunanistan, 25 - 27 Mayıs 2015, ss.3726-3738
- V. **Computer modelling and seismic performance assessment of a byzantine basilica**
ERTUĞRUL Z.
3rd International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, COMPDYN 2011, Corfu, Yunanistan, 25 - 28 Mayıs 2011
- VI. **Seismic hazard of Eastern Mediterranean region**
ERTUĞRUL Z., Akkar S.
9th US National and 10th Canadian Conference on Earthquake Engineering 2010, Including Papers from the 4th International Tsunami Symposium, Toronto, Kanada, 25 - 29 Temmuz 2010, cilt.4, ss.3251-3260
- VII. **Optimization of crews in post-earthquake electric power restoration**
Guikema S., Xu N., Davidson R., Nozick L., ERTUĞRUL Z.
8th US National Conference on Earthquake Engineering 2006, San Francisco, CA, Amerika Birleşik Devletleri, 18 - 22 Nisan 2006, cilt.7, ss.3727-3736
- VIII. **Efficient simulation-based discrete optimization**
Guikema S., Davidson R., Cagnan Z.
Winter Simulation Conference 2004, Washington, Kiribati, 5 - 08 Aralık 2004, ss.536-544
- IX. **Post-Earthquake Lifeline Service Restoration Modeling**
ERTUĞRUL Z., Davidson R.
Proceedings of the Sixth U.S. Conference and Workshop on Lifeline Earthquake Engineering, Long Beach, CA, Amerika Birleşik Devletleri, 10 - 13 Ağustos 2003, ss.255-264

Bilimsel Hakemlikler

- ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, SCI-E Kapsamındaki Dergi, Ekim 2023
- SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, SCI Kapsamındaki Dergi, Temmuz 2023
- JOURNAL OF INFRASTRUCTURE SYSTEMS, SCI-E Kapsamındaki Dergi, Eylül 2022
- SEISMOLOGICAL SOCIETY OF AMERICA. BULLETIN, SCI Kapsamındaki Dergi, Haziran 2022
- JOURNAL OF INFRASTRUCTURE SYSTEMS, SCI-E Kapsamındaki Dergi, Haziran 2022
- JOURNAL OF INFRASTRUCTURE SYSTEMS, SCI-E Kapsamındaki Dergi, Nisan 2021
- ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, SCI-E Kapsamındaki Dergi,

Ocak 2021

Metrikler

Yayın: 27

Atıf (WoS): 433

Atıf (Scopus): 565

H-İndeks (WoS): 9

H-İndeks (Scopus): 10

Akademi Dışı Deneyim

Üçok Tasarım, Mimarlık ve Mühendislik Bürosu