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Education Information

Doctorate, The University of Birmingham, School Of Mechanical And Manufacturing Engineering, Mechanics, United Kingdom 1990 - 1994

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Makina Mühendisliği, Turkey 1985 - 1987

Undergraduate, Erciyes University, Mühendislik Fakültesi, Makina Mühendisliği, Turkey 1981 - 1985

Foreign Languages

English, C1 Advanced

Research Areas

Technical Sciences, Mechanical Engineering, Mechanical, Solid Mechanics, Fracture Mechanics, Finite Element Methods, Continuous Mechanics, Aeronautical and Space Engineering, Aeronautical Engineering , Structural Technologies, Aeroelasticity

Academic Titles / Tasks

Professor, Erciyes University, Mühendislik Fakültesi, Makina Mühendisliği, 2004 - Continues

Associate Professor, Erciyes University, Mühendislik Fakültesi, Makina Mühendisliği, 1998 - 2004

Assistant Professor, Erciyes University, Mühendislik Fakültesi, Makina Mühendisliği, 1994 - 1998

Research Assistant, Erciyes University, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 1985 - 1994

Academic and Administrative Experience

Erciyes Üniversitesi, 2016 - Continues

Erciyes Üniversitesi, 2016 - Continues

Erciyes University, 1997 - Continues

Erciyes Üniversitesi, Mühendislik Fakültesi, Makina Mühendisliği, 1995 - Continues

Erciyes University, 2016 - 2018

Erciyes Üniversitesi, Havacılık ve Uzay Bilimleri Fakültesi, 2012 - 2016
Erciyes Üniversitesi, Havacılık ve Uzay Bilimleri Fakültesi, 2012 - 2016
Erciyes Üniversitesi, Havacılık ve Uzay Bilimleri Fakültesi, 2012 - 2016
Erciyes University, 2012 - 2016
Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, 2007 - 2016
Erciyes University, 2010 - 2015
Erciyes Üniversitesi, Sivil Havacılık Yüksekokulu, 2010 - 2015
Erciyes Üniversitesi, Sivil Havacılık Yüksekokulu, 2007 - 2015
Erciyes Üniversitesi, Sivil Havacılık Yüksekokulu, 2007 - 2015
Erciyes Üniversitesi, Sivil Havacılık Yüksekokulu, 2007 - 2010
Erciyes University, 2007 - 2010
Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, 2004 - 2010
Erciyes Üniversitesi, Mühendislik Fakültesi, 2005 - 2008
Erciyes University, 2004 - 2007
Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, 2004 - 2007
Erciyes Üniversitesi, Sivil Havacılık Yüksekokulu, 1998 - 2005

Courses

ELASTİSİTE TEORİSİ - I, Postgraduate, 2011 - 2012
ELASTİSİTE TEORİSİ - II, Doctorate, 2011 - 2012
STRENGTH OF MATERIALS - I, Undergraduate, 2011 - 2012
STRENGTH OF MATERIALS - II, Undergraduate, 2011 - 2012
MÜHENDİSLİK MATEMATİĞİ - II, Undergraduate, 2011 - 2012
MÜHENDİSLİK MATEMATİĞİ - I, Undergraduate, 2011 - 2012
STATİK, Undergraduate, 2006 - 2007
KİNETİK (Dinamik), Undergraduate, 2006 - 2007
KİNEMATİK (Dinamik), Undergraduate, 2006 - 2007

