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Kişisel Bilgiler

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Uluslararası Araştırmacı ID'leri

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Eğitim Bilgileri

Post Doktora, Universitaet Stuttgart, Simulasyon Teknolojileri Mükemmeliyet Merkezi, Hesaplamalı Malzeme Tasarımı, Almanya 2012 - 2014

Post Doktora, Eidgenössische Technische Hochschule, ETHZ (The Federal Institute of Technology, Zürich), Makina Mühendisliği Fakültesi, Mekanik Merkezi, İsviçre 2011 - 2012

Doktora, Technische Universitaet Dresden, İnşaat Fakültesi, Yapı Mekaniği Ve Yapı Dinamiği Enstitüsü, Almanya 2006 - 2011

Doktora, Leipzig Universität, İnşaat Fakültesi, Yapı Mekaniği Ve Yapı Dinamiği Enstitüsü, Almanya 2005 - 2006

Yüksek Lisans, Universitaet Stuttgart, İnşaat Fakültesi, Malzemelerin Ve Yapıların Hesaplamalı Mekaniği, Almanya 2003 - 2005

Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği, Türkiye 1997 - 2001

Yabancı Diller

İngilizce, C1 İleri

Almanca, B2 Orta Üstü

Yaptığı Tezler

Doktora, Approaches to the Modeling of Inelasticity and Failure of Rubberlike Materials, Technische Universitaet Dresden, İnşaat Fakültesi, Yapı Mekaniği Ve Yapı Dinamiği Enstitüsü, 2011

Yüksek Lisans, Approaches to Modeling of Thermoviscoplastic Behavior of Glassy Polymers, Universitaet Stuttgart, Disiplinlerarası Malzemelerin Ve Yapıların Hesaplamalı Mekaniği Yüksek Lisans Programı, Mühendislik - Disiplinlerarası, 2005

Araştırma Alanları

Makina Mühendisliği, Mekanik, Katı Cisimler Mekaniği, Kırılma Mekaniği, Sonlu Elemanlar Yöntemi, Biyomekanik,

Akademik Unvanlar / Görevler

Doç.Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2018 - Devam Ediyor
Okutman, Universitaet Stuttgart, İnşaat Fakültesi, İnşaat Mühendisliği, 2012 - 2014
Araştırma Görevlisi, Eidgenössische Technische Hochschule, ETHZ (The Federal Institute of Technology, Zürich), Makine Fakültesi, Makine Mühendisliği, 2011 - 2011
Araştırma Görevlisi, Technische Universitaet Dresden, İnşaat Fakültesi, İnşaat Mühendisliği, 2006 - 2011
Araştırma Görevlisi, Universitaet Leipzig, İnşaat Fakültesi, İnşaat Mühendisliği, 2005 - 2006
Araştırma Görevlisi, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2001 - 2003

Akademik İdari Deneyim

BAP Bilimsel Komisyon Üyesi, Orta Doğu Teknik Üniversitesi, Rektörlük, 2017 - Devam Ediyor
Orta Doğu Teknik Üniversitesi, Rektörlük, 2017 - Devam Ediyor

