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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: P-9999-2015

ScopusID: 55949052000

Yoksis Researcher ID: 106192

Education Information

Doctorate, Istanbul Technical University, Deprem Mühendisliği Ve Afet Yönetimi Enstitüsü, Deprem Mühendisliği (Dr), Turkey 2003 - 2011

Postgraduate, Yıldız Technical University, Faculty Of Civil Engineering, Civil Engineering Department, Turkey 2001 - 2003

Undergraduate, Yıldız Technical University, Faculty Of Civil Engineering, Civil Engineering Department, Turkey 1996 - 2000

Foreign Languages

English

Dissertations

Doctorate, An adaptive 3-D pushover procedure for determining the capacity of existing irregular reinforced concrete (RC) buildings, İstanbul Teknik Üniversitesi, Deprem Mühendisliği Ve Afet Yönetimi Enstitüsü, Deprem Mühendisliği (Dr), 2011

Postgraduate, Deprem etkisi altındaki tek serbestlik dereceli yapılarda P-delta etkileri, Yıldız Teknik Üniversitesi, İnşaat Fakültesi, İnşaat Mühendisliği Bölümü, 2003

Research Areas

Technical Sciences, Civil Engineering, Structure, Performance of Constructed Facilities, Earthquake Engineering

Academic Titles / Tasks

Associate Professor, Istanbul Technical University, Afet Yönetimi Enstitüsü, Deprem Mühendisliği, 2018 - Continues
Lecturer PhD, Istanbul Technical University, Deprem Mühendisliği Ve Afet Yönetimi Enstitüsü, Deprem Mühendisliği, 2011 - 2018

Academic and Administrative Experience

Assistant Director of the Institute, Istanbul Technical University, Afet Yönetimi Enstitüsü, 2020 - Continues

Courses

Performance-Based Seismic Assessment and Design, Postgraduate, 2022 - 2023

Yapı Dinamiği, Postgraduate, 2022 - 2023

DEP510E, Postgraduate, 2022 - 2023

Structural Dynamics, Postgraduate, 2022 - 2023

Structural Analysis For Performance Based Earthquake Engineering, Postgraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Seismic Responses of Buildings after the M-w 6.8 Sivrice Earthquake in January 2020**
Oyguç R. A.
JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, vol.36, no.2, 2022 (SCI-Expanded)
- II. **Case study on seismic behavior of aseismically designed reinforced concrete frame structures**
Oyguç R. A., Oyguç E., TÖNÜK G.
BULLETIN OF EARTHQUAKE ENGINEERING, vol.16, no.7, pp.3057-3080, 2018 (SCI-Expanded)
- III. **Seismic behavior of irregular reinforced-concrete structures under multiple earthquake excitations**
Oyguç R. A., Toros C., Abdelnaby A. E.
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.104, pp.15-32, 2018 (SCI-Expanded)
- IV. **2011 Van Earthquakes: Lessons from Damaged Masonry Structures**
Oyguç R. A., Oyguç E.
Journal of Performance of Constructed Facilities, vol.31, no.5, 2017 (SCI-Expanded)
- V. **Performance Assessment of Two Aseismically Designed RC School Buildings after the October 23, 2011, Van, Turkey Earthquake**
Oyguç R. A., GULEY E.
JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, vol.31, no.1, 2017 (SCI-Expanded)
- VI. **Seismic performance of buildings during 2011 Van earthquakes and rebuilding efforts**
Yazgan U., OYGUC R. A., ERGUVEN M. E., CELEP Z.
EARTHQUAKE ENGINEERING AND ENGINEERING VIBRATION, vol.15, no.3, pp.591-606, 2016 (SCI-Expanded)
- VII. **Seismic performance of RC school buildings after 2011 Van earthquakes**
Oyguç R. A.
BULLETIN OF EARTHQUAKE ENGINEERING, vol.14, no.3, pp.821-847, 2016 (SCI-Expanded)

Articles Published in Other Journals

- I. **A case study on an innovative seismic performance evaluation procedure for irregular RC buildings**
OYGUÇ R. A.
Frontiers in Built Environment, vol.8, 2022 (ESCI)
- II. **ÇOKLU DEPREM SERİLERİNİN DÜZENSİZ YAPILARIN SİSMİK DAVRANIŞINA ETKİLERİ**
OYGUÇ R. A., TOROS Ç.
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.27, pp.857-876, 2022 (Peer-Reviewed Journal)
- III. **The Disaster Situation of Van Province and Site Selection Practices in Disaster Housing**
Giyik C., Oyguç R. A., Aniktar S.

