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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, University of California, Berkeley, İnşaat Mühendisliği, Amerika Birleşik Devletleri 2000 - 2006

Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Türkiye 1995 - 1999

Yabancı Diller

İngilizce, C1 İleri

Akademik Unvanlar / Görevler

Doç. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2011 - Devam Ediyor

Yrd. Doç. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2009 - 2011

Öğretim Görevlisi Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2007 - 2009

Araştırma Görevlisi, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 1999 - 2006

Yönetilen Tezler

SARITAŞ A., DETERMINATION OF MECHANICAL AND MICROSTRUCTURAL PROPERTIES OF ENGINEERED CEMENTITIOUS COMPOSITE INCORPORATING DIFFERENT TYPES OF SCM, FILLER, AND PVA FIBER, Yüksek Lisans, A.JAMAL(Öğrenci), 2022

SARITAŞ A., Çelik yapılarda yarı rijit bağlantıların doğrusal olmayan davranışının modellenmesi ve üç boyutlu yapısal çözümlere olan etkisinin araştırılması, Doktora, H.Fırat(Öğrenci), 2019

UTKU M., SARITAŞ A., Free vibration analysis of uniform or tapered beams with transversely functionally graded materials, Yüksek Lisans, O.KOÇKAYA(Öğrenci), 2018

SARITAŞ A., Influence of the nonlinear behavior of semi-rigid connections on the analysis of low-rise steel framed structures, Yüksek Lisans, Z.KARAKAŞ(Öğrenci), 2017

SARITAŞ A., Susceptibility of mid-rise and high-rise steel moment resisting frame buildings to the nonlinear behavior of beam-column connections, Yüksek Lisans, M.BAYRAKTAR(Öğrenci), 2017

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TOPKAYA C., SARITAŞ A., Numerical studies on eccentrically braced frames, Doktora, A.KUŞYILMAZ(Öğrenci), 2014

- SARITAŞ A., Finite element modeling of beams with functionally graded materials, Yüksek Lisans, T.GÜROL(Öğrenci), 2014
- SARITAŞ A., UZOL O., Computational fluid dynamic analysis of wind loads acting on ground mounted solar panels, Yüksek Lisans, V.EMRE(Öğrenci), 2014
- SARITAŞ A., Finite element modeling approaches and comparative study on the nonlinear behavior of steel shear-links, Yüksek Lisans, Y.KIZILDAĞ(Öğrenci), 2013
- SARITAŞ A., A parametric study on the influence of semi-rigid connection nonlinearity on steel special moment frames, Yüksek Lisans, T.METİN(Öğrenci), 2013
- SARITAŞ A., A three dimensional mixed formulation nonlinear frame finite element based on Hu-Washizu functional, Doktora, O.SOYDAŞ(Öğrenci), 2013
- SARITAŞ A., A finite element model for partially restrained steel beam to column connections, Yüksek Lisans, A.KÖSEOĞLU(Öğrenci), 2013
- SARITAŞ A., Modeling of nonlinear behavior of steel beam to column semi-rigid connections with 3-D solid finite elements, Yüksek Lisans, M.NURETTİN(Öğrenci), 2013
- SARITAŞ A., Effect of reinforcement and pre-stressing force on ASR expansion, Yüksek Lisans, O.MUSAOĞLU(Öğrenci), 2012
- SARITAŞ A., Parametric analysis of inelastic interaction in frame-wall structural systems, Yüksek Lisans, S.SEÇKİNER(Öğrenci), 2011
- SARITAŞ A., A comparative study on the nonlinear behavior of chevron and suspended zipper braced steel frames, Yüksek Lisans, A.YİĞİT(Öğrenci), 2010
- SARITAŞ A., Effect of inelastic behaviour of load bearing walls on the frame-wall structural systems, Yüksek Lisans, G.GÜLER(Öğrenci), 2009
- SARITAŞ A., 3-D finite element analysis of semi-rigid steel connections, Yüksek Lisans, C.HARUN(Öğrenci), 2009

