

Prof. TANER UÇAR

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: P-9452-2019

ScopusID: 55150708000

Yoksis Researcher ID: 138686

Education Information

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Yapı (Dr), Turkey 2006 - 2011

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Yapı (YI) (Tezli), Turkey 2003 - 2006

Undergraduate, Dokuz Eylul University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Turkey 1998 - 2002

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Personal Evolution, Gönüllü/Görevli Olarak Deprem Sonrası, T.C. Cumhurbaşkanlığı İnsan Kaynakları Ofisi, 2023

Personal Evolution, Deprem FARKındalık Eğitim Programına Giriş, T.C. Cumhurbaşkanlığı İnsan Kaynakları Ofisi, 2023

Personal Evolution, Deprem İle İlgili Temel Bilgiler ve Türkiye'nin Depremselliği, T.C. Cumhurbaşkanlığı İnsan Kaynakları Ofisi, 2023

Personal Evolution, Deprem Öncesi, T.C. Cumhurbaşkanlığı İnsan Kaynakları Ofisi, 2023

Personal Evolution, Deprem Anı ve Sonrası, T.C. Cumhurbaşkanlığı İnsan Kaynakları Ofisi, 2023

Occupational Health and Safety, Temel İş Sağlığı ve Güvenliği Eğitimi Sertifikası, T.C. Dokuz Eylül Üniversitesi İş Sağlığı Araştırma ve Uygulama Merkezi (İSAMER), 2016

Personal Evolution, Editör ve Yazar 4. Eğitim Semineri, Ege Üniversitesi, 2015

Vocational Training, Deprem Mühendisliği: Esaslar ve Uygulamalar, Orta Doğu Teknik Üniversitesi, 2005

Vocational Course, SAP2000 Kurs Katılım Sertifikası, TMMOB İnşaat Mühendisleri Odası İzmir Şubesi, 2004

Dissertations

Doctorate, Betonarme binaların hasar görebilme olasılıklarının artımsal itme analizi esaslı yöntemle belirlenmesi, Dokuz Eylül University, Fen Bilimleri Enstitüsü, Yapı (Dr), 2011

Postgraduate, Yapı sistemlerinin doğrusal olmayan analizinde çözüm yöntemleri, Dokuz Eylül University, Fen Bilimleri Enstitüsü, Yapı (YI) (Tezli), 2005

Research Areas

Civil Engineering, Structural Engineering, Earthquake Engineering, Concrete Structures

Academic Titles / Tasks

Associate Professor, Dokuz Eylul University, Mimarlık Fakültesi, Mimarlık Bölümü, 2018 - Continues

Assistant Professor, Dokuz Eylul University, Mimarlık Fakültesi, Mimarlık Bölümü, 2013 - 2018

Research Assistant, Dokuz Eylul University, Mimarlık Fakültesi, Mimarlık Bölümü, 2003 - 2013

Courses

YAPI STATİĞİ, Undergraduate, 2022 - 2023, 2021 - 2022

MUKAVEMET, Undergraduate, 2021 - 2022

DEPREME KARŞI YAPILARIN MİMARİ TASARIM İLKELERİ, Undergraduate, 2021 - 2022, 2019 - 2020, 2018 - 2019

M.SC. THESIS, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

MATEMATİK, Undergraduate, 2022 - 2023, 2021 - 2022

Ph.D. Seminar, Doctorate, 2022 - 2023

PH.D. RESEARCH, Doctorate, 2022 - 2023, 2021 - 2022

M.SC. RESEARCH, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

M.SC. SEMINAR, Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2014 - 2015, 2013 - 2014

BETONARME I, Undergraduate, 2021 - 2022

STATİK, Undergraduate, 2022 - 2023, 2021 - 2022

BETONARME I, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013

MATEMATİK, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

MUKAVEMET, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013

YAPI STATİĞİ, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

STATİK, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

BETONARME DÖŞEMELERİN TASARIM İLKELERİ VE MİMARİDE UYGULAMALARI, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018

BETONARME II, Undergraduate, 2013 - 2014, 2012 - 2013

Advising Theses

UÇAR T., Investigation of structural systems in high-rise buildings in terms of architectural form and structural behavior, Postgraduate, E.KAYA(Student), 2021

