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International Researcher IDs

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Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Yapı Mühendisliği (Dr), Turkey 2007 - 2010

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Yapı Mühendisliği (YI) (Tezli), Turkey 2001 - 2004

Undergraduate, Ondokuz Mayıs University, Faculty Of Engineering, Department Of Civil Engineering, Turkey 1996 - 2000

Foreign Languages

English, C1 Advanced

Research Areas

Engineering and Technology

Academic Titles / Tasks

Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĞİ, 2022 - Continues

Associate Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĞİ, 2017 - 2022

Assistant Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĞİ, 2016 - 2017

Assistant Professor, Bilecik Seyh Edebali University, Faculty Of Engineering, Department Of Civil Engineering, 2012 - 2016

Academic and Administrative Experience

Deputy Head of Department, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĞİ, 2016 - 2020

Deputy Head of Department, Bilecik Seyh Edebali University, Faculty Of Engineering, Department Of Civil Engineering, 2014 - 2016

Courses

Yapıların Stabilitesi, Postgraduate, 2016 - 2017

Mukavemet 1, Undergraduate, 2016 - 2017

Sonlu Elemanlara Giriş, Undergraduate, 2016 - 2017

Advising Theses

Yaylı M. Ö., NANOKOMPOZİT YAPILARIN GENEL ELASTİK SINIR KOŞULLARINDA DİNAMİK VE STABİLİTE ANALİZLERİ, Doctorate, B.UZUN(Student), 2023

Yaylı M. Ö., Bir çerçeve sistemin klasik ve değiştirilmiş gerilme çifti teorisine göre statik analizi, Postgraduate, A.YİĞİTOĞLU(Student), 2021

YAYLI M. Ö., Free axial vibration analysis of nanoscaled rods embedded in an elastic medium via Rayleigh and nonlocal elasticity theory, Postgraduate, T.Küpeli(Student), 2020

YAYLI M. Ö., Free axial vibration of Rayleigh nanorods based on nonlocal elasticity theory, Postgraduate, Y.Harun(Student), 2020

Yaylı M. Ö., Euler-bernoulli kiriş teorisi kullanılarak farklı kesit ve sınır koşullarında çelik lifli kolonun burkulma ve titreşim analizi, Postgraduate, M.TUNAHAN(Student), 2020

YAYLI M. Ö., Longitudinal vibration analysis of carbon nanotubes with elastically restrained ends using doublet mechanics, Postgraduate, E.Asa(Student), 2019

Yaylı M., Vibration analysis of a functionally graded nanobeam with different boundary conditions using finite element method, Postgraduate, B.Uzun(Student), 2019

YAYLI M. Ö., Buckling analysis and dynamic analysis of steel fiber column with different cross-section and boundary conditions using euler-bernoulli beam theory, Postgraduate, M.Tunahan(Student), 2019

Yaylı M., Free vibration analysis of timoshenko beams with general elastic boundary conditions, Postgraduate, H.Gün(Student), 2018

Yaylı M. Ö., Nano ölçekli çubukların rijit olmayan sınır şartlarında yerel olmayan elastisite teorisine göre titreşim analizleri, Postgraduate, F.YANIK(Student), 2015

Jury Memberships

Associate Professor Exam, Associate Professor Exam, Bursa Uludağ Üniversitesi, December, 2023

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Bursa Uludağ Üniversitesi, August, 2023

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Bursa Uludağ Üniversitesi, May, 2023

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Bursa Uludağ Üniversitesi, March, 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **An investigation on the torsional vibration of a FG strain gradient nanotube**
UZUN B., YAYLI M. Ö., CİVALEK Ö.
ZAMM Zeitschrift für Angewandte Mathematik und Mechanik, vol.104, no.7, 2024 (SCI-Expanded)
- II. **Elastic medium and torsional spring effects on the nonlocal dynamic of functionally graded porous nanotubes**
UZUN B., YAYLI M. Ö., CİVALEK Ö.
Archive of Applied Mechanics, vol.94, no.5, pp.1291-1311, 2024 (SCI-Expanded)
- III. **A Unified Technique for Stability Analysis of an Embedded FG Porous Nano/Microbeam via Modified Couple Stress Theory**

Uzun B., Yaylı M. Ö.

