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Research Areas

Solid Mechanics, Finite Element Methods

Academic Titles / Tasks

Research Assistant, Hacettepe University, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2019 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Experimental and analytical investigation of the tensile behavior of 3D-printed composites based on micro-CT analysis**
ŞİK A., Tanabi H., ÇUBUKÇU H. E., SABUNCUOĞLU B.
Journal of Thermoplastic Composite Materials, 2023 (SCI-Expanded)
- II. **Development of a procedure to model the mechanical behavior of composites with embedded element method by considering the matrix non-linearity**
ŞİK A., GÜRSES E., SABUNCUOĞLU B.
COMPOSITE STRUCTURES, vol.259, 2021 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Development of a modeling strategy to improve the embedded element method in composites modeling in case of matrix nonlinearity**
ŞİK A., GÜRSES E., SABUNCUOĞLU B.
Fibremod Conference, Leuven, Belgium, 9 - 12 December 2019

Supported Projects

SABUNCUOĞLU B., TANABI H., ŞİK A., Project Supported by Higher Education Institutions, Üç boyutlu baskı yöntemiyle üretilen kırılmış cam elyaf kompozitlerin MicroCT analizi ile iç yapısının incelenerek mekanik davranışının belirlenmesi, 2020 - 2022

Metrics

Publication: 3

Citation (Scopus): 4

H-Index (Scopus): 1