Advising Theses

APALAK M. K., YAPIŞTIRICI İLE BİRLEŞTİRİLMİŞ METAL ÇUBUKLARIN BURKULMA ANALİZİ, Postgraduate, K.Gül(Student), 2017
APALAK M. K., YAPIŞTIRICI İLE BİRLEŞTİRİLMİŞ TABAKALI KOMPOZİT ÇUBUKLARIN BURKULMA ANALİZİ, Postgraduate, Y.Erhan(Student), 2017
APALAK M. K., YAPIŞTIRICI İLE BİRLEŞTİRİLMİŞ TEK BİNDİRME BAĞLANTILARIN EĞİK DARBE ALTINDAKİ DAVRANIŞLARININ İNCELENMESİ, Postgraduate, M.Gökhan(Student), 2015
APALAK M. K., SANDVIÇ KİRİŞLERİN EĞİLME DARBE DAVRANIŞLARININ İNCELENMESİ, Postgraduate, U.ÇALIŞKAN(Student), 2014
APALAK M. K., FONKSİYONEL KADEMELENDİRİLMİŞ PLAKALARIN BALİSTİK DAVRANIŞLARININ İNCELENMESİ, Doctorate, M.AYDIN(Student), 2014
APALAK M. K., İKİ BOYUTLU İŞLEVSEL KADEMELENDİRİLMİŞ PLAĞIN SERBEST TİTREŞİM ANALİZİ, Doctorate, O.ÖZARSLAN(Student), 2013
APALAK M. K., FONKSİYONEL KADEMELENDİRİLMİŞ DAİRESEL SİLİNDİRDE ELASTİK DALGA YAYILIMI, Postgraduate, M.DÖRDÜNCÜ(Student), 2013
APALAK M. K., DÜZLEM İÇİ ISIL YÜKE MARUZ İKİ YÖNLÜ İŞLEVSEL KADEMELENDİRİLMİŞ DÖRTGEN VE DAİRESEL PLAKALARIN ISIL GERİLME ANALİZİ, Doctorate, M.Didem(Student), 2012
APALAK M. K., YAPIŞTIRICI İLE BİRLEŞTİRİLMİŞ BAĞLANTILARIN DÜŞÜK HIZLI DARBE DAVRANIŞLARI, Doctorate, M.YILDIRIM(Student), 2011

APALAK M. K., METAL MATRİSLİ KOMPOZİTLERİN BATMA ALTINDA MEKANİK DAVRANIŞLARINA MİKROYAPININ ETKİSİ, Doctorate, R.EKİCİ(Student), 2009

APALAK M. K., DÜZLEM İÇİ ISIL YÜKE MARUZ TEK YÖNLÜ İŞLEVSEL KADEMELENDİRİLMİŞ PLAKA VE DİSK BAĞLANTILARIN ISIL GERİLME ANALİZİ, Postgraduate, M.Didem(Student), 2009

APALAK M. K., YAPIŞTIRICIYLA BİRLEŞTİRİLMİŞ ALÜMİNYUM T TİPİ BAĞLANTILARIN MODAL ANALİZİ VE TİTREŞİM KONTROLÜ, Postgraduate, Ş.Murat(Student), 2008

APALAK M. K., YAPIŞTIRICI İLE BİRLEŞTİRİLMİŞ BİNDİRME BAĞLANTILARIN MODAL ANALİZİ VE TİTREŞİM KONTROLÜ, Postgraduate, M.YILDIRIM(Student), 2006

APALAK M. K., DÜŞÜK HIZLI UÇAKLARDA AERODİNAMİK PERVANE TASARIMI VE OPTİMİZASYONU, Postgraduate, H.DEMİRTAŞ(Student), 2006

APALAK M. K., YAPIŞTIRICI İLE BİRLEŞTİRİLMİŞ TEK YÖNLÜ TABAKALI KOMPOZİT TEK BİNDİRME BAĞLANTILARINDA HASAR OLUŞUMU VE GELİŞİMİ, Postgraduate, M.Serdar(Student), 2005

APALAK M. K., ÇOK KATMANLI VE FONKSİYONEL KADEMELENDİRİLMİŞ KOMPOZİT PLAKALARDA ISIL ARTIK GERİLMELERİN ANALİZİ, Doctorate, R.GÜNEŞ(Student), 2005

APALAK M. K., YAPIŞTIRICIYLA BİRLEŞTİRİLMİŞ BİNDİRME BAĞLANTILARINDA HASAR BÖLGESİ OLUŞUMU VE GELİŞİMİNİN İNCELENMESİ, Doctorate, A.ENGİN(Student), 2003

APALAK M. K., YAPIŞTIRICI İLE BİRLEŞTİRİLMİŞ BİR BİNDİRME BAĞLANTISININ LAZER NOKTA KAYNAĞI ESNASINDA ORTAYA ÇIKAN ISI TRANSFERİNİN VE ISIL GERİLMELERİN İNCELENMESİ,, Postgraduate, F.ŞEN(Student), 2001