Nano, vol.1, pp.1-20, 2024 (SCI-Expanded)

- IV. **On the stability analysis of a restrained FG nanobeam in an elastic matrix with neutral axis effects**
CİVALEK Ö., Uzun B., YAYLI M. Ö.
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES, 2024 (SCI-Expanded)
- V. **Free Vibration of a Carbon Nanotube-Reinforced Nanowire/Nanobeam with Movable Ends**
UZUN B., YAYLI M. Ö.
Journal of Vibration Engineering and Technologies, vol.12, no.4, pp.6847-6863, 2024 (SCI-Expanded)
- VI. **Porosity and Deformable Boundary Effects on the Dynamic of Nonlocal Sigmoid and Power-Law FG Nanobeams Embedded in the Winkler-Pasternak Medium**
Uzun B., YAYLI M. Ö.
JOURNAL OF VIBRATION ENGINEERING & TECHNOLOGIES, vol.12, no.3, pp.3193-3212, 2024 (SCI-Expanded)
- VII. **Winkler-Pasternak foundation effect on the buckling loads of arbitrarily rigid or restrained supported nonlocal beams made of different FGM and porosity distributions**
UZUN B., YAYLI M. Ö.
ZAMM Zeitschrift für Angewandte Mathematik und Mechanik, vol.104, no.2, 2024 (SCI-Expanded)
- VIII. **Rotary inertia effect on dynamic analysis of embedded FG porous nanobeams under deformable boundary conditions with the effect of neutral axis**
Uzun B., YAYLI M. Ö.
JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, vol.46, no.2, 2024 (SCI-Expanded)
- IX. **Porosity effects on the dynamic response of arbitrary restrained FG nanobeam based on the MCST**
Uzun B., Yaylı M. Ö.
Zeitschrift für Naturforschung - Section A Journal of Physical Sciences, vol.79, no.2, pp.183-197, 2024 (SCI-Expanded)
- X. **Size dependent torsional vibration of a rotationally restrained circular FG nanorod via strain gradient nonlocal elasticity**
Uzun B., CİVALEK Ö., Yaylı M. Ö.
ADVANCES IN NANO RESEARCH, no.2, pp.175-186, 2024 (SCI-Expanded)
- XI. **Vibration of embedded restrained composite tube shafts with nonlocal and strain gradient effects**
UZUN B., YAYLI M. Ö., CİVALEK Ö.
Acta Mechanica, 2024 (SCI-Expanded)
- XII. **Nonlinear stability analysis of embedded restrained nanobeams using the Stokes' transformation**
Uzun B., CİVALEK Ö., Yaylı M. Ö.
Mechanics Based Design of Structures and Machines, vol.52, no.5, pp.2504-2531, 2024 (SCI-Expanded)
- XIII. **Vibration analysis of embedded porous nanobeams under thermal effects using boosting machine learning algorithms and semi-analytical approach**
Tariq A., UZUN B., DELİKTAŞ B., YAYLI M. Ö.
Mechanics of Advanced Materials and Structures, 2024 (SCI-Expanded)
- XIV. **Torsional vibration behavior of a restrained non-circular nanowire in an elastic matrix**
UZUN B., Kafkas U., YAYLI M. Ö., Güçlü G.
Mechanics Based Design of Structures and Machines, 2024 (SCI-Expanded)
- XV. **Assessment of machine learning methods predicting the axial vibration frequencies of microbars**
Tariq A., Uzun B., Deliktaş B., Yaylı M. Ö.
ZAMM ZEITSCHRIFT FÜR ANGEWANDTE MATHEMATIK UND MECHANIK, pp.1-24, 2023 (SCI-Expanded)
- XVI. **Size-dependent nonlinear stability response of perforated nano/microbeams via Fourier series**
CİVALEK Ö., UZUN B., YAYLI M. Ö.
Archive of Applied Mechanics, vol.93, no.12, pp.4425-4443, 2023 (SCI-Expanded)
- XVII. **Size-dependent Levinson beam theory for thermal vibration of a nanobeam with deformable boundary conditions**
CİVALEK Ö., DELİKTAŞ B., Uzun B., Yaylı M. Ö.

