Prof. TURGUT TOKDEMİR

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Advising Theses

TOKDEMİR T., Radar cross section analysis by shooting and Bouncing Rays Method, Doctorate, M.KAĞAN(Student), 2015

TOKDEMİR T., Optimum design of low-rise steel frames made of cold-formed thin-walled steel sections, Doctorate, S.ÇARBAŞ(Student), 2013

TOKDEMİR T., Generalized finite difference method in elastodynamics using perfectly matched layer, Doctorate, F.KORKUT(Student), 2012

TOKDEMİR T., Ultimate load capacity of optimally designed cellular beams, Doctorate, F.ERDAL(Student), 2011

TOKDEMİR T., Optimum design of rigid and semi-rigid steel sway frames including soil-structure interaction, Doctorate, E.DOĞAN(Student), 2010

TOKDEMİR T., Optimum design of irregular 3-D steel frames using ant colony optimization and harmony search algorithms, Doctorate, İ.AYDOĞDU(Student), 2010

TOKDEMİR T., Optimum design of reinforced concrete plane frames using harmony search algorithm, Doctorate, A.AKIN(Student), 2010

GÜRSES S., TOKDEMİR T., Linear and nonlinear analysis of human postural sway, Postgraduate, H.ÇELİK(Student), 2008

ERASLAN A. N., TOKDEMİR T., Generalized finite differences for the solution of one dimensional elastic plastic problems of nonhomogeneous materials, Postgraduate, P.UYGUR(Student), 2007

TOKDEMİR T., Investigation of Turkey's carbon dioxide problem by numerical modeling, Doctorate, A.CAN(Student), 2006

TOKDEMİR T., Lateral load analysis of shear wall-frame structures, Doctorate, T.AKIŞ(Student), 2004

TOKDEMİR T., Numerical simulation of grouting, Doctorate, S.BOZKURT(Student), 2003

TOKDEMİR T., Element free galerkin method based on moving least square approximants., Postgraduate, E.Güray(Student), 2002

TOKDEMİR T., Biomechanics of porous ceramic implants used in long-bones segmental defect healing, Doctorate, C.BALÇIK(Student), 2002

TOKDEMİR T., Element free galerkin method based on moving least square approximents, Postgraduate, E.GÜRAY(Student), 2002

TOKDEMİR T., Spiralling flow through an eccentric annulus, Postgraduate, T.KUTAY(Student), 2002

TOKDEMİR T., Hydraulic transients in closed pipi circuits, Postgraduate, F.İLKAY(Student), 2000

TOKDEMİR T., Effect of imperfections on axisymmetric snap-through buckling of shallow spherical shells, Postgraduate, C.Karaman(Student), 1998

TOKDEMİR T., A Three dimensional computer graphics approach in engineering problems, Postgraduate, U.GELER(Student), 1997

TOKDEMİR T., Effect of dietary selenium and vitamin E on the biomechanical properties of bones and skeletal muscles, Postgraduate, B.BALÇIK(Student), 1996

TOKDEMİR T., Effect of dietary selenium and vitamine E on the biomechanical properties of bones and skeletal muscles, Postgraduate, C.Balçık(Student), 1996

TOKDEMİR T., Three dimensional finite element modelling of the Erzincan Basin, Postgraduate, A.Hossein(Student), 1994

TOKDEMİR T., Three dimensional finite element modelling of Erzincan basin, Postgraduate, A.HOSSEİN(Student), 1994

Published journal articles indexed by SCI, SSCI, and AHCI

I. **On the use of complex stretching coordinates in generalized finite difference method with applications in inhomogeneous visco-elasto dynamics**
Korkut F., Mengi Y., TOKDEMİR T.
ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS, vol.134, pp.466-490, 2022 (SCI-Expanded)

II. **The use of generalized finite difference method in perfectly matched layer analysis**
Korkut F., TOKDEMİR T., Mengi Y.
APPLIED MATHEMATICAL MODELLING, vol.60, pp.127-144, 2018 (SCI-Expanded)

III. **Modeling of Asymmetric Shear Wall-Frame Building Structures**
AKIŞ T., TOKDEMİR T., YILMAZ Ç.
JOURNAL OF ASIAN ARCHITECTURE AND BUILDING ENGINEERING, vol.8, no.2, pp.531-538, 2009 (SCI-Expanded)

IV. **Thermoelastic response of a fin exhibiting elliptic thickness profile: An analtical solution**
ERASLAN A. N., TOKDEMİR T.
INTERNATIONAL JOURNAL OF THERMAL SCIENCES, vol.47, no.3, pp.274-281, 2008 (SCI-Expanded)

V. **Early weight bearing of porous HA/TCP (60/40) ceramics in vivo: A longitudinal study in a segmental bone defect model of rabbit**
Balcik C., Tokdemir T., Senkoylu A., Koc N., Timucin M., Akin S., Korkusuz P., Korkusuz F.
ACTA BIOMATERIALIA, vol.3, no.6, pp.985-996, 2007 (SCI-Expanded)

VI. **Unstructured grid generation and a simple triangulation algorithm for arbitrary 2-D geometries using object oriented programming**
Karamete B., Tokdemir T., Ger M.
INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING, vol.40, no.2, pp.251-268, 1997 (SCI-Expanded)

VII. **EXTENSION OF THE RESIDUAL VARIABLE METHOD TO PROPAGATION PROBLEMS AND ITS APPLICATION TO THE DIFFUSION EQUATION IN SPHERICAL COORDINATES**
AKKAS N., TOKDEMIR T.
ACTA MECHANICA, vol.96, pp.109-118, 1993 (SCI-Expanded)

VIII. **EXTENSION OF THE RESIDUAL VARIABLE METHOD TO PROPAGATION PROBLEMS AND ITS APPLICATION TO THE WAVE-EQUATION IN CYLINDRICAL COORDINATES**
AKKAS N., TOKDEMIR T.
COMPUTERS & STRUCTURES, vol.44, no.4, pp.729-734, 1992 (SCI-Expanded)

Metrics

Publication: 8
Citation (WoS): 80
Citation (Scopus): 69
H-Index (WoS): 3
H-Index (Scopus): 2

Non Academic Experience

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