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Publons / Web Of Science ResearcherID: Y-2955-2019

ScopusID: 6701820021

Yoksis Araştırmacı ID: 164815

Eğitim Bilgileri

Doktora, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Türkiye 1995 - 2001

Yüksek Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Türkiye 1992 - 1995

Lisans, İstanbul Teknik Üniversitesi, İnşaat Fakültesi, İnşaat Mühendisliği Bölümü, Türkiye 1988 - 1992

Yabancı Diller

İngilizce, C1 İleri

Yaptığı Tezler

Doktora, Contribution of RC infills to the seismic behaviour of structural systems, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2001

Yüksek Lisans, Behaviour of high-strength concrete columns under eccentric compression-tied column, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 1995

Araştırma Alanları

İnşaat Mühendisliği, Yapı, Prefabrikasyon, Yapı Mühendisliği, Yapıların Performansı, Deprem Mühendisliği, Betonarme Yapılar, Yapılarda Onarım ve Güçlendirme, Yığma Yapılar, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2015 - Devam Ediyor

Doç. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2009 - 2015

Yrd. Doç. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2004 - 2009

Öğretim Görevlisi, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2003 - 2004

Akademik İdari Deneyim

Bölüm Başkanı, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2021 - Devam Ediyor
Senato Üyesi, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2019 - Devam Ediyor
Bölüm Başkan Yardımcısı, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2008 - 2013

Yönetilen Tezler

- CANBAY E., İç basınçlı tünellerde betonarme kaplama davranışının deneysel olarak incelenmesi., Yüksek Lisans, M.Tunç(Öğrenci), 2019
- CANBAY E., COMPARATIVE STUDY OF AN RC CHIMNEY AS PER DIFFERENT CODES, Yüksek Lisans, I.BASHIR(Öğrenci), 2019
- CANBAY E., Tasarlanmış çimento bağlayıcılı kompozit panellerin sismik güçlendirme için kullanımı, Doktora, M.ENGİN(Öğrenci), 2018
- BİNİCİ B., CANBAY E., Seismic behavior of vertical reinforced autoclaved aerated concrete (AAC) panel walls, Yüksek Lisans, A.TAGHIPOUR(Öğrenci), 2016
- CANBAY E., Seismic behavior assessment of low-rise reinforced concrete structural walls using quasi-static reversed cyclic loading protocol, Doktora, P.EZZATFAR(Öğrenci), 2016
- CANBAY E., Bond of lap spliced bars in self-compacting concrete, Yüksek Lisans, M.GHASABEH(Öğrenci), 2013
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- YAMAN İ. Ö., CANBAY E., Tensile behavior of chemically bonded post-installed anchors in low strength reinforced concretes, Yüksek Lisans, L.MAZİLİGÜNEY(Öğrenci), 2007

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Performance of RC buildings after Kahramanmaraş Earthquakes: lessons toward performance based design**
BİNİCİ B., YAKUT A., KADAŞ K., Demirel O., AKPINAR U., Canbolat A., YURTSEVEN F., ÖZTAŞKIN O., Aktas S., CANBAY E.
EARTHQUAKE ENGINEERING AND ENGINEERING VIBRATION, cilt.22, sa.4, ss.883-894, 2023 (SCI-Expanded)
- II. **Performance of structures in Izmir after the Samos island earthquake**
Yakut A., Sucuoğlu H., Binici B., Canbay E., Donmez C., Ilki A., Caner A., Çelik O. C., Ay B. Ö.
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- III. **Identifying buildings with high collapse risk based on samos earthquake damage inventory in Izmir**
BİNİCİ B., YAKUT A., CANBAY E., Akpınar U., TUNCAY K.
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- IV. **Seismic behavior of AAC infill walls insulated with cementitious lightweight panels in reinforced concrete frames**
Kasapgil S. M., BİNİCİ B., CANBAY E.
Engineering Structures, cilt.248, 2021 (SCI-Expanded)
- V. **Behavior and design of FRP bonded autoclaved aerated concrete beams**

Tuncer E., BİNİCİ B., CANBAY E.

