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Publons / Web Of Science ResearcherID: H-2940-2018

Yoksis Araştırmacı ID: 2498

Eğitim Bilgileri

Doktora, Rensselaer Polytechnic Institute, İnşaat Mühendisliği, Mekanik, Amerika Birleşik Devletleri 1986 - 1991

Yüksek Lisans, University of Massachusetts Amherst, Yabancı Diller Yüksekokulu, İnşaat Mühendisliği, Amerika Birleşik Devletleri 1983 - 1985

Lisans, University of Massachusetts Amherst, Yabancı Diller Yüksekokulu, Makine Mühendisliği, Amerika Birleşik Devletleri 1979 - 1983

Araştırma Alanları

Makina Mühendisliği, Mekanik, Katı Cisimler Mekaniği, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof. Dr., Çukurova Üniversitesi, Mühendislik Fakültesi, Makina Müh., 1992 - Devam Ediyor

Yönetilen Tezler

TÜTÜNCÜ N., Mechanics of Composite Structures Using Matlab GUI, Yüksek Lisans, S.Yıldırım(Öğrenci), 2013

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- Predicting the indentation load of FRP facesheet / foam core sandwiches**
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- IV. **Radial vibration analysis of heterogeneous and non-uniform disks via complementary functions method**
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- V. **Axisymmetric plane vibration analysis of polar-anisotropic disks**
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COMPOSITE STRUCTURES, cilt.194, ss.509-515, 2018 (SCI-Expanded)
- VI. **Free vibration analysis of functionally graded beams using complementary functions method**
Celebi K., Yarimpabuc D., TÛTÛNCÛ N.
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- VII. **Elastic and viscoelastic response of heterogeneous annular structures under arbitrary transient pressure**
TEMEL B., YILDIRIM S., TÛTÛNCÛ N.
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- VIII. **Free vibration analysis of functionally graded beams using an exact plane elasticity approach**
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PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, cilt.228, sa.14, ss.2488-2494, 2014 (SCI-Expanded)
- IX. **An Efficient Unified Method for Thermoelastic Analysis of Functionally Graded Rotating Disks of Variable Thickness**
TÛTÛNCÛ N., TEMEL B.
MECHANICS OF ADVANCED MATERIALS AND STRUCTURES, cilt.20, sa.1, ss.38-46, 2013 (SCI-Expanded)
- X. **CLOSED-FORM SOLUTIONS FOR FORCED VIBRATION ANALYSIS OF INHOMOGENOUS ROD**
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- XI. **Exact Analysis of Axisymmetric Dynamic Response of Functionally Graded Cylinders (or Disks) and Spheres**
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JOURNAL OF APPLIED MECHANICS-TRANSACTIONS OF THE ASME, cilt.78, sa.6, 2011 (SCI-Expanded)
- XII. **A novel approach to stress analysis of pressurized FGM cylinders, disks and spheres**
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- XIII. **Effect of anisotropy on axisymmetric dynamic response of thick-walled cylinders**
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- XIV. **A Parametric Investigation into Free and Forced Vibration Behavior of Anisotropic Thick-Walled Spheres**
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- XVI. **Forced vibration of composite cylindrical helical rods**
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INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, cilt.47, sa.7, ss.998-1022, 2005 (SCI-Expanded)
- XVII. **Structure and mechanical properties of Cresco-Ti laser-welded joints and stress analyses using finite element models of fixed distal extension and fixed partial prosthetic designs**
UYSAL H., Kurtoglu C., GURBUZ R., TUTUNCU N.
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- XVIII. **Quasi-static and dynamic response of viscoelastic helical rods**