Yeşilce Y., Uçar T., Investigation of nonlinear behavior of reinforced concrete frames with partially infilled walls, Postgraduate, O.ÖZTÜRKOĞLU(Student), 2016

Jury Memberships

Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, July, 2023

Doctorate, Doctorate, Dokuz Eylül Üniversitesi, May, 2023

Doctoral Examination, Doctoral Examination, Dokuz Eylül Üniversitesi, February, 2023
Doctorate, Doctorate, Dokuz Eylül Üniversitesi, November, 2022
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gebze Teknik Üniversitesi, January, 2022
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dokuz Eylül Üniversitesi, December, 2021
Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, July, 2021
Doctorate, Doctorate, Dokuz Eylül Üniversitesi, August, 2020
Post Graduate, Post Graduate, İzmir Katip Çelebi Üniversitesi, May, 2020
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dokuz Eylül Üniversitesi, February, 2020
Doctoral Examination, Doctoral Examination, Dokuz Eylül Üniversitesi, November, 2019
Post Graduate, Post Graduate, İzmir Katip Çelebi Üniversitesi, July, 2019
Post Graduate, Post Graduate, İzmir Katip Çelebi Üniversitesi, July, 2019
Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, June, 2019
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dokuz Eylül Üniversitesi, December, 2018
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Manisa Celal Bayar Üniversitesi, December, 2016
Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, June, 2016
Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, August, 2015
Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, August, 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Ductility demands for stiffness-degrading SDOF systems under pulse-like ground motions of the 2023 Pazarcık (Kahramanmaraş) earthquake**
Uçar T., Merter O.
BULLETIN OF EARTHQUAKE ENGINEERING, no.online, pp.1-18, 2024 (SCI-Expanded)
- II. **Input energy spectrum damping modification factors**
Merter O., Uçar T.
EARTHQUAKE AND STRUCTURES, vol.26, no.3, pp.219-228, 2024 (SCI-Expanded)
- III. **Distribution of near-fault input energy over the height of RC frame structures and its formulation**
UÇAR T.
STRUCTURAL ENGINEERING AND MECHANICS, vol.85, no.1, pp.55-64, 2023 (SCI-Expanded)
- IV. **Predictive Model for Constant-Ductility Energy Factor Spectra of Near- and Far-Fault Ground Motions Based on Gauss-Newton Algorithm**
UÇAR T., Merter O.
JOURNAL OF EARTHQUAKE ENGINEERING, vol.26, no.15, pp.7689-7714, 2022 (SCI-Expanded)
- V. **Derivation of yield force coefficient for RC frames considering energy balance and P-delta effects**
UÇAR T., Merter O.
STRUCTURAL ENGINEERING AND MECHANICS, vol.79, no.4, pp.429-439, 2021 (SCI-Expanded)
- VI. **An energy-based approach to determine the yield force coefficient of RC frame structures**
Merter O., UÇAR T.
EARTHQUAKES AND STRUCTURES, vol.21, no.1, pp.43-55, 2021 (SCI-Expanded)
- VII. **Influence of infill walls on modal expansion of distribution of effective earthquake forces in RC frame structures**
Uçar T.
EARTHQUAKES AND STRUCTURES, vol.18, no.4, pp.437-449, 2020 (SCI-Expanded)
- VIII. **Computing input energy response of MDOF systems to actual ground motions based on modal**

contributions

Uçar T.

EARTHQUAKES AND STRUCTURES, vol.18, no.2, pp.263-273, 2020 (SCI-Expanded)

