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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**
Çetin A., Uzay Ç., Tütüncü N., Geren N.
STRUCTURES, cilt.62, 2024 (SCI-Expanded)
- Inertio-elastic instability of functionally graded nanotube-reinforced composite disks**
Yıldırım S., TÜTÜNCÜ N.
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- Effect of Magneto-Thermal Loads on the Rotational Instability of Heterogeneous Rotors**
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AIAA JOURNAL, cilt.57, sa.5, ss.2069-2074, 2019 (SCI-Expanded)

- IV. **On the inertio-elastic instability of variable-thickness functionally-graded disks**
YILDIRIM S., TÜTÜNCÜ N.
MECHANICS RESEARCH COMMUNICATIONS, cilt.91, ss.1-6, 2018 (SCI-Expanded)
- V. **Radial vibration analysis of heterogeneous and non-uniform disks via complementary functions method**
YILDIRIM S., TÜTÜNCÜ N.
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- VI. **Axisymmetric plane vibration analysis of polar-anisotropic disks**
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- VII. **Free vibration analysis of functionally graded beams using complementary functions method**
Celebi K., Yarimpabuc D., TÜTÜNCÜ N.
ARCHIVE OF APPLIED MECHANICS, cilt.88, sa.5, ss.729-739, 2018 (SCI-Expanded)
- VIII. **Elastic and viscoelastic response of heterogeneous annular structures under arbitrary transient pressure**
TEMEL B., YILDIRIM S., TÜTÜNCÜ N.
INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, cilt.89, ss.78-83, 2014 (SCI-Expanded)
- IX. **Free vibration analysis of functionally graded beams using an exact plane elasticity approach**
Celebi K., TÜTÜNCÜ N.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, cilt.228, sa.14, ss.2488-2494, 2014 (SCI-Expanded)
- X. **An Efficient Unified Method for Thermoelastic Analysis of Functionally Graded Rotating Disks of Variable Thickness**
TÜTÜNCÜ N., TEMEL B.
MECHANICS OF ADVANCED MATERIALS AND STRUCTURES, cilt.20, sa.1, ss.38-46, 2013 (SCI-Expanded)
- XI. **CLOSED-FORM SOLUTIONS FOR FORCED VIBRATION ANALYSIS OF INHOMOGENOUS ROD**
Celebi K., Keles I., TÜTÜNCÜ N.
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- XII. **Exact Analysis of Axisymmetric Dynamic Response of Functionally Graded Cylinders (or Disks) and Spheres**
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- XIII. **A novel approach to stress analysis of pressurized FGM cylinders, disks and spheres**
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- XIV. **Effect of anisotropy on axisymmetric dynamic response of thick-walled cylinders**
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- XV. **A Parametric Investigation into Free and Forced Vibration Behavior of Anisotropic Thick-Walled Spheres**
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- XVI. **Stresses in thick-walled FGM cylinders with exponentially-varying properties**
Tutuncu N.
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- XVII. **Forced vibration of composite cylindrical helical rods**
Temel B., CALIM F., Tutuncu N.
INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, cilt.47, sa.7, ss.998-1022, 2005 (SCI-Expanded)
- XVIII. **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.
JOURNAL OF PROSTHETIC DENTISTRY, cilt.93, sa.3, ss.235-244, 2005 (SCI-Expanded)
- XIX. **Quasi-static and dynamic response of viscoelastic helical rods**
Temel B., CALIM F., Tutuncu N.
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- XX. **Stress redistribution and instability in rotating orthotropic cylinders**
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- XXI. **Exact solutions for stresses in functionally graded pressure vessels**
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- XXII. **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)
- XXIII. **A parametric stability analysis of composite plates tapered in planform**
Herdi M., Tutuncu N.
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- XXIV. **Plane stress analysis of end-loaded orthotropic curved beams of constant thickness with applications to full rings**
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JOURNAL OF MECHANICAL DESIGN, cilt.120, sa.2, ss.368-374, 1998 (SCI-Expanded)
- XXV. **Determination of buckling speed for rotating orthotropic disk restrained at outer edge**
Tutuncu N., Durdu A.
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- XXVI. **Intralaminar failure stresses due to centrifugal forces in polar-anisotropic circular plates**
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- XXVII. **Interlaminar thermal stresses in polar-anisotropic circular plates**
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- XXVIII. **Thermoelastic analysis of polar-anisotropic circular plates**
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- XXIX. **Bending stresses in composite spherical shells under axisymmetric edge-loads**
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- XXX. **EFFECT OF ANISOTROPY ON STRESSES IN ROTATING DISCS**
TUTUNCU N.
INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, cilt.37, sa.8, ss.873-881, 1995 (SCI-Expanded)
- XXXI. **THERMALLY-INDUCED TWIST IN COMPOSITE TUBES AND THEIR APPLICATIONS TO HELICOPTER ROTOR BLADES WITH CONTROLLABLE TWIST**
TUTUNCU N., WINCKLER S.
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- XXXII. **STRESSES AND DEFORMATIONS IN THICK-WALLED CYLINDERS SUBJECTED TO COMBINED LOADING AND A TEMPERATURE-GRADIENT**
TÜTÜNCÜ N., WINCKLER S.
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- XXXIII. **DEFORMATIONS IN COMPOSITE SHELLS OF REVOLUTION UNDER AXISYMMETRICAL AND THERMAL LOADS**
TÜTÜNCÜ N., WINCKLER S.
JOURNAL OF COMPOSITE MATERIALS, cilt.26, sa.17, ss.2511-2521, 1992 (SCI-Expanded)

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 Bilimsel Toplantılarda Yayımlanmış Bildiriler

- 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.
10th Biennial International Conference on Vibration Problems (ICOVP), Usti, Çek Cumhuriyeti, 5 - 08 Eylül 2011, ss.315-320
- VI. **Transient Response of FGM Pressure Vessels**
Pekel H., Keles I., Temel B., Tütüncü N.
10th Biennial International Conference on Vibration Problems (ICOVP), Prague, Çek Cumhuriyeti, 5 - 08 Eylül 2011, cilt.139, ss.315-320
- 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

H-índeks (WoS): 12

H-índeks (Scopus): 14