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Determination of three-dimensional thermo-mechanical behavior of bidirectional functionally graded rectangular plates with the theory of elasticity**
DEMİRBAŞ M. D., APALAK M. K., EKİCİ R.
Mechanics of Advanced Materials and Structures, vol.31, no.7, pp.1534-1562, 2024 (SCI-Expanded)
- II. **Finite Element Analysis of Low-Speed Oblique Impact Behavior of Adhesively Bonded Composite Single-Lap Joints**
ATAHAN M. G., APALAK M. K.
Applied Composite Materials, vol.30, no.3, pp.955-985, 2023 (SCI-Expanded)
- III. **Low-Speed Oblique Impact Response of Adhesively Bonded Dissimilar Single-Lap Joints**
ATAHAN M. G., APALAK M. K.
Journal of Aerospace Engineering, vol.35, no.5, 2022 (SCI-Expanded)
- IV. **Experimental Investigation of Oblique Impact Behavior of Adhesively Bonded Composite Single-Lap Joints**
ATAHAN M. G., APALAK M. K.
APPLIED COMPOSITE MATERIALS, vol.29, no.3, pp.1293-1319, 2022 (SCI-Expanded)
- V. **Evaluation of geometrically nonlinear and elastoplastic behavior of functionally graded plates under mechanical loading-unloading**
Arslan K., Güneş R., Apalak M. K., Reddy J.
MECHANICS OF ADVANCED MATERIALS AND STRUCTURES, vol.29, no.11, pp.1587-1600, 2022 (SCI-Expanded)
- VI. **Flexural impact response and damage detection of composite sandwich beam with various PVC foam cores**
Çalışkan U., Apalak M. K.
MECHANICS OF ADVANCED MATERIALS AND STRUCTURES, vol.29, no.9, pp.1276-1293, 2022 (SCI-Expanded)
- VII. **Low-speed bending impact behaviour of adhesively bonded dissimilar single-lap joints**
ATAHAN M. G., APALAK M. K.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.36, no.16, pp.1794-1822, 2022 (SCI-Expanded)
- VIII. **Loading-rate effect on tensile and bending strength of 3D-printed polylactic acid adhesively bonded joints**
ATAHAN M. G., APALAK M. K.

JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.36, no.3, pp.317-344, 2022 (SCI-Expanded)

- IX. **Numerical investigation on normal and oblique ballistic impact behavior of functionally graded plates**
Güneş R., Hakan M., Apalak M. K., Reddy J.
MECHANICS OF ADVANCED MATERIALS AND STRUCTURES, vol.28, no.20, pp.2114-2130, 2021 (SCI-Expanded)
- X. **Numerical model for composite patch repair of notched aluminum plates under impact loading**
Çalışkan U., Ekici R., Yıldız Bayazit A., Apalak M. K.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L-JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS, vol.235, no.5, pp.958-973, 2021 (SCI-Expanded)
- XI. **Experimental study on structure optimization of functionally graded sandwich plates under ballistic impact**
AYDIN M., APALAK M. K., APALAK Z. G.
JOURNAL OF COMPOSITE MATERIALS, vol.54, no.26, pp.3967-3980, 2020 (SCI-Expanded)
- XII. **Elastic flexural analysis of adhesively bonded similar and dissimilar beams using refined zigzag theory and peridynamic differential operator**
DÖRDÜNCÜ M., APALAK M. K.
INTERNATIONAL JOURNAL OF ADHESION AND ADHESIVES, vol.101, 2020 (SCI-Expanded)
- XIII. **Thermoelastic analysis of temperature-dependent functionally graded rectangular plates using finite element and finite difference methods**
Demirbaş M. D., Ekici R., Apalak M. K.
MECHANICS OF ADVANCED MATERIALS AND STRUCTURES, vol.27, pp.707-724, 2020 (SCI-Expanded)
- XIV. **A study on low-velocity impact performance of notched GFRP composites repaired by different composite patches: Experiment and modeling**
Çalışkan U., Ekici R., Yıldız E., Apalak M. K.
POLYMER COMPOSITES, vol.41, no.4, pp.1323-1340, 2020 (SCI-Expanded)
- XV. **Impact penetration and perforation performance of square sandwich panels with EPS foam core**
ÇALIŞKAN U., APALAK M. K.
SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, vol.45, no.1, 2020 (SCI-Expanded)
- XVI. **Thermal stress analysis of one- and two-dimensional functionally graded plates subjected to in-plane heat fluxes**
Demirbaş M. D., Apalak M. K.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L-JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS, vol.233, pp.546-562, 2019 (SCI-Expanded)
- XVII. **Stress wave propagation in adhesively bonded functionally graded cylinders: an improved model**
Dorduncu M., Apalak M. K., Reddy J. N.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.33, pp.156-186, 2019 (SCI-Expanded)
- XVIII. **Bending impact behaviour of sandwich beams with expanded polystyrene foam core: Analysis**
Çalışkan U., Apalak M. K.
JOURNAL OF SANDWICH STRUCTURES & MATERIALS, vol.21, pp.230-259, 2019 (SCI-Expanded)
- XIX. **Low speed impact behaviour of adhesively bonded foam-core sandwich T-joints**
ÇALIŞKAN U., APALAK M. K.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.33, no.3, pp.217-242, 2019 (SCI-Expanded)
- XX. **Ballistic performance of honeycomb sandwich structures reinforced by functionally graded face plates**
GÜNEŞ R., ARSLAN K., APALAK M. K., REDDY J. N.
JOURNAL OF SANDWICH STRUCTURES & MATERIALS, vol.21, no.1, pp.211-229, 2019 (SCI-Expanded)
- XXI. **Investigation of the Thermo-elastic Response of Adhesively Bonded Two-Dimensional Functionally Graded Circular Plates Based on Theory of Elasticity**
DEMİRBAŞ M. D., APALAK M. K.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF MECHANICAL ENGINEERING, vol.42, no.4, pp.415-433, 2018 (SCI-Expanded)