Yönetilen Tezler

Dal H., A comparative study of anisotropic hyperelastic models of biological soft tissues, Yüksek Lisans, A.KAĞAN(Öğrenci), 2021
Dal H., A diffusive crack model for fiber reinforced polymer composites, Doktora, F.AKSU(Öğrenci), 2020
Dal H., Finite Element Formulations for Kirchhoff-Love Microplates, Doktora, M.KANDAZ(Öğrenci), 2020
Dal H., A comparative study of the fitting performance of hyperelastic constitutive models, Yüksek Lisans, Y.BADIENIA(Öğrenci), 2019
Dal H., Non-linear viscoelasticity for epoxy-based polymers : Theoretical modeling and numerical implementation, Yüksek Lisans, A.KORAL(Öğrenci), 2019
DAL H., Quasi-incompressible and quasi-inextensible element and material formulation for anisotropic medium, Yüksek Lisans, B.RODOPLU(Öğrenci), 2018
DAL H., A multiobjective optimization toolbox development for parameter identification of elastomers, Yüksek Lisans, T.TEKİN(Öğrenci), 2018
DAL H., Design of an inertia measurement device for stores, Yüksek Lisans, B.KILIÇ(Öğrenci), 2018
Dal H., Yıldırım R. O. , Dynamic fracture of explosive bolt, Yüksek Lisans, B.GÖKÇE(Öğrenci), 2018
DAL H., Shape optimization of mems switches for miniaturization, Yüksek Lisans, I.AHMED(Öğrenci), 2018
DAL H., Investigation of deformation and shape memory characteristics of thermoplastic polymers, Yüksek Lisans, C.YİĞİTBAŞI(Öğrenci), 2018
DAL H., Finite strain modeling of coupled thermo-mechanical behavior of polycrystalline Ni-Ti shape memory alloys, Yüksek Lisans, V.REZAZADEH(Öğrenci), 2017
DAL H., A phase field model for the failure of artery walls: Application to rupture due to Aneurysm, Yüksek Lisans, O.Gültekin(Öğrenci), 2014
DAL H., A Multiscale continuum damage model for cavity growth in rubberlikematerials, Yüksek Lisans, F.Barış(Öğrenci), 2013
DAL H., Intercalation induced stress generation in high performance Li-ion battery systems, Yüksek Lisans, C.Mohammad(Öğrenci), 2013

Araştırma Altyapısı Bilgileri

Dal H., Kauçuk Araştırma Laboratuvarı, Ağustos 2020

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Ductile–brittle failure of amorphous glassy polymers: A phase-field approach**
DAL H., Gültekin O., BAŞDEMİR S., AÇAN A. K.
Computer Methods in Applied Mechanics and Engineering, cilt.401, 2022 (SCI-Expanded)
- II. **Temperature-dependent thermoelastic properties of GaSb and InSb semiconductors: Identification through ab initio DFT simulations**
Baloğlu E. C. , TOFFOLÍ H., DAL H.
Physica B: Condensed Matter, cilt.643, 2022 (SCI-Expanded)
- III. **Electro-chemo-mechanical induced fracture modeling in proton exchange membrane water electrolysis for sustainable hydrogen production**
Aldakheel F., Kandekar C., Bensmann B., DAL H., Hanke-Rauschenbach R.
COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING, cilt.400, 2022 (SCI-Expanded)
- IV. **A one-pass predictor-corrector algorithm for the inverse Langevin function**
BAŞDEMİR S., DAL H.
Mathematics and Mechanics of Solids, 2022 (SCI-Expanded)
- V. **On the Performance of Isotropic Hyperelastic Constitutive Models for Rubber-Like Materials: A State of the Art Review**
DAL H., AÇIKGÖZ K., Badienia Y.
APPLIED MECHANICS REVIEWS, cilt.73, sa.2, 2021 (SCI-Expanded)
- VI. **An extended eight-chain model for hyperelastic and finite viscoelastic response of rubberlike materials: Theory, experiments and numerical aspects**
DAL H., Gültekin O., AÇIKGÖZ K.
Journal of the Mechanics and Physics of Solids, cilt.145, 2020 (SCI-Expanded)
- VII. **A quasi-incompressible and quasi-inextensible finite element analysis of fibrous soft biological tissues**
Gultekin O., Rodoplu B., DAL H.
BIOMECHANICS AND MODELING IN MECHANOBIOLOGY, cilt.19, sa.6, ss.2357-2373, 2020 (SCI-Expanded)
- VIII. **A phase-field model for fracture of unidirectional fiber-reinforced polymer matrix composites**
Denli F. A. , Gultekin O., Holzapfel G. A. , DAL H.
COMPUTATIONAL MECHANICS, cilt.65, sa.4, ss.1149-1166, 2020 (SCI-Expanded)
- IX. **Computational modeling of progressive damage and rupture in fibrous biological tissues: application to aortic dissection**
Gultekin O., Hager S. P. , DAL H., Holzapfel G. A.
BIOMECHANICS AND MODELING IN MECHANOBIOLOGY, cilt.18, sa.6, ss.1607-1628, 2019 (SCI-Expanded)
- X. **On the quasi-incompressible finite element analysis of anisotropic hyperelastic materials**
Gultekin O., DAL H., Holzapfel G. A.
COMPUTATIONAL MECHANICS, cilt.63, sa.3, ss.443-453, 2019 (SCI-Expanded)
- XI. **A quasi-incompressible and quasi-inextensible element formulation for transversely isotropic materials**
Dal H.
INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING, cilt.117, ss.118-140, 2019 (SCI-Expanded)
- XII. **A three-scale compressible microsphere model for hyperelastic materials**
Dal H., CANSIZ B., MIEHE C.
INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING, cilt.116, sa.6, ss.412-433, 2018 (SCI-Expanded)
- XIII. **A comparative study of modified strain gradient theory and modified couple stress theory for gold microbeams**
KANDAZ M., DAL H.
ARCHIVE OF APPLIED MECHANICS, cilt.88, sa.11, ss.2051-2070, 2018 (SCI-Expanded)

