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Research Areas

Composites, Nanomaterials, Aeronautical Engineering, Non Metallic Materials Materials

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Evaluation of the Effect of Spar Cap Fiber Angle of Bending-Torsion Coupled Blades on the Aero-Structural Performance of Wind Turbines**
Şener Ö., Farsadi T., Gozc M. O., Kayran A.
Journal of Solar Energy Engineering, Transactions of the ASME, vol.140, 2018 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Experimental Assessment of Bend-Twist Coupling Potentials of Composite Materials via Digital Image Correlation Method**
ŞENER Ö., ATALAY O., KAYRAN A.
AIAA SciTech Forum, 7 - 11 January 2019
- II. **EVALUATION OF TRANSVERSE SHEAR MODULI OF COMPOSITE SANDWICH BEAMS THROUGH THREE-POINT BENDING TESTS**
ŞENER Ö., Dede O., ATALAY O., ATASOY M., KAYRAN A.
International Mechanical Engineering Congress and Exposition IMECE2018, United States Of America, 9 - 15 November 2018
- III. **Determination of Transverse Shear Moduli of Composite Core Materials Through Sandwich Beam Tests**
ŞENER Ö., Dede O., ATALAY O., ATASOY M., KAYRAN A.
12th International Conference on Sandwich Structures ICSS-12, Switzerland, 19 - 22 August 2018
- IV. **Structural Performance and Power Production of Wind Turbine Systems with Bend-Twist Coupled Blades in Underrated Wind Conditions**
ŞENER Ö., KAYRAN A.
AIAA SciTech Forum 2018 AIAA/ASCE/AHS/ASC Structures, Structural Dynamics, and Materials Conference, United States Of America, 8 - 12 January 2018
- V. **FREE VIBRATION ANALYSIS OF UNIFORM AND ASYMMETRIC COMPOSITE PRETWISTED ROTATING**

THIN WALLED BEAM

Farsadi T., ŞENER Ö., KAYRAN A.

ASME International Mechanical Engineering Congress and Exposition, Tama, Japan, 3 - 09 November 2017

- VI. **Effect of Fibre Orientation of Bend-Twist Coupled Blades on the Structural Performance of the Wind Turbine System**
ŞENER Ö., FARSADI T., KAYRAN A.
AIAA SciTech Forum 35th Wind Energy Symposium, United States Of America, 9 - 13 January 2017
- VII. **Effect of Fiber Orientation of Bend-Twist Coupled Blades on the Structural Performance of the Wind Turbine System**
Şener Ö., Farsadi T., Kayran A.
35th Wind Energy Symposium, Texas, United States Of America, 9 - 13 January 2017
- VIII. **Assessment of the effect of hybrid GFRP-CFRP usage in wind turbine blades on the reduction of fatigue damage equivalent loads in the wind turbine system**
Gözcü M. O., Farsadi T., ŞENER Ö., KAYRAN A.
33rd Wind Energy Symposium 2015, Florida, United States Of America, 5 - 09 January 2015
- IX. **Reduction of fatigue damage equivalent loads in the wind turbine system through the use of off-axis plies in the spar caps of composite wind turbine blades**
Ozan Gözcü M., Farsadi T., ŞENER Ö., KAYRAN A.
20th International Conference on Composite Materials, ICCM 2015, Copenhagen, Denmark, 19 - 24 July 2015, vol.2015-July

Metrics

Publication: 10

Citation (WoS): 19

Citation (Scopus): 40

H-Index (WoS): 2

H-Index (Scopus): 3

Congress and Symposium Activities

International Workshop on Plasticity, Damage and Fracture of Engineering Materials, Attendee, İstanbul, Turkey, 2023

Wind Energy Science Conference 2023, Attendee, Glasgow, England, 2023