- IX. **Effect of design spectral shape on inelastic response of RC frames subjected to spectrum matched ground motions**
Uçar T., Merter O.
STRUCTURAL ENGINEERING AND MECHANICS, vol.69, no.3, pp.293-306, 2019 (SCI-Expanded)
- X. **Derivation of energy-based base shear force coefficient considering hysteretic behavior and P-delta effects**
Uçar T., Merter O.
EARTHQUAKE ENGINEERING AND ENGINEERING VIBRATION, vol.17, no.1, pp.149-163, 2018 (SCI-Expanded)
- XI. **An Analytical Research on Determination of Beam and Column Contribution to Plastic Energy Dissipation of RC Frames**
Merter O., Uçar T.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.42, no.9, pp.3761-3777, 2017 (SCI-Expanded)
- XII. **Energy-based design base shear for RC frames considering global failure mechanism and reduced hysteretic behavior**
Merter O., Uçar T.
STRUCTURAL ENGINEERING AND MECHANICS, vol.63, no.1, pp.23-35, 2017 (SCI-Expanded)
- XIII. **Determination of earthquake safety of RC frame structures using an energy-based approach**
Merter O., Uçar T., Duzgun M.
COMPUTERS AND CONCRETE, vol.19, no.6, pp.689-699, 2017 (SCI-Expanded)
- XIV. **Effect of masonry infill walls with openings on nonlinear response of reinforced concrete frames**
Öztürkoğlu O., Uçar T., Yeşilce Y.
EARTHQUAKES AND STRUCTURES, vol.12, no.3, pp.333-347, 2017 (SCI-Expanded)
- XV. **Evaluation of Performance Levels of RC Frames Using Plastic Energy Demand and Interstory Drift Ratio Concepts**
Merter O., Uçar T.
ADVANCES IN STRUCTURAL ENGINEERING, vol.18, no.10, pp.1747-1761, 2015 (SCI-Expanded)
- XVI. **Determination of lateral strength and ductility characteristics of existing mid-rise RC buildings in Turkey**
Uçar T., Merter O., Duzgun M.
COMPUTERS AND CONCRETE, vol.16, no.3, pp.467-485, 2015 (SCI-Expanded)
- XVII. **Design of RC frames for pre-selected collapse mechanism and target displacement using energy-balance**
Merter O., Uçar T.
SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, vol.39, no.3, pp.637-657, 2014 (SCI-Expanded)
- XVIII. **Seismic assessment of R/C residential buildings with infill walls in Turkey**
Korkmaz K. A., Kayhan A. H., Uçar T.
COMPUTERS AND CONCRETE, vol.12, no.5, pp.681-695, 2013 (SCI-Expanded)
- XIX. **Derivation of Analytical Fragility Curves for RC Buildings Based on Nonlinear Pushover Analysis**
Uçar T., Duzgun M.
TEKNIK DERGI, vol.24, no.3, pp.6421-6446, 2013 (SCI-Expanded)
- XX. **A study on determination of target displacement of RC frames using PSV spectrum and energy-balance concept**
Uçar T., Merter O., Duzgun M.
STRUCTURAL ENGINEERING AND MECHANICS, vol.41, no.6, pp.759-773, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. **Lateral strength-based seismic evaluation of an unreinforced masonry building**
Vatansever Erol N., Orhon A. V., Uçar T.
European Journal of Engineering and Natural Sciences, vol.7, no.1, pp.5-12, 2022 (Peer-Reviewed Journal)
- II. **An Investigation on Plan and Facade Characteristics of High-Rise Buildings**
Kaya E., Uçar T.
European Journal of Engineering and Natural Sciences, vol.7, no.1, pp.25-29, 2022 (Peer-Reviewed Journal)
- III. **Inelastic Input Energy Spectra of Far-Fault Ground Motions: Influence of Hysteresis Model**
Merter O., Uçar T.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.40, no.3, pp.593-609, 2022 (ESCI)
- IV. **Investigating the Influence of Infill Walls on Modal Contribution Factors**
Uçar T.
Karaelmas Fen ve Mühendislik Dergisi, vol.10, no.1, pp.32-43, 2020 (Peer-Reviewed Journal)
- V. **Influence of Opening Ratio and Position in Infill Wall on Constitutive Law of Equivalent Compression Strut**
Öztürkoğlu O., Uçar T.
European Journal of Engineering and Natural Sciences, vol.3, no.2, pp.57-64, 2019 (Peer-Reviewed Journal)
- VI. **Hysteretic Energy Demand in SDOF Structures Subjected to an Earthquake Excitation: Analytical and Empirical Results**
Uçar T., Merter O.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.22, no.2, pp.364-374, 2018 (Peer-Reviewed Journal)
- VII. **Influence of Constitutive Law of Compressive Strut on Nonlinear Static Analysis of Infilled Reinforced Concrete Frames with Openings**
Uçar T., Öztürkoğlu O.
Karaelmas Fen ve Mühendislik Dergisi, vol.8, no.1, pp.227-241, 2018 (Peer-Reviewed Journal)
- VIII. **An Investigation of Damping Ratio Effect on Earthquake Energy Input**
Merter O., Uçar T.
Usak University Journal of Engineering Sciences, vol.1, no.1, pp.8-18, 2018 (Peer-Reviewed Journal)
- IX. **Seismic design of structures based on plastic energy balance**
Merter O., Uçar T.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.24, no.3, pp.350-361, 2018 (ESCI)
- X. **Determination of energy-based base shear for ideal collapse mechanism**
Merter O., Uçar T.
Dicle Üniversitesi Mühendislik Fakültesi Mühendislik Dergisi, vol.7, no.3, pp.409-420, 2016 (Peer-Reviewed Journal)
- XI. **Betonarme Yapılarda Dolgu Duvar-Çerçeve Etkileşiminin İncelenmesi**
Öztürkoğlu O., Uçar T., Yeşilce Y.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.17, no.3, pp.109-121, 2015 (Peer-Reviewed Journal)
- XII. **Determination of Plastic Energy Demands of Reinforced Concrete Frames under Code Specific Earthquake Levels**
Uçar T., Merter O.
Gümüşhane Üniversitesi Fen Bilimleri Dergisi, vol.5, no.2, pp.101-113, 2015 (Peer-Reviewed Journal)
- XIII. **Effects of Longitudinal Reinforcement Ratio, Transverse Reinforcement Spacing and Axial Load on the Inelastic Energy Consumption of Reinforced Concrete Sections**
Merter O., Uçar T.
ENGINEERING SCIENCES, vol.4, no.1, pp.21-39, 2015 (Peer-Reviewed Journal)
- XIV. **Investigation of the Effects of Shear Walls Installed Within the Frame Plane on Structural Characteristics of R/C Buildings**
Uçar T., Toumatari S. G., Ertutar Y.