- XIV. **Computational cardiology: the bidomain based modified Hill model incorporating viscous effects for cardiac defibrillation**
CANSIZ B., DAL H., KALISKE M.
COMPUTATIONAL MECHANICS, cilt.62, sa.3, ss.253-271, 2018 (SCI-Expanded)
- XV. **An affine microsphere approach to modeling strain-induced crystallization in rubbery polymers**
NATEGHI A., DAL H., Keip M. -, MIEHE C.
CONTINUUM MECHANICS AND THERMODYNAMICS, cilt.30, sa.3, ss.485-507, 2018 (SCI-Expanded)
- XVI. **Numerical aspects of anisotropic failure in soft biological tissues favor energy-based criteria: A rate-dependent anisotropic crack phase-field model**
Gueltekin O., DAL H., Holzapfel G. A.
COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING, cilt.331, ss.23-52, 2018 (SCI-Expanded)
- XVII. **Micro-sphere based viscoplastic constitutive model for uncured green rubber**
DAL H., ZOPF C., Kaliske M.
INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, cilt.132, ss.201-217, 2018 (SCI-Expanded)
- XVIII. **Computational cardiology: A modified Hill model to describe the electro-visco-elasticity of the myocardium**
CANSIZ B., DAL H., KALISKE M.
COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING, cilt.315, ss.434-466, 2017 (SCI-Expanded)
- XIX. **A phase-field model for chemo-mechanical induced fracture in lithium-ion battery electrode particles**
MIEHE C., DAL H., SCHAENZEL L. -, RAINA A.
INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING, cilt.106, sa.9, ss.683-711, 2016 (SCI-Expanded)
- XX. **An orthotropic viscoelastic material model for passive myocardium: theory and algorithmic treatment**
CANSIZ F. B. C. , Dal H., KALISKE M.
COMPUTER METHODS IN BIOMECHANICS AND BIOMEDICAL ENGINEERING, cilt.18, sa.11, ss.1160-1172, 2015 (SCI-Expanded)
- XXI. **Computational electro-chemo-mechanics of lithium-ion battery electrodes at finite strains**
Dal H., Miehe C.
COMPUTATIONAL MECHANICS, cilt.55, ss.303-325, 2015 (SCI-Expanded)
- XXII. **A fully implicit finite element method for bidomain models of cardiac electromechanics**
Dal H., Goektepe S., Kalske M., Kuhl E.
COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING, cilt.253, ss.323-336, 2013 (SCI-Expanded)
- XXIII. **A constitutive model for finite deformation of amorphous polymers**
FLEISCHHAUER R., Dal H., KALISKE M., SCHNEIDER K.
INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, cilt.65, sa.1, ss.48-63, 2012 (SCI-Expanded)
- XXIV. **Characterization of fracture processes by continuum and discrete modelling**
KALISKE M., Dal H., FLEISCHHAUER R., JENKEL C., NETZKER C.
COMPUTATIONAL MECHANICS, cilt.50, sa.3, ss.303-320, 2012 (SCI-Expanded)
- XXV. **A fully implicit finite element method for bidomain models of cardiac electrophysiology**
Dal H., GÖKTEPE S., KALISKE M., Kuhl E.
COMPUTER METHODS IN BIOMECHANICS AND BIOMEDICAL ENGINEERING, cilt.15, sa.6, ss.645-656, 2012 (SCI-Expanded)
- XXVI. **An endochronic plasticity formulation for filled rubber**
NETZKER C., Dal H., KALISKE M.
INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, cilt.47, ss.2371-2379, 2010 (SCI-Expanded)
- XXVII. **Bergstrom-Boyce model for nonlinear finite rubber viscoelasticity: theoretical aspects and algorithmic treatment for the FE method**
Dal H., KALISKE M.
COMPUTATIONAL MECHANICS, cilt.44, sa.6, ss.809-823, 2009 (SCI-Expanded)