- ZAMM-ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND MECHANIK, vol.103, 2023 (SCI-Expanded)
- XVIII. **Dynamics of a FG porous microbeam with metal foam under deformable boundaries**
CİVALEK Ö., ERSOY H., UZUN B., YAYLI M. Ö.
Acta Mechanica, vol.234, no.11, pp.5385-5404, 2023 (SCI-Expanded)
- XIX. **Stability analysis of arbitrary restrained nanobeam embedded in an elastic medium via nonlocal strain gradient theory**
UZUN B., YAYLI M. Ö.
JOURNAL OF STRAIN ANALYSIS FOR ENGINEERING DESIGN, vol.58, no.8, pp.672-683, 2023 (SCI-Expanded)
- XX. **Buckling analysis of perforated nano/microbeams with deformable boundary conditions via nonlocal strain gradient elasticity**
Kafkas U., Unal Y., YAYLI M. Ö., Uzun B.
ADVANCES IN NANO RESEARCH, no.4, pp.339-353, 2023 (SCI-Expanded)
- XXI. **An eigenvalue solution for nonlocal vibration of guide supported perfect/imperfect functionally graded power-law and sigmoid nanobeams on one-parameter elastic foundation**
CİVALEK Ö., Uzun B., YAYLI M. Ö.
ZAMM-ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND MECHANIK, vol.103, no.9, 2023 (SCI-Expanded)
- XXII. **On nonlinear stability analysis of saturated embedded porous nanobeams**
Civalek Ö., Uzun B., Yaylı M. Ö.
International Journal of Engineering Science, vol.190, 2023 (SCI-Expanded)
- XXIII. **Thermomechanical vibration analysis of a restrained nanobeam**
Civalek Ö., Uzun B., Yaylı M. Ö.
MICROSYSTEM TECHNOLOGIES, vol.2023, pp.1-13, 2023 (SCI-Expanded)
- XXIV. **Thermal vibration of perforated nanobeams with deformable boundary conditions via nonlocal strain gradient theory**
Kafkas U., Uzun B., YAYLI M. Ö., Guclu G.
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES, vol.78, no.8, pp.681-701, 2023 (SCI-Expanded)
- XXV. **Torsional static and vibration analysis of a non-circular restrained micro/nanowire**
Uzun B., Yaylı M. Ö.
WAVES IN RANDOM AND COMPLEX MEDIA, vol.2023, pp.1-25, 2023 (SCI-Expanded)
- XXVI. **A Hardening Nonlocal Elasticity Approach to Axial Vibration Analysis of an Arbitrarily Supported FG Nanorod**
Uzun B., Civalek O., YAYLI M. Ö.
PHYSICAL MESOMECHANICS, vol.26, no.3, pp.295-312, 2023 (SCI-Expanded)
- XXVII. **A hardening nonlocal approach for vibration of axially loaded nanobeam with deformable boundaries**
Uzun B., Civalek Ö., Yaylı M. Ö.
Acta Mechanica, vol.234, no.5, pp.2205-2222, 2023 (SCI-Expanded)
- XXVIII. **Torsional and axial vibration of restrained saturated nanorods via strain gradient elasticity**
UZUN B., CİVALEK Ö., YAYLI M. Ö.
Archive of Applied Mechanics, vol.93, no.4, pp.1605-1630, 2023 (SCI-Expanded)
- XXIX. **Critical buckling loads of embedded perforated microbeams with arbitrary boundary conditions via an efficient solution method**
Uzun B., Civalek Ö., Yaylı M. Ö.
Zeitschrift fur Naturforschung - Section A Journal of Physical Sciences, vol.78, no.2, pp.195-207, 2023 (SCI-Expanded)
- XXX. **Vibration of FG nano-sized beams embedded in Winkler elastic foundation and with various boundary conditions**
Uzun B., Civalek Ö., Yaylı M. Ö.
Mechanics Based Design of Structures and Machines, vol.51, no.1, pp.481-500, 2023 (SCI-Expanded)
- XXXI. **Torsional static and free vibration analysis of noncircular short-fiber-reinforced microwires with**

arbitrary boundary conditions

Civalek Ö., Uzun B., Yaylı M. Ö.