İleri Teknoloji Bilimleri Dergisi, vol.3, no.1, pp.56-68, 2014 (Peer-Reviewed Journal)

- XV. **A comparative study on nonlinear static and dynamic analysis of RC frame structures**
Merter O., Uçar T.
Journal of Civil Engineering and Science, vol.2, no.3, pp.155-162, 2013 (Peer-Reviewed Journal)
- XVI. **Investigation of Elastic Buckling Behaviour of Compression Memeber in X Braced Steel Systems**
Seçer M., Uçar T.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.15, no.1, pp.53-66, 2013 (Peer-Reviewed Journal)
- XVII. **A Study on Lineer Elastic Methods Used for Seismic Analysis of Buildings**
Uçar T., Merter O.
Ordu Üniversitesi Bilim ve Teknoloji Dergisi, vol.2, no.2, pp.15-31, 2012 (Peer-Reviewed Journal)
- XVIII. **An Investigation of Effect of Slenderness Ratio on Failure Behaviour of Sidesway Existing Reinforced Concrete Frames by Nonlinear and Energy Based Methods**
Uçar T., Merter O.
SDÜ Mühendislik Bilimleri ve Tasarım Dergisi, vol.2, no.1, pp.13-25, 2012 (Peer-Reviewed Journal)
- XIX. **Hasargörebilirlik Eğrilerinin İstatistiksel İfadesi ve Binalarda Depremde Oluşabilecek Hasar Seviyelerinin Tahmininde Kullanımı**
Uçar T., Düzgün M.
TMMOB İnşaat Mühendisleri Odası İzmir Şubesi Yayın Organı, vol.163, pp.22-26, 2012 (Non Peer-Reviewed Journal)
- XX. **The effect of sway displacements on the energy-based design of steel frames**
Merter O., Uçar T., Düzgün M.
Dicle Üniversitesi Mühendislik Fakültesi, vol.2, no.2, pp.67-78, 2011 (Peer-Reviewed Journal)
- XXI. **A Simplified Approach for Static Analysis of Arches**
Uçar T., Şakar G.
Dumlupınar Üniversitesi Fen Bilimleri Enstitüsü Dergisi, no.24, pp.35-42, 2011 (Peer-Reviewed Journal)
- XXII. **Evaluation of Earthquake Behavior of R/C Structures with Structural Irregularities**
Korkmaz K. A., Uçar T., Düzgün M.
Marmara Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.22, no.2, pp.123-138, 2010 (Peer-Reviewed Journal)
- XXIII. **Effect of Configuration of Shear Walls at Floor Plan to Earthquake Behavior of Shear Wall-Frame Reinforced Concrete Buildings**
Uçar T., Merter O.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.11, no.2, pp.11-18, 2009 (Peer-Reviewed Journal)
- XXIV. **Seismic Performance Assessment of Reinforced Concrete Structures**
Uçar T., Düzgün M.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.9, no.2, pp.63-76, 2007 (Peer-Reviewed Journal)
- XXV. **Effects of Soft Story Irregularity to Earthquake Behavior of R/C Structures**
Korkmaz K. A., Uçar T.
Uludağ Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.11, no.2, pp.65-76, 2006 (Peer-Reviewed Journal)
- XXVI. **Effect of Infill Walls in Earthquake Behavior of R/C Structures**
Korkmaz K. A., Uçar T.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.8, no.1, pp.101-108, 2006 (Peer-Reviewed Journal)