- XXVIII. **A micro-continuum-mechanical material model for failure of rubber-like materials: Application to ageing-induced fracturing**
Dal H., KALISKE M.
JOURNAL OF THE MECHANICS AND PHYSICS OF SOLIDS, cilt.57, sa.8, ss.1340-1356, 2009 (SCI-Expanded)
- XXIX. **Fracture mechanical behaviour of visco-elastic materials: application to the so-called dwell-effect**
NAESER B., KALISKE M., Dal H., NETZKER C.
ZAMM-ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND MECHANIK, cilt.89, sa.8, ss.677-686, 2009 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Finite Element Analyses of the Modified Strain Gradient Theory Based Kirchhoff Microplates**
Kandaz M., DAL H.
SURFACES, cilt.4, sa.2, ss.115-156, 2021 (ESCI)
- II. **ANALYSIS OF GOLD MICRO-BEAMS WITH MODIFIED STRAIN GRADIENT THEORY**
DAL H.
Anadolu Üniversitesi Bilim Ve Teknoloji Dergisi A - Uygulamalı Bilimler ve Mühendislik, cilt.18, ss.663-681, 2017 (Hakemli Dergi)

Kitap & Kitap Bölümleri

- I. **Macroscopical Modeling and Numerical Simulation for the Characterization of Crack and Durability Properties of Particle-Reinforced Elastomers**
Behnke R., DAL H., Geissler G., Naeser B., Netzker C., Kaliske M.
Fracture Mechanics and Statistical Mechanics of Reinforced Elastomeric Blends, Grellmann, Wolfgang and Heinrich, Gert and Kaliske, Michael and Klüppel, Manfred and Schneider, Konrad and Vilgis, Thomas, Editör, Springer Berlin Heidelberg, ss.70-167, 2013

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Two novel Kirchhoff plate finite elements for the modified strain gradient theory**
Kandaz M., DAL H.
90th Annual Meeting of the Gesellschaft für Angewandte Mathematik und Mechanik (GAMM), 18 - 22 Şubat 2019, cilt.19
- II. **A Quasi-Incompressible and Quasi-Inextensible Finite Element Implementation of Fibrous Soft Biological Tissues**
Gültekin O., Rodoplu B., Dal H.
Beyond 2019: Computational Science and Engineering Conference, Ankara, Türkiye, 9 - 11 Eylül 2019, ss.35
- III. **A Crack Phase-field Model to Analyze Aortic Dissections**
Holzapfel G. A. , Gültekin O., Hager S. P. , Dal H.
COMPLAS 2019 15th International Conference on Computational Plasticity–Fundamentals and Applications, Barcelona, İspanya, 3 - 05 Eylül 2019, ss.1
- IV. **Phase-field approach to model fracture in human aorta**
Gültekin O., Holzapfel G. A. , Dal H.
IWPDF 2019 1st International Workshop on Plasticity, Damage and Fracture of Engineering Materials, Ankara, Türkiye, 22 - 23 Ağustos 2019, ss.1
- V. **A phase-field approach to viscoelastic fracture in rubbery polymers**
Denli F. A. , Gültekin O., Dal H.