- XXII. **Stress wave propagation in a functionally graded adhesive layer between two identical cylinders**
DÖRDÜNCÜ M., APALAK M. K., Reddy J.
JOURNAL OF ADHESION, vol.0, no.0, pp.1-36, 2018 (SCI-Expanded)
- XXIII. **Thermal stress analysis of in-plane two-directional functionally graded plates subjected to in-plane edge heat fluxes**
APALAK M. K., DEMİRBAŞ M. D.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L-JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS, vol.232, no.8, pp.693-716, 2018 (SCI-Expanded)
- XXIV. **Experimental tests and numerical modeling of ballistic impact on honeycomb sandwich structures reinforced by functionally graded plates**
ARSLAN K., GÜNEŞ R., APALAK M. K., REDDY J. N.
JOURNAL OF COMPOSITE MATERIALS, vol.51, no.29, pp.4009-4028, 2017 (SCI-Expanded)
- XXV. **Low-speed bending impact behavior of adhesively bonded single-lap joints**
Atahan M. G., Apalak M. K.
Journal of Adhesion Science and Technology, vol.31, pp.1545-1575, 2017 (SCI-Expanded)
- XXVI. **Low velocity bending impact behavior of foam core sandwich beams: Experimental**
Çalışkan U., Apalak M. K.
Composites Part B: Engineering, vol.112, pp.158-175, 2017 (SCI-Expanded)
- XXVII. **Experimental damage analysis of Al/SiC functionally graded sandwich plates under ballistic impact**
AYDIN M., APALAK M. K.
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.671, pp.107-117, 2016 (SCI-Expanded)
- XXVIII. **Stress wave propagation in adhesively bonded functionally graded circular cylinders**
Dorduncu M., APALAK M. K.
Journal of Adhesion Science and Technology, vol.30, no.12, pp.1281-1309, 2016 (SCI-Expanded)
- XXIX. **Thermal residual stresses in in-plane functionally graded clamped hollow circular plates subjected to an edge heat flux**
APALAK M. K., DEMİRBAŞ M. D.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L-JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS, vol.229, no.3, pp.236-260, 2015 (SCI-Expanded)
- XXX. **Elastic wave propagation in functionally graded circular cylinders**
Dorduncu M., APALAK M. K., Cherukuri H. P.
COMPOSITES PART B-ENGINEERING, vol.73, pp.35-48, 2015 (SCI-Expanded)
- XXXI. **Stress wave propagation in adhesively bonded similar and dissimilar circular cylinders**
Dorduncu M., APALAK M. K.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.29, no.8, pp.778-806, 2015 (SCI-Expanded)
- XXXII. **Experimental investigation on transverse low-speed impact behavior of adhesively bonded similar and dissimilar clamped plates**
Yildirim M., APALAK M. K.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.28, no.13, pp.1219-1242, 2014 (SCI-Expanded)
- XXXIII. **Free vibration analysis of an adhesively bonded functionally graded double containment cantilever joint**
APALAK Z. G., EKİCİ R., Yildirim M., APALAK M. K.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.28, no.12, pp.1117-1139, 2014 (SCI-Expanded)
- XXXIV. **Simulated and actual micro-structure models on the indentation behaviors of particle reinforced metal matrix composites**
EKİCİ R., APALAK M. K., Yildirim M., NAİR F.
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.606, pp.290-298, 2014 (SCI-Expanded)
- XXXV. **The Artificial Bee Colony algorithm in layer optimization for the maximum fundamental frequency of symmetrical laminated composite plates**

