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Personal Information

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International Researcher IDs

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Education Information

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Metalurji Ve Malzeme Mühendisliği, Turkey 2011 - 2019

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Metalurji Ve Malzeme Mühendisliği, Turkey 2007 - 2010

Undergraduate, Middle East Technical University, Faculty Of Engineering, Metalurji Ve Malzeme Mühendisliği, Turkey 2000 - 2005

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Characterization of rapidly solidified 8% chromium cold work tool steel, Middle East Technical University, Faculty Of Engineering, Department Of Metallurgical And Materials Engineering, 2019

Postgraduate, Production of high carbon ferromanganese from a manganese ore located in Erzincan , Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği, 2010

Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Physical Metallurgy, Thermal Treatment, Production Metallurgy, Principles of Foundry Technology, Pyrometallurgy, Engineering and Technology

Courses

Malzeme Karakterizasyonu, Undergraduate, 2019 - 2020

Plastik Şekil Verme, Undergraduate, 2019 - 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Bioglass-polymer composite scaffolds for bone tissue regeneration: a review of current trends

- Motameni A., Çardaklı İ. S., Gürbüz R., Alshemary A. Z., Razavi M., Farukoğlu Ö. C.
 International Journal of Polymeric Materials and Polymeric Biomaterials, vol.73, no.7, pp.600-619, 2024 (SCI-Expanded)
- II. Preparation and characterization of mesoporous Lanthanum-doped bioactive glass nanoparticles**
 Ashemary A., Haidary S., Muhammed Y., ÇARDAKLI İ. S.
 Digest Journal of Nanomaterials and Biostructures, vol.18, no.2, pp.681-688, 2023 (SCI-Expanded)
- III. Microstructure analysis and thermal stability of Mg²⁺/Sr²⁺/SO₄²⁻ ions doped hydroxyapatite bionanomaterials**
 Alshemary A., Muhammed Y., ÇARDAKLI İ. S., Marandi A.
 Digest Journal of Nanomaterials and Biostructures, vol.18, no.1, pp.1-10, 2023 (SCI-Expanded)
- IV. CHARACTERISATION AND IN VITRO BIOACTIVITY OF HYDROXYAPATITE EXTRACTED FROM CARP FISH BONES FOR BIOMEDICAL APPLICATIONS**
 Challoob D. A., Saleh A. T., Alshemary A., Çardaklı İ. S.
 CERAMICS - SILIKATY, vol.67, no.1, pp.81-86, 2023 (SCI-Expanded)
- V. Refinement of primary carbides in AISI DC 53 cold work tool steel by thin section copper permanent mould casting and water atomization**
 Çardaklı I. S., KALKANLI A.
 International Journal of Cast Metals Research, vol.32, no.3, pp.145-153, 2019 (SCI-Expanded)
- VI. Effect of solidification rate on microstructure and primary carbides of AISI DC 53 cold work tool steel**
 Çardaklı İ. S., KALKANLI A.
 China Foundry, vol.16, no.3, pp.211-216, 2019 (SCI-Expanded)

Articles Published in Other Journals

- I. Usage of boroxide and ulexite ores in ferromanganese production**
 Kocadağıstan M. E., Ayşen M. Z., Çardaklı İ. S.
 Niğde Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.13, no.1, pp.74-83, 2024 (Peer-Reviewed Journal)
- II. Effect of MGZN2 addition on the sintering density, microstructure and hardness of aluminum alloys prepared by powder metallurgy method**
 ÇARDAKLI İ. S., Karadeniz S., Arslan E., Gok D. A.
 SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BİLİMLERİ DERGİSİ, vol.41, no.3, pp.538-544, 2023 (ESCI)
- III. Modified 9K Medium for Ore Bioleaching**
 Kocadağıstan M. E., Çardaklı İ. S., Benkli Y. E.
 International Journal of Earth Sciences Knowledge and Applications, vol.5, no.1, pp.33-38, 2023 (Peer-Reviewed Journal)
- IV. Lanthanum Oxide Doped Calcium Silicate Particles: Preparation and Characterization**
 Çardaklı İ. S.
 Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.25, pp.255-261, 2021 (Peer-Reviewed Journal)
- V. Production of high carbon ferromanganese from a manganese ore located in Erzincan**
 Çardaklı I. S., SevInç N., ÖZTÜRK T.
 Turkish Journal of Engineering and Environmental Sciences, vol.35, no.1, pp.31-38, 2011 (Scopus)

Patent

İpek Çoban G., Çardaklı İ. S., BASINÇ YARASI ÖNLEYİCİ HASTA BEZİ, Patent, CHAPTER A Human Needs, The Invention Recourse Number: 2022/022053 , Standard Registration, 2022

Metrics

Publication: 15

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