IWPDF 2019 1st International Workshop on Plasticity, Damage and Fracture of Engineering Materials, Ankara, Türkiye, 22 - 23 Ağustos 2019, ss.1

- VI. **A comparative study on hyperelastic constitutive models on rubber: State of the art after 2006**
Dal H., Badienia Y., Acikgoz K., Denli F. A.
11th European Conference on Constitutive Models for Rubber, 2019, Nantes, Fransa, 25 - 27 Haziran 2019, ss.239-244
- VII. **Nonlinear compressible finite viscoelasticity of epoxy-based polymers**
Dal H., Welschinger F., Gromala P. J. , Han B.
11th European Conference on Constitutive Models for Rubber, 2019, Nantes, Fransa, 25 - 27 Haziran 2019, ss.335-340
- VIII. **A Comparative Study on the Hyperelastic Constitutive Models for Rubber**
Dal H.
Workshop on "Plasticity, Damage and Fracture of Engineering Materials", Ankara, Türkiye, 25 Ekim 2018, ss.9
- IX. **Numerical Modeling of Rupture in Human Arterial Walls**
Gültekin O., Dal H., Holzapfel G. A.
WCB 2018 8th World Congress of Biomechanics, Dublin, İrlanda, 8 - 12 Temmuz 2018, ss.1-2
- X. **A Phase-field Approach to Model Aortic Dissections**
Gültekin O., Dal H., Holzapfel G. A.
ESMC 2018 10th European Solid Mechanics Conference, Bologna, İtalya, 2 - 06 Temmuz 2018, ss.1
- XI. **MÜHİMMAT SİSTEMLERİ İÇİN KÜTLE ÖZELLİKLERİ ÖLÇÜMÜ YAPAN TEST DÜZENEGİ TASARIMI**
Kılıç B., Dal H., Tüzün A.
SAVTEK 9. Savunma Teknolojileri Kongresi, Ankara, Türkiye, 27 - 29 Haziran 2018
- XII. **A rate dependent phase field approach for the failure of rubberlike materials**
Aksu Denli F., Dal H.
6th European Conference on Computational Mechanics (Solids, Structures and Coupled Problems) (ECCM 6) and the 7th European Conference on Computational Fluid Dynamics (ECFD 7), Glasgow, Birleşik Krallık, 11 - 15 Haziran 2018, ss.1
- XIII. **Affine Full Network Model for Strain-Induced Crystallization in Rubbery Polymers**
NATEGHİ A., DAL H., KEİP M. A. , Miehe C.
Proceedings of the 7th GACM Colloquium on Computational Mechanicsfor Young Scientists from Academia and Industry, 11 - 13 Ekim 2017
- XIV. **A Novel Parameter Identification Toolbox for the Selection of Hyperelastic ConstitutiveModels from Experimental Data**
DAL H., BADIENİA Y., AÇIKGÖZ K., AKSU DENLİ F.
Proceedings of the 7th GACM Colloquium on Computational Mechanicsfor Young Scientists from Academia and Industry, 11 - 13 Ekim 2017
- XV. **A quasi-inextensible and quasi-incompressible finite element formulation for transversely anisotropic hyperelastic solids and soft biological tissues**
DAL H., RODOPLU B.
XIV International Conference on Computational Plasticity, Fundamentals and Applications, 5 - 07 Eylül 2017
- XVI. **CRACK PHASE-FIELD MODELING OF ANISOTROPIC RUPTURE IN FIBROUS SOFT TISSUES**
GUELTEKIN O., DAL H., HOLZAPFEL G. A.
14th International Conference on Computational Plasticity - Fundamentals and Applications (COMPLAS), Barcelona, İspanya, 5 - 07 Eylül 2017, ss.139-150
- XVII. **Analysis of Gold Microbeams with Higher Order Continuum Theories**
KANDAZ M., DAL H., ÜNLÜ M.
88th Annual Meeting of the International Association of Applied Mathematics and Mechanics, Weimar, Almanya, 6 - 10 Mart 2017
- XVIII. **Phase-Field Models for the Failure of Anisotropic Continua**
DAL H., GÜLTEKİN O., AKSU DENLİ F., HOLZAPFEL G.
88th Annual Meeting of the International Association of Applied Mathematics and Mechanics, Weimar, Almanya, 6 -

