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International Researcher IDs

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Publons / Web Of Science ResearcherID: HPH-2359-2023

ScopusID: 14627859100

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Education Information

Doctorate, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Matematik Mühendisliği Bölümü, Turkey 2001 - 2006

Postgraduate, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Matematik Mühendisliği Bölümü, Turkey 1998 - 2001

Undergraduate, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Matematik Mühendisliği Bölümü, Turkey 1993 - 1997

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, ÇOK KATLI VİSKOELASTİK YARI UZAYLARIN YÜZEYSEL STABİLİTE KAYBI, Yıldız Teknik Üniversitesi, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, Matematik Mühendisliği Bölümü, 2006

Postgraduate, SPLİNE İLE EĞRİ VE YÜZEY OLUŞTURMA, Yıldız Teknik Üniversitesi, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, Matematik Mühendisliği Bölümü, 2001

Research Areas

Mathematics, Differential Equations, Fourier Analysis, Natural Sciences

Academic Titles / Tasks

Associate Professor, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Mathematics Engineering, 2021 - Continues

Assistant Professor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Mathematics Engineering, 2018 - 2021

Assistant Professor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Mathematics Engineering, 2012 - 2018

Courses

İleri Nümerik Analiz, Postgraduate, 2018 - 2019, 2017 - 2018

Mekanik 1, Undergraduate, 2019 - 2020

İleri Analiz 1, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

İleri Analiz 2, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Adi Diferansiyel Denklemlerin Nümerik Çözümleri, Undergraduate, 2018 - 2019, 2014 - 2015

Mekanik 1, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017

Bitirme Çalışması, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Matematik Mühendisliğinde Tasarım Uygulamaları, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Sayısal Analiz, Undergraduate, 2015 - 2016

Nümerik Analiz 1, Undergraduate, 2015 - 2016, 2014 - 2015

Adi Dif. Denk. Nümerik Çöz., Undergraduate, 2013 - 2014

Matematik Analiz IV, Undergraduate, 2013 - 2014, 2012 - 2013

Mat.Müh.Tas.Uyg., Undergraduate, 2013 - 2014

Olasılık Teorisi, Undergraduate, 2012 - 2013

Nümerik Analiz 1, Undergraduate, 2013 - 2014, 2012 - 2013

Matematik Analiz III, Undergraduate, 2013 - 2014, 2012 - 2013

Matematik Analiz 2, Undergraduate, 2011 - 2012

Bilişim Etiği, Undergraduate, 2011 - 2012

Statik ve Mukavemet, Undergraduate, 2011 - 2012

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **ON THE TRAVELING WAVE SOLUTIONS OF PULSE PROPAGATION IN MONOMODE FIBER VIA THE EXTENDED KUDRYASHOV'S APPROACH**
Tekercioğlu R.
Thermal Science, vol.26, no.Special Issue 1, 2022 (SCI-Expanded)
- II. **Flow field analysis of grooved surfaces**
Bayraktar S., Tekercioğlu R., Dincel A.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.16, no.9, pp.5365-5368, 2019 (SCI-Expanded)
- III. **SELF-EQUILIBRATED STRESSES IN THE SYSTEM COMPOSED OF A COVERING LAYER plus SPATIALLY LOCALLY CURVED REINFORCING LAYER plus HALF-SPACE**
Tekercioğlu R.
THERMAL SCIENCE, vol.23, 2019 (SCI-Expanded)
- IV. **STRESS DISTRIBUTION CAUSED BY CO-PHASE LOCALLY SPATIALLY CURVED LAYERS IN AN INFINITE ELASTIC BODY UNDER BI-AXIAL COMPRESSION**
Tekercioğlu R.
THERMAL SCIENCE, vol.23, 2019 (SCI-Expanded)
- V. **Dispersion relations of axisymmetric wave propagation in finite pre-stretched compound circular cylinders made from highly elastic incompressible materials**
AKBAROV S., Guliev M., Tekercioğlu R.
CMES - Computer Modeling in Engineering and Sciences, vol.55, no.1, pp.1-31, 2010 (SCI-Expanded)

- VI. **Surface undulation instability of the viscoelastic half-space covered with the stack of layers in bi-axial compression**
Akbarov S., TEKERCIOĞLU R.
INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, vol.49, no.6, pp.778-789, 2007 (SCI-Expanded)
- VII. **Near-surface buckling instability of a system consisting of a moderately rigid substrate, a viscoelastic bond layer, and an elastic covering layer**
Akbarov S., TEKERCIOĞLU R.
MECHANICS OF COMPOSITE MATERIALS, vol.42, no.4, pp.363-372, 2006 (SCI-Expanded)