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- VI. **Strengthening of reinforced concrete frames with engineered cementitious composite panels**
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PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-STRUCTURES AND BUILDINGS, cilt.173, sa.4, ss.237-251, 2020 (SCI-Expanded)
- VII. **Seismic behavior and improvement of autoclaved aerated concrete infill walls**
BİNİCİ B., CANBAY E., ALDEMİR A., Demirel I. O., Uzgan U., Eryurtlu Z., Bulbul K., YAKUT A.
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- VIII. **Seismic behavior of autoclaved aerated concrete low rise buildings with reinforced wall panels**
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- IX. **In Situ Lateral Load Testing of a Two-Story Solid Clay Brick Masonry Building**
ALDEMİR A., BİNİCİ B., CANBAY E., YAKUT A.
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- X. **Lateral load testing of an existing two story masonry building up to near collapse**
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- XI. **Seismic Performance Assessment of Masonry Buildings Using In Situ Material Properties**
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- XII. **Cyclic Testing of Reinforced Concrete Double Walls**
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- XIII. **The effect of infill walls on the seismic behavior of boundary columns in RC frames**
Fenerci A., BİNİCİ B., Ezzatfar P., CANBAY E., Ozcebe G.
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- XIV. **Assessment and rehabilitation of the damaged historic Cenabi Ahmet Pasha Mosque**
Koseoglu G. C., CANBAY E.
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- XV. **Pseudo-dynamic testing of a concrete gravity dam**
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- XVI. **Scale Effect on CFRP Strengthening of Infilled Reinforced Concrete Frames**
AKIN E., CANBAY E., BİNİCİ B., Ozcebe G.
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- XVII. **Numerical Study on CFRP Strengthening of Reinforced Concrete Frames with Masonry Infill Walls**
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- XVIII. **Bond Strength of Spliced Fiber-Reinforced Polymer Reinforcement**
Pay A. C., CANBAY E., Frosch R. J.
ACI STRUCTURAL JOURNAL, cilt.111, sa.2, ss.257-266, 2014 (SCI-Expanded)
- XIX. **Seismic strengthening of masonry infilled reinforced concrete frames with steel-fibre-reinforced mortar**
Yaman T. S., CANBAY E.
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- XX. **Modelling of strengthened hollow brick infills**
BARAN M., Ozcelik R., Sevil T., CANBAY E.
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- XXI. **Evaluation of tension lap splices for code provisions**

- CANBAY E., Bozalioglu D.
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- XXII. **Performance Examination of Two Seismic Strengthening Procedures by Pseudodynamic Testing**
Kurt E. G., KURÇ Ö., BİNİCİ B., CANBAY E., Ozcebe G.
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- XXIII. **Testing and analysis of infilled reinforced concrete frames strengthened with CFRP reinforcement**
Akin E., CANBAY E., BİNİCİ B., Ozcebe G.
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- XXIV. **Seismic Performance of a Deficient Reinforced Concrete Test Frame with Infill Walls**
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- XXV. **Use of steel fiber reinforced mortar for seismic strengthening**
Sevil T., BARAN M., Bilir T., CANBAY E.
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- XXVI. **8 March 2010 Elazig-Kovancilar (Turkey) Earthquake: Observations on Ground Motions and Building Damage**
Akkar S., Aldemir A., Askan A., Bakir S., Canbay E., Demirel I. O., Erberik M. A., Gülerce Z., Gulkan P., Kalkan E., et al.
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- XXVII. **Seismic strengthening with precast panels theoretical approach**
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- XXVIII. **Repair and strengthening of reinforced concrete columns with CFRPs**
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- XXIX. **Seismic Strengthening with Precast Concrete Panels - Theoretical Approach**
Baran M., CANBAY E., Tankut T.
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- XXX. **Comparison of code provisions on lap splices**
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- XXXI. **High-strength concrete columns under eccentric load**
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- XXXII. **Design of lap-spliced bars: Is simplification possible?**
Canbay E., Frosch R.
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- XXXIII. **Bond strength of lap-spliced bars**
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- XXXIV. **A three component force transducer for reinforced concrete structural testing**
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- XXXV. **Contribution of reinforced concrete infills to seismic behavior of structural systems**
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- I. **In situ seismic testing of a reinforced autoclaved aerated concrete building**
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MAUERWERK, cilt.22, sa.5, ss.305-313, 2018 (ESCI)