Books & Book Chapters

- 1. Effect of Kinematic Hardening and Ductility Ratio on Inelastic Input Energy Spectra of Near-Fault Ground Motions**

Uçar T., Merter O.

in: Energy-Based Seismic Engineering, Benavent-Climent Amadeo, Mollaioli Fabrizio, Editor, Springer Nature, Zug, pp.117-131, 2021

Refereed Congress / Symposium Publications in Proceedings

- I. **An Investigation on The Elastic Input Energy Spectra of 2023 Kahramanmaraş, Türkiye Earthquake**
Merter O., Uçar T.
3rd International Civil Engineering and Architecture Conference (ICEARC'23), Trabzon, Turkey, 12 - 14 October 2023, pp.1305-1315
- II. **Inelastic Displacement Ratios for Pulse-Like Ground Motions Recorded During The 2023 Pazarcık (Kahramanmaraş) Earthquake**
Uçar T., Merter O.
3rd International Civil Engineering and Architecture Conference (ICEARC'23), Trabzon, Turkey, 12 - 14 October 2023, pp.1435-1442
- III. **Influence of re-entrant corner irregularity on free vibration response of L-shaped buildings**
Türkoğulları B., Uçar T.
8th International European Conference on Interdisciplinary Scientific Research, Rome, Italy, 13 - 15 July 2023, pp.441-449
- IV. **Lateral strength-based seismic evaluation of an unreinforced masonry building**
Vatansever Erol N., Orhon A. V., Uçar T.
8th International Conference on Engineering and Natural Sciences (ICENS 2022), İstanbul, Turkey, 18 - 22 May 2022, pp.5-12
- V. **An Investigation on Plan and Facade Characteristics of High-Rise Buildings**
Kaya E., Uçar T.
8th International Conference on Engineering and Natural Sciences (ICENS 2022), İstanbul, Turkey, 18 - 22 May 2022, pp.24-28
- VI. **Estimation of energy modification factors for SDOF systems subjected to pulse-like ground motions**
Uçar T., Merter O.
6th International Conference on Earthquake and Engineering Conference (6ICEES), Kocaeli, Turkey, 13 October 2021
- VII. **Inelastic strength and ductility demand of Mw 6.9 Samos Island (Aegean Sea) Earthquake**
Uçar T., Merter O.
6th International Conference on Earthquake and Engineering Conference (6ICEES), Kocaeli, Turkey, 13 October 2021
- VIII. **Influence of Viscous Damping on Inelastic Acceleration Spectra of Near-fault Pulse-like Ground Motions**
Uçar T.
3rd International Symposium of Engineering Applications on Civil Engineering and Earth Sciences (IEACES2021), Karabük, Turkey, 22 September 2021
- IX. **Comparative Evaluation of the 100 Tallest Completed Buildings in the World and Turkey**
Kaya E., Uçar T.
3rd International Symposium of Engineering Applications on Civil Engineering and Earth Sciences (IEACES2021), Karabük, Turkey, 22 September 2021
- X. **Yield shear force coefficient for RC frames based on energy balance concept**
Uçar T., Merter O.
14th International Congress on Advances in Civil Engineering (ACE 2020-21), İstanbul, Turkey, 06 September 2021
- XI. **Effect of Kinematic Hardening and Ductility Ratio on Inelastic Input Energy Spectra of Near-Fault Ground Motions**

Uçar T., Merter O.

