

## Res. Asst. ORHUN BULUT

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### Research Areas

Aeronautical and Space Engineering

### Refereed Congress / Symposium Publications in Proceedings

- I. **Dwell fatigue fracture in Ti microstructures through crystal plasticity and phase field fracture frameworks**  
BULUT O., ERDOĞAN C., YALÇINKAYA T.  
3rd International Workshop on Plasticity, Damage and Fracture of Engineering Materials, IWPDF 2023, İstanbul, Turkey, 4 - 06 October 2023, vol.61, pp.3-11
- II. **A comparison of predictions from micropolar and strain gradient crystal plasticity theories for textured oligocrystals**  
Tandoğan I. T., Bulut O., Budnitzki M., Yalçinkaya T., Sandfeld S.  
93rd Annual Meeting of the International Association of Applied Mathematics and Mechanics, GAMM 2023, Dresden, Germany, 30 May - 02 June 2023, pp.227
- III. **Examination of intrinsic and extrinsic size effect in thin specimens through crystal plasticity frameworks**  
Günay E., Bulut O., Yalçinkaya T.  
26th International ESAFORM Conference on Material Forming, ESAFORM 2023, Krakow, Poland, 19 - 21 April 2023, vol.28, pp.1471-1480
- IV. **Analysis of additively manufactured anisotropic microstructures through crystal plasticity frameworks**  
Bulut O., Günay E., Fenercioğlu T. O., Yalçinkaya T.  
26th International ESAFORM Conference on Material Forming, ESAFORM 2023, Krakow, Poland, 19 - 21 April 2023, vol.28, pp.179-188
- V. **The influence of thickness/grain size ratio in microforming through crystal plasticity**  
BULUT O., Acar S. S., YALÇINKAYA T.  
2nd International Workshop on Plasticity, Damage and Fracture of Engineering Materials, IWPDF 2021, Ankara, Turkey, 18 - 20 August 2021, vol.35, pp.228-236
- VI. **Crystal plasticity modeling of additively manufactured metallic microstructures**  
Acar S. S., BULUT O., YALÇINKAYA T.  
2nd International Workshop on Plasticity, Damage and Fracture of Engineering Materials, IWPDF 2021, Ankara, Turkey, 18 - 20 August 2021, vol.35, pp.219-227

## **Metrics**

Publication: 7

Citation (Scopus): 11

H-Index (Scopus): 2