

Asst. Prof. ORHAN ÖZÇELİK

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: A-6279-2013

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Education

Doctorate, University of Oklahoma, United States Of America 2008 - 2015

Postgraduate, University of Oklahoma, United States Of America 2006 - 2008

Foreign Languages

English, C2 Mastery

Dissertations

Doctorate, Experimental and Numerical Studies on the Structural Dynamics of Flapping Beams, University of Oklahoma, 2015

Postgraduate, Effect of Thermo-Oxidative Exposure on the Properties of Graphite/Epoxy Laminated Composites, University Of Oklahoma, 2008

Research Areas

Mechanical Vibrations, Composites, Aeroelasticity

Courses

Doctorate

Viscous Fluid Dynamics, Doctorate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Rigid Body Dynamics, Doctorate, 2023 - 2024, 2020 - 2021, 2019 - 2020

Undergraduate

Statics, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Strength of Materials, Undergraduate, 2023 - 2024, 2022 - 2023

Dynamics, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Thermodynamics, Undergraduate, 2022 - 2023, 2021 - 2022

Fluid Mechanics, Undergraduate, 2021 - 2022

Journal articles indexed in SCI, SSCI, and AHCI

- I. **Performance Properties and Finite Element Modelling of Forest-Based Bionanomaterials/Activated Carbon Composite Film for Sustainable Future**
Zor M., Şen F., ÖZÇELİK O., Yazıcı H., CANDAN Z.
Forests, vol.15, no.9, 2024 (SCI-Expanded)
- II. **Lignocellulosic Bionanomaterials for Biosensor Applications**
Durmaz E., Sertkaya S., Yilmaz H., Olgun C., ÖZÇELİK O., Tozluoglu A., CANDAN Z.
Micromachines, vol.14, no.7, 2023 (SCI-Expanded)
- III. **Recent Advances in Lignin-Based Biofuel Production**
Kocaturk E., Salan T., ÖZÇELİK O., Alma M. H., CANDAN Z.
Energies, vol.16, no.8, 2023 (SCI-Expanded)
- IV. **Nonlinear response of flapping beams to resonant excitations under nonlinear damping**
Ozcelik O., Attar P. J.
Acta Mechanica, vol.226, no.12, pp.4281-4307, 2015 (SCI-Expanded)
- V. **Effect of non-linear damping on the structural dynamics of flapping beams**
Ozcelik O., Attar P. J.
International Journal of Non-Linear Mechanics, vol.65, pp.148-163, 2014 (SCI-Expanded)
- VI. **Experimental and numerical characterization of the structural dynamics of flapping beams**
Ozcelik O., Attar P. J., Altan M. C., Johnston J. W.
Journal of Sound and Vibration, vol.332, no.21, pp.5393-5416, 2013 (SCI-Expanded)
- VII. **Thermo-oxidative degradation of graphite/epoxy composite laminates: Modeling and long-term predictions**
Ozcelik O., Aktas L., Altan M.
Express Polymer Letters, vol.3, no.12, pp.797-803, 2009 (SCI-Expanded)

Papers Presented at Peer-Reviewed Scientific Conferences

- I. **Characterization of nonlinear vibration response of flapping beams**
Özçelik O., Attar P. J., Altan M. C.
31st Annual Oklahoma AIAA/ASME Symposium, Oklahoma, United States Of America, 09 April 2011, (Summary Text)
- II. **Experimental and Computational Characterization of Nonlinear Vibration Response of "Plunging" Beams**
ÖZÇELİK O., ATTAR P. J., ALTAN M. C., JOHNSTON J. W.
52nd AIAA/ASME/ASCE/AHS/ASC Structures, Structural Dynamics and Materials Conference, Denver, Colorado, United States Of America, 4 - 07 April 2011, (Full Text)
- III. **Predictive models for long-term thermo-oxidative degradation of graphite/epoxy laminates**
Özçelik O., Aktaş L., Altan M. C.
Polymer Processing Society Regional Meeting, Charlestown, Saint Kitts And Nevis, 26 - 29 October 2008, (Full Text)
- IV. **Modeling of thermo-oxidative aging effects on mechanical properties of graphite/epoxy composite laminates**
Özçelik O., Aktaş L., Altan M. C.
Polymer Processing Society 24th Annual Meeting, Salerno, Italy, 15 - 19 June 2008, (Full Text)
- V. **Effect of long-term isothermal aging on short beam strength and stiffness of graphite/epoxy composites**
Özçelik O., Aktaş L., Altan M. C.
27th Annual Oklahoma AIAA/ASME Symposium, Oklahoma, United States Of America, 31 March 2007, (Summary Text)

Metrics

Publication: 12

Citation (Scopus): 45

H-Index (Scopus): 4