1st International Workshop on Energy-Based Seismic Engineering, IWEBSE 2021, Madrid, Spain, 24 - 26 May 2021, pp.117-131

XII. İkinci Mertebe Etkilerin Akma Dayanımı Azaltma Katsayısına Etkisi

Uçar T., Merter O.

2nd International Symposium of Engineering Applications on Civil Engineering and Earth Sciences (IEACES2020), Karabük, Turkey, 23 - 25 September 2020, pp.254-264

XIII. Energy Modification Factor of Single-Degree-of-Freedom Systems Based on Real Ground Motion Records

Merter O., Uçar T.

2nd International Symposium of Engineering Applications on Civil Engineering and Earth Sciences (IEACES2020), Karabük, Turkey, 23 - 25 September 2020, pp.223-231

XIV. Yüksek Bina Taşıyıcı Sistemlerinin Gelişiminin ve Yapısal Tasarım Özelliklerinin İncelenmesi

Kaya E., Uçar T.

4. Çukurova Uluslararası Bilimsel Araştırmalar Kongresi, Adana, Turkey, 21 - 23 February 2020, pp.218-238

XV. Comparative Evaluation of Elastic Input Energy Spectra for Near-Fault and Far-Fault Earthquakes

Merter O., Uçar T.

International Civil Engineering and Architecture Conference 2019, Trabzon, Turkey, 17 - 20 April 2019

XVI. Ductility Effect on Inelastic Input Energy Spectra

Uçar T., Merter O.

13th International Congress on Advances in Civil Engineering, İzmir, Turkey, 12 - 14 September 2018

XVII. Elastic Stiffness Reduction Factors for Exterior and Interior Infill Walls with Openings

Uçar T., Öztürkoğlu O.

13th International Congress on Advances in Civil Engineering, İzmir, Turkey, 12 - 14 September 2018

XVIII. Nonlinear Seismic Response of Masonry-Infilled Reinforced Concrete Frames with Typical Window and Door Openings

Öztürkoğlu O., Uçar T.

4th International Conference on Engineering and Natural Sciences (ICENS 2018), Kyiv, Ukraine, 2 - 06 May 2018, pp.136-143

XIX. Ductility Reduction Factors of Inelastic SDOF Systems Subjected to Scaled and Spectrum-Matched Ground Motions

Uçar T.

3rd International Conference on Civil and Environmental Engineering, İzmir, Turkey, 24 - 27 April 2018, pp.407-417

XX. Doğrusal Olmayan Tek Serbestlik Dereceli Sisteme Giren Enerjinin Periyot ve Süneklilik Oranına Bağlı Değişimi

Uçar T., Merter O.

4. Uluslararası Deprem Mühendisliği ve Sismoloji Konferansı (4. UDMSK), Eskişehir, Turkey, 11 - 13 October 2017

XXI. Influence of Opening Ratio and Position in Infill Wall on Constitutive Law of Equivalent Compression Strut

Öztürkoğlu O., Uçar T.

3rd International Conference on Engineering and Natural Science (ICENS 2017), Budapest, Hungary, 3 - 07 May 2017

XXII. Effect of Partial Openings in Infill Wall to Nonlinear Behavior of Reinforced Concrete Frames

Öztürkoğlu O., Uçar T., Yeşilce Y.

12th International Congress on Advances in Civil Engineering (ACE 2016), İstanbul, Turkey, 21 - 23 September 2016, pp.1-8

XXIII. Dynamic Response of RC Frames Subjected to Scaled Earthquake Records Compatible with Different Design Acceleration Spectra

Merter O., Uçar T.