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Spatial variation of physical, mechanical, and thermophysical properties of 3D printed concrete across a full-scale wall**
Bayrak A. T., Shaban N., Seyedian Choubi S., Tuncer E., Yang S., Yılmaz H. D., Alkilani A. Z., Dal H., Unluer C., Gürsel Dino I., et al.
CONSTRUCTION AND BUILDING MATERIALS, cilt.431, 2024 (SCI-Expanded)
- II. **Frame finite element model for nonlinear and vibration analysis of steel structures with Beam-Column and Column-Base Semi-Rigid Connections Kiriş-Kolon ve Kolon-Taban Yari-Rijit bağlantılı çelik yapıların doğrusal olmayan ve titreşim analizleri için çerçeve sonlu elemanı modeli**
Özel H. F., SARITAŞ A.
Journal of the Faculty of Engineering and Architecture of Gazi University, cilt.37, sa.3, ss.1609-1623, 2022 (SCI-Expanded)
- III. **Free vibration characteristics of a 3d mixed formulation beam element with force-based consistent mass matrix**
Soydas O., SARITAŞ A.
JOURNAL OF VIBRATION AND CONTROL, cilt.23, sa.16, ss.2635-2655, 2017 (SCI-Expanded)
- IV. **Consistent matrices for steel framed structures with semi-rigid connections accounting for shear deformation and rotary inertia effects**
ÖZEL H. F., SARITAŞ A., Tasbahji T.
ENGINEERING STRUCTURES, cilt.137, ss.194-203, 2017 (SCI-Expanded)
- V. **Hybrid finite element for analysis of functionally graded beams**
SARITAŞ A., Gurol T., Soydas O.
MECHANICS OF ADVANCED MATERIALS AND STRUCTURES, cilt.24, sa.3, ss.228-239, 2017 (SCI-Expanded)
- VI. **Comparison of chevron and suspended-zipper braced steel frames**
Ozcelik Y., SARITAŞ A., Clayton P. M.

- JOURNAL OF CONSTRUCTIONAL STEEL RESEARCH, cilt.119, ss.169-175, 2016 (SCI-Expanded)
- VII. **Distributed inelasticity planar frame element with localized semi-rigid connections for nonlinear analysis of steel structures**
SARITAŞ A., KÖSEOĞLU A.
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- VIII. **Assessing the Effects of Mechanical Preventive Measures on Alkali-Silica Reaction Expansion with Accelerated Mortar Bar Test**
Musaoglu O., TURANLI L., SARITAŞ A.
JOURNAL OF TESTING AND EVALUATION, cilt.42, sa.6, ss.1520-1529, 2014 (SCI-Expanded)
- IX. **Analysis of RC walls with a mixed formulation frame finite element**
SARITAŞ A., Filippou F. C.
COMPUTERS AND CONCRETE, cilt.12, sa.4, ss.519-536, 2013 (SCI-Expanded)
- X. **An accurate nonlinear 3d Timoshenko beam element based on Hu-Washizu functional**
Soydas O., SARITAŞ A.
INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, cilt.74, ss.1-14, 2013 (SCI-Expanded)
- XI. **Variational base and solution strategies for non-linear force-based beam finite elements**
SARITAŞ A., Soydas O.
INTERNATIONAL JOURNAL OF NON-LINEAR MECHANICS, cilt.47, sa.3, ss.54-64, 2012 (SCI-Expanded)
- XII. **Strengthening the structural behavior of adobe walls through the use of plaster reinforcement mesh**
TURANLI L., SARITAŞ A.
CONSTRUCTION AND BUILDING MATERIALS, cilt.25, sa.4, ss.1747-1752, 2011 (SCI-Expanded)
- XIII. **Stress resultants plasticity with general closest point projection**
SARITAŞ A.
MECHANICS RESEARCH COMMUNICATIONS, cilt.38, sa.2, ss.126-130, 2011 (SCI-Expanded)
- XIV. **Inelastic axial-flexure-shear coupling in a mixed formulation beam finite element**
SARITAŞ A., Filippou F. C.
INTERNATIONAL JOURNAL OF NON-LINEAR MECHANICS, cilt.44, sa.8, ss.913-922, 2009 (SCI-Expanded)
- XV. **Numerical integration of a class of 3d plastic-damage concrete models and condensation of 3d stress-strain relations for use in beam finite elements**
SARITAŞ A., Filippou F. C.
ENGINEERING STRUCTURES, cilt.31, sa.10, ss.2327-2336, 2009 (SCI-Expanded)
- XVI. **Frame Element for Metallic Shear-Yielding Members under Cyclic Loading**
SARITAŞ A., Filippou F. C.
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- XVII. **Modeling of inelastic behavior of curved members with a mixed formulation beam element**
SARITAŞ A.
FINITE ELEMENTS IN ANALYSIS AND DESIGN, cilt.45, sa.5, ss.357-368, 2009 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **A Beam Finite Element for Shear Critical RC Beams**
Filippou F. C., SARITAŞ A.
American Concrete Institute Special Publication, ss.295-310, 2006 (Hakemli Dergi)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **A 2D FRAME ELEMENT TAKING INTO ACCOUNT SEMI-RIGIDITY AT COLUMN BASES, BRACE ENDS BEAM TO COLUMN CONNECTIONS IN STEEL STRUCTURES**
ÖZEL H. F., SARITAŞ A.