Kitap & Kitap Bölümleri

- I. **Betonarme: Özel Konular**
Ersoy U., Özcebe G., Canbay E.
Evrin Yayınları, Ankara, 2019
- II. **Betonarme: Davranış ve Hesap İlkeleri**
Ersoy U., Özcebe G., Canbay E.
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- III. **Application of Mesh Reinforced Mortar for Performance Enhancement of Hollow Clay Tile Infill walls**
EZZATFAR P., BİNİCİ B., KURÇ Ö., CANBAY E., SUCUOĞLU H., ÖZCEBE G.
Seismic Evaluation and Rehabilitation of Structures, İlki Alper, Fardis Michael, Editör, Springer, ss.171-186, 2014
- IV. **Çubukların Mukavemeti**
Canbay E., Luş H., Ersoy U., Wasti S. T.
Boğaziçi Yayınları, İstanbul, 2013
- V. **Introductory Mechanics of Deformable Bodies**
Canbay E., Wasti S. T., Ersoy U.
ODTÜ Yayıncılık, Ankara, 2008
- VI. **Binalar için Deprem Mühendisliği Temel İlkeler**
CANBAY E., GÜLKAN H. P., YAKUT A., tankut t., ÖZCEBE G., SUCUOĞLU H., AKKAR D. S., ersoy u., BAKIR B. S., YILMAZ M. T., et al.
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Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Opportunities and Challenges in Shotcrete Applications with the Dual Mixing Technology**
BİNİCİ B., Başarır H., CANBAY E.
PRELOMOVÉ INOVÁCIE DISRUPTIVE INNOVATIONS, 28 Kasım 2018
- II. **Numerical Modeling of Reinforced Concrete Pressure Tunnels Using the Overlapping Lattice Method**
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- III. **Experimental Studies on Reinforced Concrete Pressure Tunnels**
Kalaycıoğlu M., Albostan U., Işık G., CANBAY E., ARICI Y., BİNİCİ B., TUNCAY K.
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- IV. **DEGAS: An innovative earthquake-proof AAC wall system**
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- V. **Seismic response of autoclaved aerated concrete masonry infill walls under in-plane and out-of-plane seismic demands**
BİNİCİ B., CANBAY E., DEMİREL İ. O., ALDEMİR A., Uzgan U., ERYURTLU Z., YAKUT A.
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- VI. **In situ seismic testing of a reinforced autoclaved aerated concrete building**
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- VII. **Seismic behavior of reinforced autoclaved aerated concrete wall panels**
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- VIII. **PERFORMANCE BASED LIMIT STATES FOR INFILL WALLS IN RC FRAMES**
Demirel İ. O., Yakut A., Binici B., Canbay E.
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- IX. **Behaviour of AAC Infilled RC Frames under In Plane and Out of Plane Seismic Demands**
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- X. **SEISMIC BEHAVIOR OF SEMI-PRECAST CONCRETE SHEAR WALLS**
Golnesa Karimi Z., BİNİCİ B., CANBAY E.
4. Uluslararası Deprem Mühendisliği ve Sismoloji Konferansı, 11 - 13 Ekim 2017
- XI. **Testing of an Existing Two Story Masonry Building Under Lateral Loads**
ALDEMİR A., BİNİCİ B., CANBAY E., YAKUT A.
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- XII. **Earthquake resistant buildings with semiprecast elements**
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- XIII. **Building the 21st Century with Energy Efficient Earthquake Resistant Dobule Wall Kapwave Building systems**
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- XIV. **Building the Twenty First Century with Energy Efficient Earthquake Resistant**
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- XV. **Identifying Masonry Buildings That Are under High Seismic Risk**
ALDEMİR A., BİNİCİ B., YAKUT A., CANBAY E.
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- XVI. **Identifying Masonry Buidings That are Under High Seismic Risk**
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- XVII. **An Experimental Investigation of Infill Behaviour in RC Frames**
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Proceedings of the Tenth Pacific Conference on Earthquake Engineering, 6 - 08 Kasım 2015
- XVIII. **Lateral Load Testing of a two story building up to near collapse**
BİNİCİ B., CANBAY E., YAKUT A., ALDEMİR A.
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- XIX. **Lateral Load on Site Testing of a Two Story Masonry Building up to Near Collapse**
BİNİCİ B., CANBAY E., YAKUT A., ALDEMİR A.
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- XX. **Lateral Load Testing of Two Masonry Buildings**
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- XXI. **Lateral Load Testing of Two Existing MASONRY Buildings**
BİNİCİ B., ALDEMİR A., CANBAY E., YAKUT A.
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- XXII. **Comparison of Pseudo Dynamic Test Results and Numerical Results of an RCC Dam Model**
ALDEMİR A., BİNİCİ B., CANBAY E.

- The 11th Canadian Conference on Earthquake Engineering, Vancouver, Kanada, 21 - 24 Temmuz 2015
- XXIII. **Seismic Behavior of Double Walls with continuity Reinforcement**
BİNİCİ B., CANBAY E., Falko D., ALDEMİR A.
The 11th Canadian Conference on Earthquake Engineering, Vancouver, Kanada, 21 - 24 Temmuz 2015
- XXIV. **Pseudo dynamic test results of a concrete gravity dam**
Aldemir A., BİNİCİ B., CANBAY E., KURÇ Ö., ARICI Y.
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- XXV. **Performance assessment of RC frames with HCT brick infill walls rehabilitated with MRM by using pseudo dynamic test protocols**
Ezzatfar P., BİNİCİ B., KURÇ Ö., CANBAY E., Sucuoğlu H., Özcebe G.
5th International Conference on Advances in Experimental Structural Engineering, AESE 2013, Taipei, Tayvan, 8 - 09 Kasım 2013
- XXVI. **Comparisons of different retrofit techniques with pseudo dynamic testing**
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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.2, ss.1371-1380
- XXVII. **Seismic strengthening of masonry infilled reinforced concrete frames with steel fiber reinforcement**
Sevil T., CANBAY E.
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- XXVIII. **Performance comparisons of seismic assessment methods with PSD test results of a deficient RC frame**
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Desteklenen Projeler

CANBAY E., Yükseköğretim Kurumları Destekli Proje, Kendiliğinden Yerleşen Betonun Aderans Özellikleri, 2009 - 2010

Bilimsel Hakemlikler

JOURNAL OF STRUCTURAL ENGINEERING-ASCE, SCI Kapsamındaki Dergi, Mayıs 2019

STRUCTURAL DESIGN OF TALL AND SPECIAL BUILDINGS, SCI-E Kapsamındaki Dergi, Şubat 2019

Metrikler

Yayın: 70

Atf (WoS): 516

Atf (Scopus): 616

H-İndeks (WoS): 13

H-İndeks (Scopus): 15

Akademi Dışı Deneyim

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