Polymer Composites, 2023 (SCI-Expanded)

- XXXII. **Thermal buckling analysis of a saturated porous thick nanobeam with arbitrary boundary conditions**
CİVALEK Ö., UZUN B., YAYLI M. Ö.
Journal of Thermal Stresses, vol.46, no.1, pp.1-21, 2023 (SCI-Expanded)
- XXXIII. **Axial and torsional free vibrations of restrained single-walled boron nitride nanotube (SWBNNT) embedded in an elastic medium via nonlocal strain gradient theory**
Uzun B., Civalek Ö., Yaylı M. Ö.
WAVES IN RANDOM AND COMPLEX MEDIA, vol.2022, pp.1-26, 2022 (SCI-Expanded)
- XXXIV. **Nonlocal Free Vibration of Embedded Short-Fiber-Reinforced Nano-/Micro-Rods with Deformable Boundary Conditions**
Uzun B., Civalek Ö., Yaylı M. Ö.
MATERIALS, vol.15, pp.1-25, 2022 (SCI-Expanded)
- XXXV. **Nonlocal strain gradient approach for axial vibration analysis of arbitrary restrained nanorod**
Uzun B., Civalek Ö., Yaylı M. Ö.
JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, vol.44, pp.532-550, 2022 (SCI-Expanded)
- XXXVI. **Size dependent torsional vibration of a restrained single walled carbon nanotube (SWCNT) via nonlocal strain gradient approach**
Uzun B., Civalek Ö., Yaylı M. Ö.
MATERIALS TODAY COMMUNICATIONS, vol.104271, pp.1-20, 2022 (SCI-Expanded)
- XXXVII. **Porosity dependent torsional vibrations of restrained FG nanotubes using modified couple stress theory**
Uzun B., Yaylı M. Ö.
MATERIALS TODAY COMMUNICATIONS, vol.103969, pp.1-15, 2022 (SCI-Expanded)
- XXXVIII. **Torsional and longitudinal vibration analysis of a porous nanorod with arbitrary boundaries**
CİVALEK Ö., UZUN B., YAYLI M. Ö.
Physica B: Condensed Matter, vol.633, 2022 (SCI-Expanded)
- XXXIX. **A Fourier sine series solution of static and dynamic response of nano/micro-scaled FG rod under torsional effect**
Civalek Ö., Uzun B., Yaylı M. Ö.
ADVANCES IN NANO RESEARCH, vol.12, no.5, pp.467-482, 2022 (SCI-Expanded)
- XL. **Finite element formulation for nano-scaled beam elements**
Civalek Ö., Uzun B., Yaylı M. Ö.
ZAMM Zeitschrift für Angewandte Mathematik und Mechanik, vol.102, no.3, 2022 (SCI-Expanded)
- XLI. **An effective analytical method for buckling solutions of a restrained FGM nonlocal beam**
Civalek O., UZUN B., YAYLI M. Ö.
COMPUTATIONAL & APPLIED MATHEMATICS, vol.41, no.2, 2022 (SCI-Expanded)
- XLII. **An eigenvalue solution for torsional vibrations of restrained porous nanorods using doublet mechanics theory**
Uzun B., Civalek Ö., Yaylı M. Ö.
Journal Of The Brazilian Society Of Mechanical Sciences And Engineering, vol.44, no.116, pp.1-15, 2022 (SCI-Expanded)
- XLIII. **Buckling analysis of restrained nanobeams using strain gradient elasticity**
Yaylı M. Ö., Uzun B., Deliktaş B.
Waves in Random and Complex Media, vol.32, no.6, pp.2960-2979, 2022 (SCI-Expanded)
- XLIV. **Torsional vibrations of functionally graded restrained nanotubes**
CİVALEK Ö., UZUN B., YAYLI M. Ö.
European Physical Journal Plus, vol.137, no.1, 2022 (SCI-Expanded)
- XLV. **Comparison of the Effect of Ketamine and Dexmedetomidine Combined with Total Intravenous**

Anesthesia in Laparoscopic Cholecystectomy Procedures: A Prospective Randomized Controlled Study