9th Hellenic National Conference of Steel Structures, Larissa, Yunanistan, 5 - 07 Ekim 2017

- II. **Three dimensional frame element formulation for nonlinear analysis of semi rigid steel structures**
ÖZEL H. F., SARITAŞ A., KARAKAŞ Z.
12th International Congress on Advances in Civil Engineering, Istanbul, Turkey, September 21-23, 2016, İstanbul, Türkiye, 21 - 23 Eylül 2016
- III. **Capturing inelastic coupling of internal forces and exact vibration frequencies for 3 d Timoshenko beam finite elements**
SOYDAŞ O., SARITAŞ A.
The 2016 World Congress on Advances in Civil, Environmental, and Materials Research (ACEM16)/The 2016 Structures Congress (Structures16), Jeju, Korea, 28 August - 01 September 2016, Jeju, Güney Kore, 28 Ağustos - 01 Eylül 2016
- IV. **Wind loads acting on solar panels in a row by CFD analysis**
USLU V. E., SARITAŞ A., UZOL O.
The 2016 World Congress on Advances in Civil, Environmental, and Materials Research (ACEM16)/The 2016 Structures Congress (Structures16), Jeju, Korea, 28 August - 01 September 2016, Jeju, Güney Kore, 28 Ağustos - 01 Eylül 2016
- V. **Finite element model with semi rigid connections for vibration assessment of steel moment resisting framed structures**
ÖZEL H. F., SARITAŞ A., TASBAHI T.
The International Colloquium on Stability and Ductility of Steel Structures, Timisoara, Romania, 30 May - 01 June 2016, Timişara, Romanya, 30 Mayıs - 01 Haziran 2016
- VI. **Stress strain behaviour of structural lightweight concrete under confinement**
ŞENEL M. A., TASBAHI T., TURANLI L., SARITAŞ A.
M.A. Senel, T. Tasbahji, L. Turanli, A. Saritas; "Stress-strain behaviour of structural lightweight concrete under confinement", 6th International Conference on Structural Engineering and Construction Management, Kandy, Sri Lanka, 11-13 December 2015, Kandy, Sri Lanka, 11 - 13 Aralık 2015
- VII. **Vibration characteristics of various wide flange steel beams and columns**
ÖZEL H. F., SARITAŞ A., TASBAHI T.
6th International Conference on Structural Engineering and Construction Management, Kandy, Sri Lanka, 11-13 December 2015, Kandy, Sri Lanka, 11 - 13 Aralık 2015
- VIII. **Yarı rijit bağlantılı çelik çerçeve yapıların titreşim özelliklerinin modellenmesi**
ÖZEL H. F., SARITAŞ A., TASBAHI T.
3.Türkiye Deprem Mühendisliği ve Sismoloji Konferansı, İzmir, 14-16 Ekim 2015, İzmir, Türkiye, 14 - 16 Ekim 2015
- IX. **Fonksiyonel derecelendirilmiş malzemeli kirişlerin karma formülasyon sonlu elemanlarla modellenmesi**
SARITAŞ A., GÜROL T.
19. Ulusal Mekanik Kongresi, Trabzon, 24-28 Ağustos 2015, Trabzon, Türkiye, 24 - 28 Ağustos 2015
- X. **Modeling of the nonlinear behavior of steel framed structures with semi rigid connections**
SARITAŞ A., KÖSEOĞLU A., ÖZEL H. F.
8th International Conference on Advances in Steel Structures ICASS 2015, Lisbon, Portugal, July 21-24, 2015, Lizbon, Portekiz, 21 - 24 Temmuz 2015
- XI. **Comparison of low rise steel chevron and suspended zipper braced steel frames**
ÖZÇELİK Y., SARITAŞ A., CLAYTON P.
8th International Conference on Advances in Steel Structures ICASS 2015, Lisbon, Portugal, July 21-24, 2015, Lizbon, Portekiz, 21 - 24 Temmuz 2015
- XII. **An Accurate modeling approach for calculating the vibration characteristics of steel framed structures with semi rigid connections**
ÖZEL H. F., SARITAŞ A.
8th International Conference on Behaviour of Steel Structures in Seismic Areas STESSA 2015, Shanghai, China, July 1-3, 2015, Şanghay, Çin, 1 - 03 Temmuz 2015
- XIII. **Çelik bağ kirişleri kullanım alanları ve çözümsel modellenmeleri**

