

Res. Asst. PhD GÖRKEM YUMUŞAK

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Biography

Gorkem Yumusak was born in Merzifon (Turkey) in 1987. He graduated from Marmara University Metallurgical and Materials Engineering Department in 2010 and started to work at Marmara University Metallurgical and Materials Engineering in 2011. He completed his master's degree in Materials Science and Engineering at Istanbul Technical University in 2012. Gorkem Yumusak was appointed by Marmara University for his PhD degree in 2013 and he received his PhD from Sheffield University (UK) in 2019. He is currently working at the Metallurgical and Materials Engineering Department of Marmara University.

Education Information

Doctorate, University of Sheffield, Faculty of Engineering, Materials Science and Engineering, United Kingdom 2013 - 2019

Post Graduate, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, Turkey 2010 - 2012

Under Graduate, Anadolu University, Faculty Of Business Administration, Department Of Business, Turkey 2008 - 2012

Under Graduate, Marmara University, Faculty of Engineering, Metallurgical and Material Engineering, Turkey 2005 - 2010

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Evaluating the Effect of Titanium-Based PVD Metallic Thin Films on Nitrogen Diffusion Efficiency in Duplex Plasma Diffusion/Coating Systems, University of Sheffield, 2019

Post Graduate, Soğuk gaz dinamik püskürtme yöntemi ile Cu-Al₂O₃ kompozit kaplamanın üretimi ve karakterizasyonu, Istanbul Technical University, Fen Bilimleri Enstitüsü, 2012

Research Areas

Ceramic Materials, Biomaterials, Thermal Treatment, Plating, Material Characterization, Metallic Materials, Surface Finishing Processes, Powder Metallurgy

Academic Titles / Tasks

Research Assistant, Marmara University, Faculty of Engineering, Metallurgical and Material Engineering, 2011 - Continues

Courses

Materials Science I, Under Graduate, 2019 - 2020

Materials Engineering Economics and Plant Design, Under Graduate, 2019 - 2020

Academic Presentation Skills, Under Graduate, 2019 - 2020

Metallography, Under Graduate, 2019 - 2020

Introduction to Materials Science, Under Graduate, 2019 - 2020

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

- **Samarium and yttrium doping induced phase transitions and their effects on the structural, optical and electrical properties of Nd₂Sn₂O₇ ceramics**
Saleh A. A. , Qasrawi A. F. , Hamamera H. Z. , Khanfar H. K. , YUMUŞAK G.
MATERIALS RESEARCH EXPRESS, vol.6, 2019 (Journal Indexed in SCI)
- **Gd and Tb doping effects on the physical properties of Nd₂Sn₂O₇**
Saleh A. A. , Hamamera H. Z. , Khanfar H. K. , Qasrawi A. F. , Yumusak G.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.88, pp.256-261, 2018 (Journal Indexed in SCI)
- **Physical properties of neodymium tin oxide pyrochlore ceramics**
Saleh A. A. , Qasrawi A. F. , Yumusak G., Mergen A.
MATERIALS SCIENCE-POLAND, vol.35, pp.534-538, 2017 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Properties of Copper Based Coatings Produced by Cold Gas Dynamic Spraying Process**
TAZEGÜL O., CALLI C., YUMUŞAK G., MEYDANOĞLU O., KAYALI E. S.
Academic Journal of Science, 2013 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- **Bioactive PVD Coatings on PEEK for Dental Implant Applications**
Furaji N. A. , Yumuşak G., Leyland A., Wood D., Rehman I.
96th General Session and Exhibitions of the IADR, London, United Kingdom, 25 - 28 Temmuz 2018
- **Titanium and Titanium Niobium Coatings by Magnetron Sputtering on Polyether Ether Ketone (PEEK) for Dental Applications**
FURAJI N. A. , YUMUŞAK G., LEYLAND A., WOOD D., REHMAN I.
19th Annual White Rose Work in Progress Meeting, Leeds, United Kingdom, 18 Aralık 2017
- **Evaluating the Effect of Titanium-Based PVD Metallic Thin Films on Nitrogen Diffusion Efficiency in Duplex Plasma Diffusion/Coating Systems**
Yumuşak G., Leyland A., Matthews A.
International Conference on Metallurgical Coatings and Thin Films (ICMCTF 44), California, United States Of America, 24 - 28 Nisan 2017
- **Properties of Ceramic Reinforced Copper Matrix Composite Coatings Produced by Cold Gas Dynamic Spraying Technique**
TAZEGÜL O., YUMUŞAK G., ÇALLI Ç., MEYDANOĞLU O., KAYALI E. S.
TMS 143rd Annual Meeting and Exhibition, San Diego, United States Of America, 16 - 20 Şubat 2014
- **Surface Modification of Copper with Cu-SiC Composite Coating by Cold Gas Dynamic Spraying Process**
Tazegül O., Yumuşak G., Meydanoğlu O., Kayalı E. S.
14th International Materials Symposium (IMSP 2012), Denizli, Turkey, 10 - 12 Ekim 2012
- **Characterisation of Cu-Al₂O₃ Composite Coatings Produced by Cold Gas Dynamic Spraying Process**
Yumuşak G., Tazegül O., Meydanoğlu O., Kayalı E. S.
16th International Metallurgy and Materials Congress (IMMC 2012), İstanbul, Turkey, 13 - 15 Eylül 2012

Citations

Total Citations (WOS):3

h-index (WOS):1