- APALAK M. K., KARABOĞA D., AKAY B.
ENGINEERING OPTIMIZATION, vol.46, no.3, pp.420-437, 2014 (SCI-Expanded)
- XXXVI. **Experimental and numerical investigations of low velocity impact on functionally graded circular plates**
GÜNEŞ R., AYDIN M., APALAK M. K., REDDY J. N.
COMPOSITES PART B-ENGINEERING, vol.59, pp.21-32, 2014 (SCI-Expanded)
- XXXVII. **Functionally Graded Adhesively Bonded Joints : critical review**
APALAK M. K.
REVIEWS OF ADHESION AND ADHESIVES, vol.2, pp.56-84, 2014 (SCI-Expanded)
- XXXVIII. **Thermal residual stresses in adhesively bonded in-plane functionally graded clamped circular hollow plates**
APALAK M. K., DEMİRBAŞ M. D.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.27, no.14, pp.1590-1623, 2013 (SCI-Expanded)
- XXXIX. **Layer Optimization for Maximum Fundamental Frequency of Rigid Point-Supported Laminated Composite Plates**
APALAK Z. G., APALAK M. K., EKİCİ R., YILDIRIM M.
POLYMER COMPOSITES, vol.32, no.12, pp.1988-2000, 2011 (SCI-Expanded)
- XL. **Indentation behavior of functionally graded Al-SiC metal matrix composites with random particle dispersion**
EKİCİ R., APALAK M. K., YILDIRIM M.
COMPOSITES PART B-ENGINEERING, vol.42, no.6, pp.1497-1507, 2011 (SCI-Expanded)
- XLI. **Impact performance of Al/SiC functionally graded circular plates**
APALAK M. K., GÜNEŞ R., AYDIN M., REDDY J. N.
INTERNATIONAL JOURNAL OF MATERIALS & PRODUCT TECHNOLOGY, vol.42, pp.56-65, 2011 (SCI-Expanded)
- XLII. **Effect of Adhesive Thickness on Transverse Low-Speed Impact Behavior of Adhesively Bonded Similar and Dissimilar Clamped Plates**
APALAK M. K., YILDIRIM M.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.25, no.19, pp.2587-2613, 2011 (SCI-Expanded)
- XLIII. **THERMAL RESIDUAL STRESSES IN ONE-DIRECTIONAL FUNCTIONALLY GRADED PLATES SUBJECTED TO IN-PLANE HEAT FLUX**
BAĞCI M. D., APALAK M. K.
NUMERICAL HEAT TRANSFER PART A-APPLICATIONS, vol.60, no.1, pp.50-83, 2011 (SCI-Expanded)
- XLIV. **Transverse Low-Speed Impact Behavior of Adhesively Bonded Similar and Dissimilar Clamped Plates**
YILDIRIM M., APALAK M. K.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.25, pp.69-91, 2011 (SCI-Expanded)
- XLV. **The elasto-plastic impact analysis of functionally graded circular plates under low-velocities**
GÜNEŞ R., AYDIN M., APALAK M. K., REDDY J. N.
COMPOSITE STRUCTURES, vol.93, no.2, pp.860-869, 2011 (SCI-Expanded)
- XLVI. **Free Vibration Analysis of an Adhesively Bonded Functionally Graded Tubular Single Lap Joint**
GÜNEŞ R., APALAK M. K., YILDIRIM M.
JOURNAL OF ADHESION, vol.87, no.9, pp.902-925, 2011 (SCI-Expanded)
- XLVII. **Thermal Residual Stresses in Adhesively Bonded In-plane Functionally Graded Clamped Plates Subjected to an Edge Heat Flux**
APALAK M. K., BAĞCI M. D.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.25, no.15, pp.1861-1908, 2011 (SCI-Expanded)
- XLVIII. **Effects of random particle dispersion and size on the indentation behavior of SiC particle reinforced metal matrix composites**
EKİCİ R., APALAK M. K., YILDIRIM M., NAİR F.
MATERIALS & DESIGN, vol.31, no.6, pp.2818-2833, 2010 (SCI-Expanded)
- XLIX. **Free vibration analysis of adhesively bonded single lap joints with wide and narrow functionally graded plates**