Mercanoglu E. E., Kelebek N. G., Turker G., Aksu H., YAYLI M. Ö., Karakuzu Z., Turkcan S., Ozcan B.
International Journal of Clinical Practice, vol.2022, 2022 (SCI-Expanded)

- XLVI. **A Fourier sine series solution of static and dynamic response of nano/micro micro-scaled FG rod under torsional effect**
CİVALEK Ö., UZUN B., YAYLI M. Ö.
Advances in Nano Research, vol.12, no.5, pp.467-482, 2022 (SCI-Expanded)
- XLVII. **Buckling analysis of nanobeams with deformable boundaries via doublet mechanics**
Civalek O., UZUN B., YAYLI M. Ö.
ARCHIVE OF APPLIED MECHANICS, vol.91, no.12, pp.4765-4782, 2021 (SCI-Expanded)
- XLVIII. **Size-Dependent Free Vibration of Silicon Nanobeams with Different Boundary Conditions and Beam Theories**
UZUN B., YAYLI M. Ö.
ACTA PHYSICA POLONICA A, vol.140, no.2, pp.161-174, 2021 (SCI-Expanded)
- XLIX. **Free vibration analysis of nanotube based sensors including rotary inertia based on the Rayleigh beam and modified couple stress theories**
Uzun B., Kafkas U., Yaylı M. Ö.
MICROSYSTEM TECHNOLOGIES-MICRO-AND NANOSYSTEMS-INFORMATION STORAGE AND PROCESSING SYSTEMS, vol.27, no.5, pp.1913-1923, 2021 (SCI-Expanded)
- L. **Vibration analysis of steel fiber reinforced self-compacting concrete beam on elastic foundation**
Ozdemir M. T., Kobya V., YAYLI M. Ö., MARDANI AGHABAGLOU A.
COMPUTERS AND CONCRETE, vol.27, no.2, pp.85-97, 2021 (SCI-Expanded)
- LI. **Longitudinal vibration analysis of FG nanorod restrained with axial springs using doublet mechanics**
CİVALEK Ö., UZUN B., YAYLI M. Ö.
Waves in Random and Complex Media, 2021 (SCI-Expanded)
- LII. **Axial dynamic analysis of a Bishop nanorod with arbitrary boundary conditions**
Uzun B., Kafkas U., Yaylı M. Ö.
ZAMM-ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND MECHANIK, vol.100, no.12, 2020 (SCI-Expanded)
- LIII. **Stability analysis of restrained nanotubes placed in electromagnetic field**
Uzun B., Kafkas U., Yaylı M. Ö.
MICROSYSTEM TECHNOLOGIES-MICRO-AND NANOSYSTEMS-INFORMATION STORAGE AND PROCESSING SYSTEMS, vol.26, no.12, pp.3725-3736, 2020 (SCI-Expanded)
- LIV. **Stability analysis of nanobeams placed in electromagnetic field using a finite element method**
Civalek Ö., Uzun B., Yaylı M. Ö.
Arabian Journal of Geosciences, vol.13, 2020 (SCI-Expanded)
- LV. **Frequency, bending and buckling loads of nanobeams with different cross sections**
Civalek O., Uzun B., Yaylı M. Ö.
ADVANCES IN NANO RESEARCH, vol.9, pp.91-104, 2020 (SCI-Expanded)
- LVI. **Size-dependent transverse and longitudinal vibrations of embedded carbon and silica carbide nanotubes by nonlocal finite element method**
Civalek O., Uzun B., Yaylı M. Ö., Akgöz B.
EUROPEAN PHYSICAL JOURNAL PLUS, vol.135, 2020 (SCI-Expanded)
- LVII. **Longitudinal vibration of carbon nanotubes with elastically restrained ends using doublet mechanics**
Yaylı M. Ö., Asa E.
MICROSYSTEM TECHNOLOGIES-MICRO-AND NANOSYSTEMS-INFORMATION STORAGE AND PROCESSING SYSTEMS, vol.26, pp.499-508, 2020 (SCI-Expanded)
- LVIII. **Nonlocal vibration analysis of Ti-6Al-4V/ZrO₂ functionally graded nanobeam on elastic matrix**
Uzun B., Yaylı M. Ö.
ARABIAN JOURNAL OF GEOSCIENCES, vol.13, 2020 (SCI-Expanded)
- LIX. **Free vibration of FG nanobeam using a finite-element method**

Uzun B., Yaylı M. Ö., Deliktaş B.

