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Yoksis Araştırmacı ID: 3984

Eğitim Bilgileri

Doktora, The University of Texas at Austin, İnşaat Mühendisliği Bölümü, Amerika Birleşik Devletleri 1996 - 2000

Yüksek Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Türkiye 1989 - 1992

Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Türkiye 1984 - 1989

Yabancı Diller

İngilizce, C1 İleri

Yaptığı Tezler

Doktora, Performance of Elastomeric Bridge Bearings at Low Temperatures, The University Of Texas At Austin, İnşaat Mühendisliği Bölümü, 2000

Yüksek Lisans, Influence of structural nonuniformities on earthquake response, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 1992

Araştırma Alanları

Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2010 - Devam Ediyor

Doç. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2005 - 2010

Yrd. Doç. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2002 - 2005

Araştırma Görevlisi, The University of Texas at Austin, Mühendislik Fakültesi, İnşaat Mühendisliği, 1996 - 2000

Araştırma Görevlisi, Northeastern University, Mühendislik Fakültesi, İnşaat Mühendisliği, 1995 - 1996

Araştırma Görevlisi, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 1989 - 1995

Yönetilen Tezler

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- DİCLELİ M., YAKUT A., Dynamic simulation of shaking table tests for a shear-wall building having torsion, Yüksek Lisans, S.NAZİRZADEH(Öğrenci), 2012
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- YAKUT A., Çerçeve yapılarda itme analizi yöntemlerinin değerlendirilmesi, Yüksek Lisans, S.Oğuz(Öğrenci), 2005
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- III. **Performance-based design optimization of steel moment frames using capacity controlled search algorithm: a comparison with force-based design approach**
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- IV. **In-plane seismic performance of different infill wall systems in ductile reinforced concrete frames**
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- VIII. **Comparison of real and simulated records using ground motion intensity measures**
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- XIII. **Analysis of a multi-story reinforced concrete residential building damaged under its self-weight**
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- XIV. **In Situ Lateral Load Testing of a Two-Story Solid Clay Brick Masonry Building**

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- XV. **Evolution of seismic hazard maps in Turkey**
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- XVII. **Seismic damage assessment based on regional synthetic ground motion dataset: a case study for Erzincan, Turkey**
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- XVIII. **Assessment of Simulated Ground Motions for Their Use in Structural Engineering Practice; A Case Study for Duzce (Turkey)**
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- XIX. **Seismic Performance Assessment of Masonry Buildings Using In Situ Material Properties**
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- XX. **Lateral load testing of an existing two story masonry building up to near collapse**
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- XXI. **Assessment of alternative simulation techniques in nonlinear time history analyses of multi-story frame buildings: A case study**
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- XXII. **Provisions for the Seismic Risk Evaluation of Existing Reinforced Concrete Buildings in Turkey under the Urban Renewal Law**
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- XXIII. **Vehicle effects on seismic response of a simple-span bridge during shake tests**
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- XXIV. **Seismic Risk Prioritization and Retrofit Cost Evaluation of Code-Deficient RC Public Buildings in Turkey**
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- XXV. **Seismic performance of gravity-load designed concrete frames infilled with low-strength masonry**
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- XXVI. **Effective flexural rigidities for ordinary reinforced concrete columns and beams**
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- XXVII. **Performance limits for structural walls: An analytical perspective**
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- XXVIII. **Seismic risk prioritization of residential buildings in Istanbul**
YAKUT A., SUCUOĞLU H., Akkar S.
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- XXIX. **Deformation Limits for Structural Walls with Confined Boundaries**

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- XXX. **Seismic vulnerability assessment criteria for RC ordinary highway bridges in Turkey**
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- XXXI. **Analytical Fragility Curves for Ordinary Highway Bridges in Turkey**
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- XXXII. **Spectral Ground Motion Intensity Based on Capacity and Period Elongation**
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- XXXIII. **Correlation of Deformation Demands with Ground Motion Intensity**
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- XXXIV. **Service life assessment of existing highway bridges with no planned regular inspections**
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- XXXV. **Capacity related properties of RC frame buildings in Turkey**
YAKUT A.
JOURNAL OF EARTHQUAKE ENGINEERING, cilt.12, ss.265-272, 2008 (SCI-Expanded)
- XXXVI. **Component damage functions for reinforced concrete frame structures**
Erduran E., Yakut A.
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- XXXVII. **A screening procedure for seismic risk assessment in urban building stocks**
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- XXXVIII. **Vulnerability assessment of reinforced concrete moment resisting frame buildings**
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- XXXIX. **Seismic vulnerability assessment using regional empirical data**
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- XL. **Seismic response assessment of a stiff structure**
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- XLI. **Numerical simulation of dynamic shear wall tests: A benchmark study**
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- XLII. **Reply to: Discussion of "Re-examination of damage distribution in Adapazari: Geotechnical considerations"**
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- XLIII. **Displacement-based fragility functions for low- and mid-rise ordinary concrete buildings**
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- XLIV. **Re-examination of damage distribution in Adapazari: Structural considerations**
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- XLV. **Re-examination of damage distribution in Adapazari: Geotechnical considerations**
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Diğer Dergilerde Yayınlanan Makaleler

- I. **Ülkemizdeki Riskli Yapıların Genel Özellikleri ve Deprem Performansı**
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- II. **DOLGU DUVARLARIN DÜZLEM DIŞI YÖNDE HAVA YASTIĞI İLE DENEYİ**
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Kitap & Kitap Bölümleri

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- II. **Experimental and Numerical Investigation of Torsionally Irregular RC Shear Wall Buildings with Rutherford Breakers**
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- IV. **Binalar için Deprem Mühendisliği Temel İlkeler**
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Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Regression-based Evaluation of Novel Intensity Measures under Alternative Ground Motion Record**

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- II. **Evaluation of Observed Seismic Damage for the 1999 Duzce Earthquake, 5rd 10th International Conference on Advanced Models and New Concepts in Concrete and Masonry Structures (Online-AMCM2020), Lublin, Poland, (October 2020).**
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- V. **Seismic Assessment of Mid-Rise Reinforced Concrete Buildings by Using a Modified Stiffness Approach**
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- VI. **COMPARISON OF 2007 AND 2019 SEISMIC HAZARD MAPS BASED ON SPECTRUM INTENSITIES AND CORRESPONDING ENGINEERING DEMANDS – A CASE STUDY WITH RC SCHOOL BUILDINGS IN ISTANBUL**
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- VIII. **NEW SEISMIC ASSESSMENT METHOD FOR MASONRY BUILDINGS UNDER URBAN RENEWAL LAW**
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- IX. **Site-Specific Seismic Hazard Analyses for Selected Regions In Turkey In Comparison With The New Seismic Design Code**
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- X. **Seismic Risk Assessment of School Buildings on the Basis of Recent Turkish Seismic Hazard Map**
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- XI. **Use of Seismic Intensity Measures for Comparison of Real and Simulated Records**
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