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Personal Information

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Education Information

Post Doctorate, Tokyo University, Architecture And Building Engineering, Japan 2012 - 2013

Doctorate, Tohoku University, Architecture And Building Science, Japan 2003 - 2006

Postgraduate, Istanbul Technical University, İnşaat Fakültesi, İnşaat Mühendisliği Bölümü, Turkey 2000 - 2003

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

Foreign Languages

English

Dissertations

Postgraduate, Kompozit döşemelerde etkili tabla genişliğinin incelenmesi, İstanbul Teknik Üniversitesi, İnşaat Fakültesi, İnşaat Mühendisliği Bölümü, 2003

Doctorate, ENERGY BASED DESIGN OF A SYSTEM COMBINED OF DAMPER AND DISPLACEMENT CONTROLLER FOR SEISMICALLY EXCITED STRUCTURES, Tohoku University, Architecture And Building Science, 2003

Research Areas

Civil Engineering, Structure, Performance of Constructed Facilities, Earthquake Engineering, Concrete Structures, Repair and Strengthening in Buildings, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Istanbul Technical University, İnşaat Fakültesi, İnşaat Mühendisliği Bölümü, 2018 - Continues

Assistant Professor, Istanbul Technical University, İnşaat Fakültesi, İnşaat Mühendisliği Bölümü, 2015 - 2018

Research Assistant, Istanbul Technical University, Mimarlık Fakültesi, Mimarlık Bölümü, 2001 - 2014

Assistant Professor, Tokyo Büyükşehir Teknoloji Enstitüsü, Graduate School Of Engineering, Architecture And Building Science, 2012 - 2013

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Performance of high-damping rubber bearings for seismic isolation of residential buildings in Turkey**

Murota N., Suzuki S., Mori T., Wakishima K., Sadan B., Tuzun C., Sutcu F., Erdik M.

Soil Dynamics and Earthquake Engineering, vol.143, 2021 (Journal Indexed in SCI Expanded)

- II. **Composite behavior in RC buildings retrofitted using buckling-restrained braces with elastic steel frames**
Saingam P., Sütcü F., Terazawa Y., Fujishita K., Lin P., Celik O. C. , Takeuchi T.
ENGINEERING STRUCTURES, vol.219, 2020 (Journal Indexed in SCI)
- III. **Experimental and analytical studies of sub-standard RC frames retrofitted with buckling-restrained braces and steel frames**
Sütcü F., Bal A., Fujishita K., Matsui R., Celik O. C. , Takeuchi T.
BULLETIN OF EARTHQUAKE ENGINEERING, vol.18, no.5, pp.2389-2410, 2020 (Journal Indexed in SCI)
- IV. **Seismic retrofit design method for RC buildings using buckling-restrained braces and steel frames**
Sutcu F., TAKEUCHI T., MATSUI R.
JOURNAL OF CONSTRUCTIONAL STEEL RESEARCH, vol.101, pp.304-313, 2014 (Journal Indexed in SCI)
- V. **Out-of-plane stability of buckling-restrained braces including moment transfer capacity**
Takeuchi T., OZAKI H., MATSUI R., Sütcü F.
EARTHQUAKE ENGINEERING & STRUCTURAL DYNAMICS, vol.43, no.6, pp.851-869, 2014 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **RESPONSE EVALUATION OF BRB RETROFIT IN RC BUILDINGS BY CONSIDERING THE COMPOSITE EFFECT OF ELASTIC STEEL FRAME**
Kazuhiro F., Ryota M., SÜTCÜ F., Takeuchi T.
AIJ Journal of Technology and Design, vol.23, no.53, pp.147-152, 2017 (Refereed Journals of Other Institutions)
- II. **CYCLIC LOADING TESTS OF SUB STANDARD RC FRAMES RETROFITTED WITH BUCKLING RESTRAINED BRACES AND ELASTIC STEEL FRAMES**
FUJISHITA K., BAL A., SÜTCÜ F., RYOTA M., TERASHIMA M., ÇELİK O. C. , TAKEUCHI T.
Journal of Structural and Construction Engineering (Transactions of AIJ), vol.81, no.727, pp.1575-1584, 2016 (Refereed Journals of Other Institutions)
- III. **OPTIMIZATION OF DAMPER ARRANGEMENT WITH HYBRID GA USING ELASTO PLASTIC RESPONSE ANALYSIS ON SEISMIC RESPONSE CONTROL RETROFIT**
FUJISHITA K., SÜTCÜ F., RYOTA M., TAKEUCHI T.
Journal of Structural and Construction Engineering (Transactions of AIJ), vol.81, no.721, pp.537-546, 2016 (Refereed Journals of Other Institutions)
- IV. **ENERGY-DISSIPATION RETROFIT FOR TURKISH MULTISTORY RC BUILDING FOCUSING ON DAMAGE DISTRIBUTION**
Fujishita K., SÜTCÜ F., Ryota M., Takeuchi T.
Journal of Structural and Construction Engineering (Transactions of AIJ), vol.79, no.699, pp.661-669, 2014 (Refereed Journals of Other Institutions)

Supported Projects

Sütcü F., LAMPROPOULOS A., Project Supported by Higher Education Institutions, Improving Seismic Resilience of Reinforced Concrete Structures, 2019 - 2020

Sütcü F., Project Supported by Higher Education Institutions, Betonarme Çerçevelerin Burkulması Önlenmiş Çaprazlarla ve Elastik Çelik Çerçevelerle Güçlendirmesi Konusunda Çevrimsel Deneyler: Bölüm 1., 2016 - 2018

Sütcü F., Project Supported by Higher Education Institutions, Türkiye'deki Çok Katı Betonarme Yapılar İçin Enerji Sönümlenme Esaslı Güçlendirme Yöntemi, 2015 - 2018

Sütcü F., Project Supported by Higher Education Institutions, Mevcut Binaların Burkulması önlenmiş çaprazlarla güçlendirilmesine yönelik yeni bir eşdeğer doğrusal hesap yöntemi, 2013 - 2018

Sütcü F., Project Supported by Higher Education Institutions, Karma Yer Deęiřtirme Kontrol Cihazı ve Tasarım Metodu, 2012 - 2018

Sütcü F., Project Supported by Higher Education Institutions, Evaluation of Site Effects Using Recorded Data and Ground Motion Attenuation Relationship, 2011 - 2018

Sütcü F., Project Supported by Higher Education Institutions, TARİHİ YIĞMA DUVARLARDA FARKLI GÜÇLENDİRME METODLARININ DENEYSEL OLARAK KARŞILAŐTIRILMASI, 2010 - 2018

Sütcü F., Project Supported by Higher Education Institutions, ONE SIDE STRENGTHENİN OF MASONRY WALLS WITH GFRP, 2009 - 2018

Sütcü F., Project Supported by Higher Education Institutions, Yumuřak Katlar İin Geliřtirilmiř Bileřik Enerji Sönümlenme Sistemi, 2008 - 2018

Sütcü F., Project Supported by Higher Education Institutions, Analytical of a Combined Energy Dissipation system, 2007 - 2018

Citations

Total Citations (WOS):66

h-index (WOS):2