

Dr. Öğr. Üyesi MEHMET MOLLAMAHMUTOĞLU

Kişisel Bilgiler

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Uluslararası Araştırmacı ID'leri

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Publons / Web Of Science ResearcherID: JPX-3301-2023

ScopusID: 56007588800

Yoksis Araştırmacı ID: 345765

Eğitim Bilgileri

Doktora, Gazi Üniversitesi, Fen Bilimleri Enstitüsü, Mechanical Engineering, Türkiye 2017 - 2022

Yüksek Lisans, Oklahoma State University, School of Mechanical and Aerospace Engineering, Mechanical and Aerospace Engineering, Amerika Birleşik Devletleri 2010 - 2012

Yabancı Diller

Arapça, B1 Orta

İngilizce, C2 Ustalık

Rusça, A1 Başlangıç

Araştırma Alanları

Makina Mühendisliği, Havacılık ve Uzay Mühendisliği

Verdiği Dersler

Computer Programming, Lisans, 2023 - 2024

Fluid Mechanics, Lisans, 2023 - 2024

Thermodynamics, Lisans, 2023 - 2024

Heat Transfer, Lisans, 2023 - 2024

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- A deposition strategy for Wire Arc Additive Manufacturing based on temperature variance analysis to minimize overflow and distortion**
Alhakeem M. M., MOLLAMAHMUTOĞLU M., YILMAZ O., Bol N., Kara O. E.
Journal of Manufacturing Processes, cilt.85, ss.1208-1220, 2023 (SCI-Expanded)
- Computational Evaluation of Temperature-Dependent Microstructural Transformations of Ti6Al4V for Laser Powder Bed Fusion Process**

Yildiz A. K., MOLLAMAHMUTOĞLU M., YILMAZ O.

Journal of Materials Engineering and Performance, cilt.31, sa.9, ss.7191-7203, 2022 (SCI-Expanded)

III. **The effect of evaporation and recoil pressure on energy loss and melt pool profile in selective electron beam melting**

MOLLAMAHMUTOĞLU M., YILMAZ O., ÜNAL R., Gumus B., Tan E.

International Journal of Advanced Manufacturing Technology, cilt.120, sa.5-6, ss.4041-4050, 2022 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

I. **Energy Density Determination for L-PBFP of Ti-6Al-4V Alloy for Various Beam Diameters and Hatch Distances**

Mollamahmutoğlu M., Yılmaz O., Köseoğlu C., Tecer H., Özyayın F., Kocaoğlu Ö. F., Emir E. Z.

Journal of Additive Manufacturing Technologies, cilt.2, sa.2, ss.695, 2022 (Hakemli Dergi)

II. **Computational Evaluation of the Effect of Build Orientation on Thermal Behavior and in-situ Martensite Decomposition for Laser Powder-Bed Fusion (LPBF) Process**

Yıldız A. K., Mollamahmutoğlu M., Yılmaz O.

GAZI UNIVERSITY JOURNAL OF SCIENCE, cilt.36, sa.2, ss.870-880, 2022 (Scopus)

III. **A numerical investigation of the effect of support thickness and void ratio on thermal behavior and possible martensite decomposition in laser powder-bed fusion process**

Yıldız A. K., Mollamahmutoğlu M., Dogan E., Yılmaz O.

Journal of Additive Manufacturing Technologies, cilt.1, sa.2, ss.1, 2021 (Hakemli Dergi)

IV. **Volumetric heat source model for laser-based powder bed fusion process in additive manufacturing**

Mollamahmutoğlu M., Yılmaz O.

Thermal Science and Engineering Progress, cilt.25, 2021 (Scopus)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. **Experimental investigation and performance evaluation of isothermal frictional two phase pressure drop correlations in vertical downward gas-liquid two phase flow**

Bhagwat S. M., MOLLAMAHMUTOĞLU M., Ghajar A. J.

ASME 2012 Heat Transfer Summer Conference Collocated with the ASME 2012 Fluids Engineering Div. Summer Meeting and the ASME 2012 10th Int. Conf. on Nanochannels, Microchannels and Minichannels, HT 2012, Rio Grande, Porto Riko, 8 - 12 Temmuz 2012, cilt.2, ss.337-348

II. **Experimental investigation and empirical analysis of non-boiling gas-liquid two phase heat transfer in vertical downward pipe orientation**

Bhagwat S. M., MOLLAMAHMUTOĞLU M., Ghajar A. J.

ASME 2012 Heat Transfer Summer Conference Collocated with the ASME 2012 Fluids Engineering Div. Summer Meeting and the ASME 2012 10th Int. Conf. on Nanochannels, Microchannels and Minichannels, HT 2012, Rio Grande, Porto Riko, 8 - 12 Temmuz 2012, cilt.2, ss.349-359

Etkinlik Organizasyonlarındaki Görevler

Mollamahmutoğlu M., 10. ULUSAL HAVACILIK ve UZAY KONFERANSI, Bilimsel Kongre / Sempozyum Organizasyonu, Türkiye, Eylül 2024

Bilimsel Arařtırma / alıřma Grubu Üyelikleri

Advanced Manufacturing Technologies Research Group, Gazi Üniversitesi, Turkey, <https://amtrg.com/>, 2017 - Devam Ediyor