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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 novel approach for buckling optimization of stiffened piezolaminated composite plates Goodarzimehr V., TOPAL U., Fotovat M. B. JOURNAL OF COMPOSITE MATERIALS, vol.58, no.28, pp.2975-2991, 2024 (SCI-Expanded)
- II. Buckling load optimization of laminated composite plates with elliptical hole under different non-uniform edge loads using bonobo optimizer algorithm
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III. A local-global optimization approach for maximizing the multiphysics frequency response of laminated functionally graded CNTs reinforced magneto-electro-elastic plates

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IV. 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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V. 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)

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VIII. Maximization of the fundamental frequency of the FG-CNTRC quadrilateral plates using a new hybrid PSOG algorithm

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IX. Optimal Response Prediction of Composite Honeycomb Sandwich Plate: Theoretical and Experimental Verification

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

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

Sharma N., Lalepalli A. K., Hirwani C. K., Das A., Panda S. K., TOPAL U., DEDE T.

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

XI. 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)

XII. 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)

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

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

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

Topal U.

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

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

TOPAL U., Uzman U.

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XVII. Frequency optimization of laminated folded composite plates

TOPAL U., Uzman U.

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XVIII. Strength optimization of laminated composite plates

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JOURNAL OF COMPOSITE MATERIALS, vol.42, no.17, pp.1731-1746, 2008 (SCI-Expanded)

XIX. 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)

XX. 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)

XXI. 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)

XXII. 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)

XXIII. 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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