SARITAŞ A., Filippou F. C.

Çelik bağ kirişleri kullanım alanları ve çözümsel modellenmeleri”, Yapıların Onarımı ve Güçlendirilmesi Sempozyumu, Denizli, 7-8 Aralık 2006, Denizli, Türkiye, 7 - 08 Aralık 2006

XIV. Üç boyutlu plastisite hasar malzeme modellerinin sayısal entegrasyonu

SARITAŞ A.

16. Ulusal Mekanik Kongresi, Kayseri, 22-26 Haziran 2009, Kayseri, Türkiye, 22 - 26 Haziran 2009

XV. Eğri yapı elemanları için karma formulasyon giriş sonlu elemanı

SARITAŞ A.

16. Ulusal Mekanik Kongresi, Kayseri, 22-26 Haziran 2009, Türkiye, 22 - 26 Haziran 2009

XVI. Modeling of shear yielding members for seismic energy dissipation

SARITAŞ A., Filippou F. C.

13th World Conference on Earthquake Engineering, Vancouver, Canada, August 1-6, 2004, Vancouver, Kanada, 1 - 06 Ağustos 2004

XVII. Failure analysis of shear critical RC structural members

SARITAŞ A., Filippou F. C.

5th International Conference on Computation of Shell and Spatial Structures, Salzburg, Austria, June 1-4, 2005, Salzburg, Avusturya, 1 - 04 Haziran 2005

XVIII. Mixed formulation of RC beam element with shear axial force and flexure interaction

Filippou F. C., SARITAŞ A.

US-Japan Workshop on Simulation of Collapse of Concrete Structures: from Research to Practice, Maui, November 2-4, 2003, Amerika Birleşik Devletleri, 2 - 04 Kasım 2003

Metrikler

Yayın: 36

Atıf (WoS): 234

Atıf (Scopus): 212

H-İndeks (WoS): 10

H-İndeks (Scopus): 9

Akademi Dışı Deneyim

Türk Silahlı Kuvvetleri