10 Mart 2017

- XIX. Electro Chemo Mechanics and Fracture of Li Ion Battery Electrodes**
DAL H.
Multiscale phenomena in electrochemical and porous systems, 14 - 16 Haziran 2016
- XX. A quasi inextensible element formulation for anisotropic continuum**
DAL H.
European Congress on Computational Methods in Applied Sciences and Engineering, GİRİT, Yunanistan, 5 - 10 Haziran 2016
- XXI. A PHASE FIELD APPROACH TO MODEL FRACTURE OF ARTERIAL WALLS**
GÜLTEKİN O., DAL H., HOLZAPFEL G. A.
European Congress on Computational Methods in Applied Sciences and Engineering, GİRİT, Yunanistan, 5 - 10 Haziran 2016
- XXII. Computational Modeling of Multi physics Phenomena in Lithium Ion Battery Electrodes**
DAL H.
EUROPEAN CONFERENCE ON NUMERICAL MATHEMATICS AND ADVANCED APPLICATIONS, Ankara, Türkiye, 14 - 18 Eylül 2015
- XXIII. Fully Coupled Cardiac Electromechanics with Orthotropic Viscoelastic Effects**
CANSIZ B., DAL H., KALISKE M.
IUTAM/EUROMECH Symposium Dynamics of Capsules, Vesicles and Cells in Flow (DYNACAPS), Compiègne, Fransa, 15 - 19 Temmuz 2014, ss.124-133
- XXIV. Computational modeling of cardiac tissue with strongly coupled electromechanics and orthotropic viscoelastic effects**
Cansiz B., DAL H., Kaliske M.
GAMM Annual Scientific Conference, 10 - 14 Mart 2014, cilt.14, ss.119-120
- XXV. On Micromechanically Based Approaches to Failure in Polymers**
SCHÄNZEL L., DAL H., Miehe C.
GAMM Annual Scientific Conference, 18 - 22 Mart 2013, cilt.13, ss.557-560
- XXVI. Coupled chemomechanics and phase field modeling of failure in electrode materials of Li ion batteries**
DAL H., Miehe C.
GAMM Annual Scientific Conference, 18 - 22 Mart 2013, cilt.13, ss.207-208
- XXVII. Numerical aspects on computational homogenization of epoxy glass composites**
FLEISCHHAUER R., DAL H., Kaliske M.
GAMM Annual Scientific Conference, 26 - 30 Mart 2012, cilt.12, ss.425-426
- XXVIII. A new continuum approach to the coupling of shear yielding and crazing with fracture in glassy polymers**
SCHANZEL L., DAL H., Miehe C.
GAMM Annual Scientific Conference, 26 - 30 Mart 2012, cilt.12, ss.337-338
- XXIX. An extended tube model for thermo viscoelasticity of rubberlike materials Theory and numerical implementation**
Behnke R., DAL H., Kaliske M.
European Conference on Constitutive Models for Rubber VII, 20 - 23 Eylül 2011, ss.87-92
- XXX. An extended tube model for thermo viscoelasticity of rubberlike materials Parameter identification and examples**
BEHNKE R., DAL H., Kaliske M.
GAMM Annual Scientific Conference, 18 - 21 Nisan 2011, cilt.11, ss.353-354
- XXXI. A three field bi domain based approach to the strongly coupled electromechanics of the heart**
DAL H., GÖKTEPE S., Kaliske M., Kuhl E.
GAMM Annual Scientific Conference, 18 - 21 Nisan 2011, cilt.11, ss.931-934
- XXXII. Micromechanical modelling and two scale simulation of epoxy glass composites with interphases and interfaces**