Articles Published in Other Journals

- I. **On the optical soliton solutions of (2+1)-Biswas-Milovic equation via modified new Kudryashov method**
Tekercioğlu R.
Avrupa Bilim ve Teknoloji Dergisi, vol.51, pp.14-20, 2023 (Peer-Reviewed Journal)
- II. **Non-topological Soliton Solution of (2+1)-dimensional Complex Three Coupled Nonlinear Maccari's Model via Modified New Kudryashov Scheme**
ÖZİŞİK M., TEKERCİOĞLU R.
Avrupa Bilim ve Teknoloji Dergisi, 2022 (Peer-Reviewed Journal)
- III. **Yarı Uzay Üzerinde İki Katlı Yerel Eğrilikli Levha ile Bir Örten Levhadan Oluşan Sistemde Normal Gerilmeler Hakkında**
TEKERCİOĞLU R.
Avrupa Bilim ve Teknoloji Dergisi, no.19, pp.866-872, 2020 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **On a Stress Analysis in an Infinite Elastic Body with Local Curving of Layers Under Bi-axial Compression**
TEKERCİOĞLU R.
International Conference on Applied Analysis and Mathematical Modeling (ICAAMM 2019), İstanbul, Turkey, 10 March 2019, pp.187
- II. **Stress Distribution Caused by Local Curving of Layers in an Infinite Elastic Body under Bi-axial Compression**
Tekercioğlu R.
International Conference on Mathematics: An Istanbul Meeting for World Mathematicians, İstanbul, Turkey, 03 July 2018 - 06 July 2019, pp.304
- III. **Self-balanced stresses in the system consisting of a covering layer + spatially locally curved layer + half-space**
TEKERCİOĞLU R., AKBAROV S. D.
ICCESEN 2017, Antalya, Turkey, 04 October 2017, vol.1, no.1, pp.517
- IV. **Legendre-Wavelet Galerkin Method for the Solution of Fractional Order Differential Equations System**
Seçer A., Taşçı F., Turan Dincel A., Tekercioğlu R.
ICCESEN 2017, Antalya, Turkey, 04 October 2017, vol.1, no.1, pp.204
- V. **Flow Field Analysis of Grooved Surfaces**
BAYRAKTAR S., TEKERCİOĞLU R., TURAN DİNCEL A.
4th International Conference on Computational and Experimental Science and Engineering, 4 - 08 October 2017
- VI. **S3 Graded iso (1,2)**
Uçan Y., Köşker R., Tekercioğlu R.

6th International Eurasian Conference on Mathematical Sciences and Applications, Budapest, Hungary, 15 - 18 August 2017, pp.30-31

VII. **Stress Distribution In Layered Half-Space Caused By Spatially Local Curving Of The Near-Surface Reinforcing Layer**

TEKERÇİOĞLU R.

XVIII International Conference, Mechanics Of Composite Materials, Riga, Latvia, 02 June 2014, vol.1, no.1, pp.183

VIII. **Fractional Supersymmetric $sl(2)$: $U_{35}(sl(2))$ and $U_{36}(sl(2))$**

UÇAN Y., KÖŞKER R., TEKERÇİOĞLU R., TURAN DİNCEL A.

IECMSA-2013: 2nd International Eurasian Conference on Mathematical Sciences and Applications, Sarajevo, Kosova, 26 August 2013, pp.217

IX. **Near-surface stability loss of a system consisting of a moderately rigid half-space, a viscoelastic bond and covering elastic layers in a bi-axial compression**

AKBAROV S. D., TEKERÇİOĞLU R.

Conference on Damage in Composite Materials: Non-Destructive Testing and Simulation (CDCM06), Stuttgart, Germany, 18 September 2006, pp.155-156

X. **Surface Instability of a System Consisting of a Moderately Rigid Substrate, Viscoelastic Bonding Layer, and an Elastic Covering Layer**

AKBAROV S. D., TEKERÇİOĞLU R.

XIV International Conference - Mechanics of Composite Materials, Riga, Latvia, 29 May 2006, pp.7

XI. **Near-surface fracture of the visco-elastic layered composites in compression**

AKBAROV S. D., TEKERÇİOĞLU R.

7th International Fracture Conference (IFC-7), Kocaeli, Turkey, 19 October 2005, vol.2, pp.763-773

XII. **İki katlı visko-elastik levha ile örtülmüş yarı-düzlemin yüzeysel stabilite kaybı**

AKBAROV S. D., TEKERÇİOĞLU R.

XIV. Ulusal Mekanik Kongresi, Hatay, Turkey, 12 September 2005, pp.35-44

XIII. **Near-surface stability loss of the stratified visco-elastic half-space in a bi-axial compression**

AKBAROV S. D., TEKERÇİOĞLU R.

Twelfth Annual International Conference on Composites/Nano Engineering (ICCE-12), Tenerife, Canary Islands, Spain, 01 August 2005, pp.1-2

Metrics

Publication: 25

Citation (WoS): 26

Citation (Scopus): 30

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