MICRO & NANO LETTERS, vol.15, pp.35-40, 2020 (SCI-Expanded)

- LX. **Free vibration analysis of a rotationally restrained (FG) nanotube**
YAYLI M. Ö.
MICROSYSTEM TECHNOLOGIES-MICRO-AND NANOSYSTEMS-INFORMATION STORAGE AND PROCESSING SYSTEMS, vol.25, no.10, pp.3723-3734, 2019 (SCI-Expanded)
- LXI. **Torsional vibration of cracked carbon nanotubes with torsional restraints using Eringen's nonlocal differential model**
YAYLI M. Ö., YEREL KANDEMİR S., ÇERÇEVİK A. E.
JOURNAL OF LOW FREQUENCY NOISE VIBRATION AND ACTIVE CONTROL, vol.38, no.1, pp.70-87, 2019 (SCI-Expanded)
- LXII. **Effects of rotational restraints on the thermal buckling of carbon nanotube**
YAYLI M. Ö.
MICRO & NANO LETTERS, vol.14, no.2, pp.158-162, 2019 (SCI-Expanded)
- LXIII. **On the torsional vibrations of restrained nanotubes embedded in an elastic medium**
YAYLI M. Ö.
JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, vol.40, no.9, 2018 (SCI-Expanded)
- LXIV. **Torsional vibrations of restrained nanotubes using modified couple stress theory**
YAYLI M. Ö.
MICROSYSTEM TECHNOLOGIES-MICRO-AND NANOSYSTEMS-INFORMATION STORAGE AND PROCESSING SYSTEMS, vol.24, no.8, pp.3425-3435, 2018 (SCI-Expanded)
- LXV. **Free longitudinal vibration of a nanorod with elastic spring boundary conditions made of functionally graded material**
YAYLI M. Ö.
MICRO & NANO LETTERS, vol.13, no.7, pp.1031-1035, 2018 (SCI-Expanded)
- LXVI. **An efficient solution method for the longitudinal vibration of nanorods with arbitrary boundary conditions via a hardening nonlocal approach**
YAYLI M. Ö.
JOURNAL OF VIBRATION AND CONTROL, vol.24, no.11, pp.2230-2246, 2018 (SCI-Expanded)
- LXVII. **Torsional vibration analysis of nanorods with elastic torsional restraints using non-local elasticity theory**
YAYLI M. Ö.
MICRO & NANO LETTERS, vol.13, no.5, pp.595-599, 2018 (SCI-Expanded)
- LXVIII. **Free vibration analysis of a single-walled carbon nanotube embedded in an elastic matrix under rotational restraints**
YAYLI M. Ö.
MICRO & NANO LETTERS, vol.13, no.2, pp.202-206, 2018 (SCI-Expanded)
- LXIX. **Buckling analysis of Euler columns embedded in an elastic medium with general elastic boundary conditions**
YAYLI M. Ö.
MECHANICS BASED DESIGN OF STRUCTURES AND MACHINES, vol.46, no.1, pp.110-122, 2018 (SCI-Expanded)
- LXX. **Buckling analysis of a cantilever single-walled carbon nanotube embedded in an elastic medium with an attached spring**
YAYLI M. Ö.
MICRO & NANO LETTERS, vol.12, no.4, pp.255-259, 2017 (SCI-Expanded)
- LXXI. **A compact analytical method for vibration of micro-sized beams with different boundary conditions**
YAYLI M. Ö.
MECHANICS OF ADVANCED MATERIALS AND STRUCTURES, vol.24, no.6, pp.496-508, 2017 (SCI-Expanded)
- LXXII. **Buckling analysis of a microbeam embedded in an elastic medium with deformable boundary conditions**

