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International Researcher IDs

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Education Information

Doctorate, Karadeniz Technical University, -, İnşaat Mühendisliği, Turkey 2003 - 2009

Postgraduate, Karadeniz Technical University, -, İnşaat Mühendisliği, Turkey 2000 - 2003

Undergraduate, Yildiz Technical University, Faculty Of Civil Engineering, İnşaat Mühendisliği, Turkey 1994 - 1998

Research Areas

Mechanics of Solid Bodies, Civil Engineering, Mechanical, Structural Mechanics, Building Dynamics, Building Stability, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Karadeniz Technical University, -, İnşaat Mühendisliği, 2011 - Continues Lecturer PhD, Karadeniz Technical University, -, İnşaat Mühendisliği, 2009 - 2011 Lecturer, Karadeniz Technical University, -, İnşaat Mühendisliği, 2006 - 2009 Research Assistant, Karadeniz Technical University, -, İnşaat Mühendisliği, 2000 - 2003

Academic and Administrative Experience

Karadeniz Technical University, 2011 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. A local-global optimization approach for maximizing the multiphysics frequency response of laminated functionally graded CNTs reinforced magneto-electro-elastic plates
 - Ly D., Nguyen-Thoi T., Topal U., Thongchom C.
 - Advances in Engineering Software, vol.190, 2024 (SCI-Expanded)
- II. SABO algorithm for optimum design of truss structures with multiple frequency constraints Goodarzimehr V., Topal U., Das A. K., Vo-Duy T.
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III. Improved chaos game optimization algorithm for optimal frequency prediction of variable stiffness curvilinear composite plate

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JOURNAL OF REINFORCED PLASTICS AND COMPOSITES, vol.42, no.19-20, pp.1054-1066, 2023 (SCI-Expanded)

IV. Bonobo optimizer algorithm for optimum design of truss structures with static constraints Goodarzimehr V., Topal U., Das A. K., Vo-Duy T.

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V. Stochastic normal mode frequency analysis of hybrid angle ply laminated composite skew plate with opening using a novel approach

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INTERNATIONAL JOURNAL OF APPLIED MECHANICS, vol.14, no.04, 2022 (SCI-Expanded)

VIII. Optimal deflection and stacking sequence prediction of curved composite structure using hybrid (FEM and soft computing) technique

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Engineering with Computers, vol.37, pp.477-487, 2021 (SCI-Expanded)

IX. Multiobjective optimization of angle-ply laminated plates for maximum buckling load Topal U., Uzman U.

FINITE ELEMENTS IN ANALYSIS AND DESIGN, vol.46, no.3, pp.273-279, 2010 (SCI-Expanded)

X. Effect of Rectangular/Circular Cutouts on Thermal Buckling Load Optimization of Angle-Ply Laminated Thin Plates

Topal U., Uzman U.

SCIENCE AND ENGINEERING OF COMPOSITE MATERIALS, vol.17, no.2, pp.93-110, 2010 (SCI-Expanded)

XI. Frequency optimization of laminated general quadrilateral and trapezoidal thin plates
Topal U.

MATERIALS & DESIGN, vol.30, no.9, pp.3643-3652, 2009 (SCI-Expanded)

XII. Multiobjective optimization of laminated composite cylindrical shells for maximum frequency and buckling load

Topal U.

MATERIALS & DESIGN, vol.30, no.7, pp.2584-2594, 2009 (SCI-Expanded)

XIII. Frequency optimization of laminated folded composite plates

TOPAL U., Uzman U.

MATERIALS & DESIGN, vol.30, no.3, pp.494-501, 2009 (SCI-Expanded)

XIV. Effects of nonuniform boundary conditions on the buckling load optimization of laminated composite plates

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MATERIALS & DESIGN, vol.30, no.3, pp.710-717, 2009 (SCI-Expanded)

XV. Thermal buckling load optimization of angle-ply laminated cylindrical shells

TOPAL U., Uzman U.

MATERIALS & DESIGN, vol.30, no.3, pp.532-536, 2009 (SCI-Expanded)

XVI. Strength optimization of laminated composite plates

TOPAL U., Uzman U.

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XVII. Thermal buckling load optimization of laminated composite plates

TOPAL U., Uzman U.

THIN-WALLED STRUCTURES, vol.46, no.6, pp.667-675, 2008 (SCI-Expanded)

XVIII. Maximization of buckling load of laminated composite plates with central circular holes using MFD method

TOPAL U., Uzman U.

STRUCTURAL AND MULTIDISCIPLINARY OPTIMIZATION, vol.35, no.2, pp.131-139, 2008 (SCI-Expanded)

XIX. Frequency optimization of laminated composite angle-ply plates with circular hole TOPAL U., Uman U.

MATERIALS & DESIGN, vol.29, no.8, pp.1512-1517, 2008 (SCI-Expanded)

XX. Optimum design of laminated composite plates to maximize buckling load using MFD method Topal U., Uzman U.

THIN-WALLED STRUCTURES, vol.45, pp.660-669, 2007 (SCI-Expanded)

XXI. Optimal design of laminated composite plates to maximise fundamental frequency using MFD method Topal U., Uzman U.

STRUCTURAL ENGINEERING AND MECHANICS, vol.24, no.4, pp.479-491, 2006 (SCI-Expanded)

Articles Published in Other Journals

I. Evaluation of the seismic behavior of semi-supported steel shear walls with different ratio and shape of openings

Kholerdi S. E. S., Nazarimofrad E., Farrokhzad M., TOPAL U. AUSTRALIAN JOURNAL OF STRUCTURAL ENGINEERING, vol.19, no.2, pp.118-130, 2018 (ESCI)

Metrics

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