JOURNAL OF NATURAL HAZARDS AND ENVIRONMENT, vol.8, no.2, pp.178-195, 2022 (Peer-Reviewed Journal)

IV. Seismic Assessment of Damaged Buildings after 24 January 2020 Elazığ Earthquake

Oyguç R. A.

Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.11, no.1, pp.140-155, 2022 (Peer-Reviewed Journal)

V. 2011 Van depremlerinden sonra yığma yapılarda gözlemlenen hasarlar

OYGUÇ R. A.

Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.19, pp.296-315, 2017 (Peer-Reviewed Journal)

Books & Book Chapters

I. Post-Earthquake Risk-Based Decision Making Methodology for Turkish School Buildings

Yazgan U., Oyguç R. A.

in: Seismic Evaluation and Rehabilitation of Structures, Alper İlki, Michael N. Fardis, Editor, Springer-Verlag, Amsterdam, pp.37-45, 2014

II. Post-earthquake risk-based decision making methodology for Turkish school buildings.

YAZGAN U., OYGUÇ R. A.

in: Seismic Evaluation and Rehabilitation of Structures Geotechnical Geological and Earthquake Engineering, Alper İlki, Michael N. Fardis, Editor, Springer, pp.37-45, 2012

Supported Projects

Oyguç R. A., Project Supported by Higher Education Institutions, Capacity assessment of 3 dimensional RC structures under multiple earthquake excitations, 2015 - 2018

Oyguç R. A., Project Supported by Higher Education Institutions, Mevcut Düzensiz Betonarme Yapıların Sismik Kapasitelerinin 3 Boyutlu Uyarlamalı İtme Analizi Yöntemi İle Belirlenmesi, 2012 - 2018

Activities in Scientific Journals

Journal of Performance of Constructed Facilities, Evaluation Committee Member, 2016 - Continues

International Journal of Civil and Structural Engineering Research, Committee Member, 2014 - Continues

International Journal of Engineering Research and Reviews, Committee Member, 2014 - Continues

International Journal of Civil and Structural Engineering Research, Committee Member, 2014 - Continues

Applied and Computational Mathematics, Evaluation Committee Member, 2014 - Continues

Mathematics and Computer Science, Evaluation Committee Member, 2014 - Continues

Bulletin of Earthquake Engineering, Evaluation Committee Member, 2014 - Continues

American Journal of Software Engineering and Applications, Evaluation Committee Member, 2014 - Continues

Applied and Computational Mathematics, Evaluation Committee Member, 2014 - Continues

Advances in Structural Engineering, Evaluation Committee Member, 2014 - Continues

ACI Structural Journal, Evaluation Committee Member, 2014 - Continues

Scientific Refereeing

ACI Structural Journal, SCI Journal, January 2016

Advances in Structural Engineering, SCI Journal, January 2016

Applied and Computational Mathematics, SCI Journal, January 2015

Mathematics and Computer Science, Other journals, January 2015

American Journal of Software Engineering and Applications, SCI Journal, August 2014

Bulletin of Earthquake Engineering, SCI Journal, March 2014

Scientific Research / Working Group Memberships

Afet Risk Azaltma, İSTANBUL TEKNİK ÜNİVERSİTESİ, Turkey, calismagruplari.itu.edu.tr/deprem-muhendisligi-ve-afet-yonetimi-enstitusu/afet-risk-azaltma, 2015 - Continues

Metrics

Publication: 28

Citation (WoS): 35

Citation (Scopus): 41

H-Index (WoS): 4

H-Index (Scopus): 4

Congress and Symposium Activities

ECCOMAS 2016, European Congress on Computational Methods in Applied Sciences and Engineering, Attendee, Ródos, Greece, 2016

Prof. Dr. M. Hasan Bodurođlu Sempozyumu, Attendee, İstanbul, Turkey, 2016

3. Ulusal İşçi Sağlığı ve İş Güvenliği Sempozyumu, Attendee, Turkey, 2015

Seismic Risk of Historical Structures, Attendee, Turkey, 2014

EURODYN 2014: IX International Conference on Structural Dynamics, Attendee, Porto, Portugal, 2014

Fifth International Conference on Structural Engineering, Mechanics and Computation, SEMC 2013, Attendee, Cape Town, South Africa, 2013

ATINER 2013 3rd Annual International Conference on Civil Engineering, Attendee, Athína, Greece, 2013

15th World Conference on Earthquake Engineering, Attendee, Porto, Portugal, 2012

4th International Conference on Seismic Retrofitting, Attendee, Tehrân, Iran, 2011

U.S.-Iran-Turkey Seismic Workshop, Attendee, İstanbul, Turkey, 2010