- YAYLI M. Ö.
MICRO & NANO LETTERS, vol.11, no.11, pp.741-745, 2016 (SCI-Expanded)
- LXXXIII. **A practical method for calculating eigenfrequencies of a cantilever microbeam with the attached tip mass**
YAYLI M. Ö., YEREL KANDEMİR S., ÇERÇEVİK A. E.
JOURNAL OF VIBROENGINEERING, vol.18, no.5, pp.3070-3077, 2016 (SCI-Expanded)
- LXXXIV. **A compact analytical method for vibration analysis of single-walled carbon nanotubes with restrained boundary conditions**
Yayli M. Ö.
JOURNAL OF VIBRATION AND CONTROL, vol.22, no.10, pp.2542-2555, 2016 (SCI-Expanded)
- LXXXV. **Longitudinal vibration of nanorods embedded in an elastic medium with elastic restraints at both ends**
Yayli M. Ö., Yanik F., Kandemir S. Y.
MICRO & NANO LETTERS, vol.10, no.11, pp.641-644, 2015 (SCI-Expanded)
- LXXXVI. **Stability analysis of gradient elastic microbeams with arbitrary boundary conditions**
Yayli M. Ö.
JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, vol.29, no.8, pp.3373-3380, 2015 (SCI-Expanded)
- LXXXVII. **Buckling Analysis of a Rotationally Restrained Single Walled Carbon Nanotube**
Yayli M. Ö.
ACTA PHYSICA POLONICA A, vol.127, no.3, pp.678-683, 2015 (SCI-Expanded)
- LXXXVIII. **Axial vibration analysis of cracked nanorods with arbitrary boundary conditions**
Yayli M. Ö., Çerçevik A. E.
Journal of Vibroengineering, vol.17, no.6, pp.2907-2921, 2015 (SCI-Expanded)
- LXXXIX. **On the axial vibration of carbon nanotubes with different boundary conditions**
Yayli M. Ö.
MICRO & NANO LETTERS, vol.9, no.11, pp.807-811, 2014 (SCI-Expanded)
- LXXX. **Variational Iteration Technique and Weighted Residual Methods for Gradient Elastic Microbeams**
Yayli M. Ö.
JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE, vol.11, no.9, pp.2023-2033, 2014 (SCI-Expanded)
- LXXXI. **An Efficient Analytical Method for Vibration Analysis of a Beam on Elastic Foundation with Elastically Restrained Ends**
Yayli M. Ö., Aras M., Aksoy S.
SHOCK AND VIBRATION, vol.2014, 2014 (SCI-Expanded)
- LXXXII. **Free Vibration Behavior of a Gradient Elastic Beam with Varying Cross Section**
Yayli M. Ö.
SHOCK AND VIBRATION, vol.2014, 2014 (SCI-Expanded)
- LXXXIII. **Torsion of Nonlocal Bars with Equilateral Triangle Cross Sections**
Yayli M. Ö.
JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE, vol.10, no.2, pp.376-379, 2013 (SCI-Expanded)
- LXXXIV. **Closed-Form Solutions for Gradient Elastic Beams with Geometric Discontinuities by Laplace Transform**
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Metrics

Publication: 140

Citation (WoS): 1271

Citation (Scopus): 1353

H-Index (WoS): 23

H-Index (Scopus): 22

Awards

Yaylı M. Ö., 2022 Yılı Bilim, Özel, Teşvik ve Hizmet Ödülleri Yıllık Etki İndeksinde %2'lik Dilime Giren Bilim İnsanı Ödülü,
Bursa Uludağ Üniversitesi, December 2023

Yaylı M. Ö., 2021 Yılı Bilim, Özel, Teşvik ve Hizmet Ödülleri Yıllık Etki İndeksinde %2'lik Dilime Giren Bilim İnsanı Ödülü,
Bursa Uludağ Üniversitesi, December 2022

Yaylı M. Ö., 2020 Yılı Bilim, Özel, Teşvik ve Hizmet Ödülleri Yıllık Etki İndeksinde %2'lik Dilime Giren Bilim İnsanı Ödülü,
Bursa Uludağ Üniversitesi, December 2021

Non Academic Experience

Sakarya İl Özel İdaresi

Sakarya İl Özel İdaresi

Karabük İl Özel İdaresi

Köy Hizmetleri Genel Müdürlüğü

Adapazarı Camili 1. Etap Kalıcı Konut İnşaatı (MEER Projesi)