GÜNEŞ R., APALAK M. K., Yildirim M., ÖZKEŞ I.

COMPOSITE STRUCTURES, vol.92, no.1, pp.1-17, 2010 (SCI-Expanded)

- L. **Effects of Random Particle Dispersion and Particle Volume Fraction on the Indentation Behavior of SiC Particle-Reinforced Metal-Matrix Composites**
APALAK M. K., EKİCİ R., Yildirim M., NAİR F.
JOURNAL OF COMPOSITE MATERIALS, vol.43, no.26, pp.3191-3210, 2009 (SCI-Expanded)
- LI. **Free Vibration Analysis and Optimal Design of a Clamped-free Single Lap Joint with Unidirectional Laminated Narrow Plates**
APALAK M. K., Yildirim M.
JOURNAL OF THERMOPLASTIC COMPOSITE MATERIALS, vol.22, no.2, pp.183-211, 2009 (SCI-Expanded)
- LII. **Determination of Structural Damping and Optimal Vibration Control of an Adhesively-Bonded Double Containment Cantilever Joint**
APALAK M. K., EKİCİ R., Yildirim M., Erkaya S.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.23, no.2, pp.339-359, 2009 (SCI-Expanded)
- LIII. **Free vibration analysis and optimal design of an adhesively bonded double containment cantilever joint**
APALAK M. K., EKİCİ R., Yildirim M.
JOURNAL OF SCIENTIFIC & INDUSTRIAL RESEARCH, vol.67, no.10, pp.797-806, 2008 (SCI-Expanded)
- LIV. **Layer optimisation for maximum fundamental frequency of laminated composite plates for different edge conditions**
APALAK M. K., Yildirim M., EKİCİ R.
COMPOSITES SCIENCE AND TECHNOLOGY, vol.68, no.2, pp.537-550, 2008 (SCI-Expanded)
- LV. **Non-linear elastic stresses in a thin hard coating/an elastic substrate system subjected to a surface pressure distribution**
Apalak M. K., Taşdemirci A.
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.190, pp.263-281, 2007 (SCI-Expanded)
- LVI. **The free vibration analysis and optimal design of an adhesively bonded functionally graded single lap joint**
Gunes R., Apalak M. K., Yildirim M.
INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, vol.49, no.4, pp.479-499, 2007 (SCI-Expanded)
- LVII. **Free vibration analysis and optimal design of a cantilevered adhesively bonded composite tabular single lap joint**
Apalak M. K., Yildirim M.
POLYMERS & POLYMER COMPOSITES, vol.15, no.6, pp.489-506, 2007 (SCI-Expanded)
- LVIII. **Elastic flexural behaviour of an adhesively bonded single lap joint with functionally graded adherends**
Kemal Apalak M. K., Gunes R.
MATERIALS & DESIGN, vol.28, no.5, pp.1597-1617, 2007 (SCI-Expanded)
- LIX. **Thermal residual stresses in an adhesively bonded functionally graded tubular single lap joint**
Apalak M. K., Gunes R., Eroglu S.
INTERNATIONAL JOURNAL OF ADHESION AND ADHESIVES, vol.27, no.1, pp.26-48, 2007 (SCI-Expanded)
- LX. **Optimal vibration attenuation of an adhesively-bonded cantilevered single-lap joint**
Apalak M. K., Yildirim M.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.21, pp.267-286, 2007 (SCI-Expanded)
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Non Academic Experience

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