- Fleischhauer R., DAL H., Kaliske M.
GAMM Annual Scientific Conference, 22 - 26 Mart 2010, cilt.10, ss.407-408
- XXXIII. **Thermoviscoelasticity of fibre reinforced rubbery polymers**
DAL H., Kaliske M., HICKMANN R., CHERİF C., JURK R., HEINRICH G.
GAMM Annual Scientific Conference, 22 - 26 Mart 2010, cilt.10, ss.287-288
- XXXIV. **A micro macro approach to the failure of rubber like materials**
DAL H., Kaliske M.
GAMM Annual Scientific Conference, 31 Mart - 04 Nisan 2008, cilt.8, ss.10413-10414
- XXXV. **Fracture mechanical behaviour of visco elastic materials**
NAESER B., DAL H., Kaliske M.
Sixth International Congress on Industrial Applied Mathematics (ICIAM07) and GAMM Annual Meeting, 26 - 30 Mart 2007, cilt.7, ss.1090103-1090104
- XXXVI. **An Approach to the Modeling of Physical Ageing in Rubbery Polymers**
DAL H., Kaliske M.
GAMM Annual Scientific Conference, 27 - 29 Mart 2006, cilt.6, ss.363-364

Desteklenen Projeler

- Dal H., Diğer Özel Kurumlarca Desteklenen Proje, SOĞUTMALI KIZILÖTESİ SENSÖR TERMO-MEKANİK GERİNİM OPTİMİZASYONU VE ÖMÜR TESTLERİNE GİRDİ SAĞLAYACAK AR-GE PROJESİ, 2019 - 2020
- DAL H., TÜBİTAK Projesi, Nems Ve Mems Mikroyapılar İçin Yüksek Mertebe Davranış Modeli Geliştirilmesi, 2017 - 2020
- Dal H., Diğer Özel Kurumlarca Desteklenen Proje, Hiperelastik Malzemelerin Farklı Yükler Altında Karakterizasyonu AR-GE Projesi, 2018 - 2019
- Dal H., Ünlü M., TÜBİTAK Projesi, Terahertz Frekansları İçin Ayarlanabilir Yüzey Plazmon Polariton Dalga Kılavuzlarının Geliştirilmesi,, 2016 - 2019
- Dal H., Teknopark, Extension of Bergström-Boyce Model to take into account volumetric viscoelastic effects, 2018 - 2018
- DAL H., TÜBİTAK Projesi, Kauçuk Türü Malzemeler İçin Inelastik Yırtılma Ve Kavitasyon Modeli Geliştirilmesi, 2016 - 2018
- DAL H., TÜBİTAK Projesi, Anizotropik Malzemeler için Faz Alanı Yaygın Çatlak Modeli, 2014 - 2016

Bilimsel Kuruluşlardaki Üyelikler / Görevler

Gesellschaft für Allgemeine Mathematik und Mechanik, Üye, 2012 - Devam Ediyor , Almanya

Bilimsel Hakemlikler

- INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, SCI Kapsamındaki Dergi, Aralık 2020
- CONTINUUM MECHANICS AND THERMODYNAMICS, SCI Kapsamındaki Dergi, Kasım 2020
- COMPUTATIONAL MECHANICS, SCI Kapsamındaki Dergi, Ekim 2020
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Atf (WoS): 675
Atf (Scopus): 753
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