12th International Congress on Advances in Civil Engineering (ACE 2016), İstanbul, Turkey, 21 - 23 September

2016

- XXIV. **Betonarme Çerçevelerin Deprem Tasarımında Farklı Analiz Esaslı Büyüklüklerin Karşılaştırılması**
Uçar T., Merter O.
International Symposium on Natural Hazards and Hazard Management 2016 (DAAYS'2016), Karabük, Turkey, 2 - 04 March 2016, pp.62-67
- XXV. **Betonarme Çerçevelerin Deprem Hesabında Tasarım İvme Spektrumu Uyumlu Dinamik Yöntemlerin Karşılaştırılması**
MERTER O., UÇAR T.
3. Türkiye Deprem Mühendisliği ve Sismoloji Konferansı, İzmir, Turkey, 14 - 16 October 2015
- XXVI. **Gerçek Depremlerin Ölçeklenmiş Kayıtlarına Ait Tepki Spektrumlarının Farklı Tasarım İvme Spektrumları İle Uyuşumunun Araştırılması**
UÇAR T., MERTER O.
3. Türkiye Deprem Mühendisliği ve Sismoloji Konferansı, İzmir, Turkey, 14 - 16 October 2015
- XXVII. **Kısmi Boşluklu Dolgu Duvarların Betonarme Çerçevelerin Serbest ve Zorlanmış Titreşimine Etkisinin Araştırılması**
ÖZTÜRKOĞLU O., UÇAR T.
3. Türkiye Deprem Mühendisliği ve Sismoloji Konferansı, İzmir, Turkey, 14 - 16 October 2015
- XXVIII. **Kısmi Boşluklu Dolgu Duvarların Betonarme Binaların Deprem Davranışına Etkisinin İncelenmesi**
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- XXIX. **Betonarme Çerçeve Yapıların Gerçek Depremlere Ait İvme Kayıtları ile Doğrusal Olmayan Dinamik Analizi**
Merter O., Uçar T., Bozdağ Ö., Düzgün M., Korkmaz K. A.
2. Türkiye Deprem Mühendisliği ve Sismoloji Konferansı, Hatay, Turkey, 25 - 27 September 2013, pp.1-8
- XXX. **Beton Sınıfının Yapı Performans Seviyesine Etkisi**
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7. Ulusal Beton Kongresi Beton Teknolojisinde Gelişmeler ve Uygulamalar, İstanbul, Turkey, 28 - 30 November 2007, pp.333-341
- XXXI. **Yumuşak Kat Düzensizliğinin ve Dolgu Duvarların Betonarme Binaların Deprem Davranışına Etkileri**
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- XXXII. **Betonarme Yapıların Performansa Bağlı Analizi**
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INTERNATIONAL JOURNAL OF CIVIL ENGINEERING, Journal Indexed in SCI-E, October 2015
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Metrics

Publication: 79
Citation (WoS): 95
Citation (Scopus): 100
H-Index (WoS): 6
H-Index (Scopus): 7

Congress and Symposium Activities

3rd International Civil Engineering and Architecture Conference (ICEARC'23), Attendee, Trabzon, Turkey, 2023
8th International Conference on Engineering and Natural Sciences (ICENS 2022), Attendee, İstanbul, Turkey, 2022
8th International Conference on Engineering and Natural Sciences (ICENS 2022), Session Moderator, İstanbul, Turkey, 2022
6th International Conference on Earthquake Engineering and Seismology, Attendee, Kocaeli, Turkey, 2021
3rd International Symposium of Engineering Applications on Civil Engineering and Earth Sciences (IEACES2021),

Attendee, Karabük, Turkey, 2021

14th International Congress On Advances in Civil Engineering, Attendee, İstanbul, Turkey, 2021

2nd International Symposium of Engineering Applications on Civil Engineering and Earth Sciences 2020, Attendee, Karabük, Turkey, 2020

International Civil Engineering & Architecture Conference, Attendee, Trabzon, Turkey, 2019

13th International Congress On Advances in Civil Engineering, Attendee, İzmir, Turkey, 2018

4th International Conference on Engineering and Natural Sciences, Attendee, Kyiv, Ukraine, 2018

3. International Conference on Civil and Environmental Engineering (ICOCEE), Attendee, İzmir, Turkey, 2018

4th ICEES-International Earthquake Engineering and Seismology Conference, Attendee, Eskişehir, Turkey, 2017

3rd International Conference on Engineering and Natural Sciences, Attendee, Budapest, Hungary, 2017

12th International Congress On Advances in Civil Engineering, Attendee, İstanbul, Turkey, 2016

International Symposium on Natural Hazards and Hazard Management 2016, Attendee, Karabük, Turkey, 2016

Awards

Uçar T., Merter O., TÜBİTAK Bilimsel Yayınları Teşvik Ödülü, Tübitak, December 2020

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