- Temel B., CALIM F., Tutuncu N.
JOURNAL OF SOUND AND VIBRATION, cilt.271, ss.921-935, 2004 (SCI-Expanded)
- XIX. **Stress redistribution and instability in rotating orthotropic cylinders**
Tutuncu N., Ozturk M.
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- XX. **Exact solutions for stresses in functionally graded pressure vessels**
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- XXI. **Effect of anisotropy on inertio-elastic instability of rotating disks**
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INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, cilt.37, sa.51, ss.7609-7616, 2000 (SCI-Expanded)
- XXII. **A parametric stability analysis of composite plates tapered in planform**
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- XXIII. **Plane stress analysis of end-loaded orthotropic curved beams of constant thickness with applications to full rings**
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- XXIV. **Interlaminar thermal stresses in polar-anisotropic circular plates**
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- XXV. **Intralaminar failure stresses due to centrifugal forces in polar-anisotropic circular plates**
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- XXVI. **Determination of buckling speed for rotating orthotropic disk restrained at outer edge**
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- XXVII. **Thermoelastic analysis of polar-anisotropic circular plates**
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- XXVIII. **Bending stresses in composite spherical shells under axisymmetric edge-loads**
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- XXIX. **EFFECT OF ANISOTROPY ON STRESSES IN ROTATING DISCS**
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- XXX. **THERMALLY-INDUCED TWIST IN COMPOSITE TUBES AND THEIR APPLICATIONS TO HELICOPTER ROTOR BLADES WITH CONTROLLABLE TWIST**
TUTUNCU N., WINCKLER S.
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- XXXI. **STRESSES AND DEFORMATIONS IN THICK-WALLED CYLINDERS SUBJECTED TO COMBINED LOADING AND A TEMPERATURE-GRADIENT**
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Diğer Dergilerde Yayınlanan Makaleler

- I. **EXACT SOLUTIONS FOR FORCED VIBRATION OF NON UNIFORM RODS BY LAPLACE TRANSFORMATION**
ÇELEBİ K., KELEŞ İ., TÜTÜNCÜ N.
Gazi University Journal of Science, cilt.24, sa.2, ss.347-353, 2011 (Scopus)
- II. **Analysis of Behaviour of an Elastic Bar with Varying Cross Section Under Dynamic Loads with Laplace Transform Method**
ÇELEBİ K., TÜTÜNCÜ N., KELEŞ İ.
Çukurova University Journal of Faculty of Engineering and Architecture, cilt.22, sa.2, ss.185-196, 2007 (Hakemli Dergi)
- III. **Free Vibration and Dynamic Analysis of Uniform and Non Uniform Rods Using Mode Superposition Method**
ÇELEBİ K., TÜTÜNCÜ N., KELEŞ İ.
Çukurova University Journal of Faculty of Engineering and Architecture, cilt.22, sa.2, ss.197-211, 2007 (Hakemli Dergi)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Rotational Instability of Polar Orthotropic Nonuniform Disks**
YILDIRIM S., TÜTÜNCÜ N.
8th International Conference on Mechanical and Aerospace Engineering (ICMAE), Prague, Çek Cumhuriyeti, 22 - 25 Temmuz 2017, ss.586-590
- II. **Keyfi Dinamik İç Basınç Altındaki Heterojen Dairesel Yapıların Elastik ve Viskoelastik Davranışları TRABZON TÜRKİYE 24 28 Ağustos 2015 ss 1 10**
TEMEL B., YILDIRIM S., TÜTÜNCÜ N.
XIX. Ulusal Mekanik Kongresi, Trabzon, Türkiye, 24 - 28 Ağustos 2015, ss.1-10
- III. **Keyfi Dinamik İç Basınç Altındaki Heterojen Dairesel Yapıların Elastik ve Viskoelastik Davranışları**
Temel B., Yıldırım S., Tütüncü N.
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- IV. **Analysis of Composite Plates by KomPro**
YILDIRIM S., Tütüncü N.
(IJAS) International Conference for Academic Dicipines, Viyana, Avusturya, 6 - 10 Nisan 2014, ss.1-2
- V. **Transient Response of FGM Pressure Vessels**
Pekel H., Keleş İ., Temel B., Tütüncü N.
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Pekel H., Keles I., Temel B., Tütüncü N.
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- VII. **Homojen olmayan FGM Çubuk Disk ve Silindirlerin Laplace Transformasyonu ile Zorlanmış Titresim Analizi**
ÇELEBİ K., KELES I., TÜTÜNCÜ N.
XVI. ULUSAL MEKANİK KONGRESİ, Kayseri, Türkiye, 1 - 03 Haziran 2009, ss.417-426

Metrikler

Atif (WoS): 594

Atif (Scopus): 771

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H-índeks (Scopus): 14