

Fatih Usta

Personal Information

Email: ustaf@itu.edu.tr

Web: <https://avesis.itu.edu.tr/ustaf>

Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Uçak ve Uzay Mühendisliği, Turkey 2015 - 2020

Post Graduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Uçak ve Uzay Mühendisliği, Turkey 2013 - 2015

Under Graduate, Istanbul Technical University, Uçak Ve Uzay Bilimleri, Uçak Mühendisliği, Turkey 2004 - 2013

Foreign Languages

German, B1 Intermediate

English, C2 Proficiency

Research Areas

Fracture Mechanics, Finite Element Methods, Mechanical Testing, Aeronautical and Space Engineering, Mechanical Properties, Composites, Material Characterization, Aeronautical Engineering , Structural Technologies, Material Technologies, Testing Techniques, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Istanbul Technical University, Uçak Ve Uzay Bilimleri, Uçak Mühendisliği, 2019 - Continues

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Experimental and numerical investigation of impact behavior of nested tubes with and without honeycomb filler**
Usta F., Türkmen H. S.
THIN-WALLED STRUCTURES, vol.143, 2019 (Journal Indexed in SCI)
- **Crashworthiness Optimization of Nested and Concentric Circular Tubes Using Response Surface Methodology and Genetic Algorithm**
Usta F., Eren Z., Kurtaran H., Türkmen H. S. , Kazanci Z., Mecitoğlu Z.
LATIN AMERICAN JOURNAL OF SOLIDS AND STRUCTURES, vol.15, 2018 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- **Crushing behaviour of nested composite crash tubes**
Usta F., Ataalp A., Türkmen H. S.
9th International Conference on Recent Advances in Space Technologies, RAST 2019, İstanbul, Turkey, 11 - 14 June

- 2019, pp.65-68
Toroidal sandwich panels with auxetic core under impact loads: Numerical simulations
 Usta F., Türkmen H. S. , Scarpa F.
 9th International Conference on Recent Advances in Space Technologies, RAST 2019, İstanbul, Turkey, 11 - 14 June 2019, pp.25-28
- **Crash Behavior of Nested Tube Structures with Various Cross Sections**
 Usta F., Türkmen H. S.
 8th International Conference on Recent Advances in Space Technologies (RAST), İstanbul, Turkey, 19 - 22 June 2017, pp.23-27
- **Deformation behavior of the polycarbonate plates subjected to impact loading**
 Mullaoglu F., Usta F., Türkmen H. S. , Kazancı Z., Balkan D., Akay E.
 2nd International Symposium on Dynamic Response and Failure of Composite Materials (Draf), Naples, Italy, 6 - 09 September 2016, vol.167, pp.143-150
- **Effects of Thickness and Curvature on Impact Behaviour of Composite Panels**
 Usta F., Mullaoglu F., Türkmen H. S. , Balkan D., Mecitoğlu Z., Kurtaran H., Akay E.
 2nd International Symposium on Dynamic Response and Failure of Composite Materials, (Draf), Naples, Italy, 6 - 09 September 2016, vol.167, pp.216-222
- **Numerical Investigation of Stepped Concentric Crash Tubes Subjected to Axial Impact : The Effects of Number of Tubes**
 Usta F., Eren Z., Türkmen H. S. , KAZANCI Z., Mecitoğlu Z.
 7th International Conference on Recent Advances in Space Technologies (RAST), İstanbul, Turkey, 16 - 19 June 2015, pp.39-43

Citations

Total Citations (WOS):22

h-index (WOS):3