

Res. Asst. Emircan Uysal

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Education Information

Postgraduate, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, Turkey 2021 - Continues

Undergraduate, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, Turkey 2016 - 2021

Foreign Languages

English, C1 Advanced

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The production of pH indicator Ca and Cu alginate ((1,4)- β -d-mannuronic acid and α -l-guluronic acid) cryogels containing anthocyanin obtained via red cabbage extraction for monitoring chicken fillet freshness**
Dikmetaş D. N., Uysal E., Karbancıoğlu Güler H. F., Gürmen S.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.231, pp.1-15, 2023 (SCI-Expanded)
- II. **Hydrometallurgical recycling of waste NdFeB magnets: design of experiment, optimisation of low concentrations of sulphuric acid leaching and process analysis**
Uysal E., Al S., Emil-Kaya E., Stopic S., Gürmen S., Friedrich B.
CANADIAN METALLURGICAL QUARTERLY, vol.62, no.1, pp.107-118, 2023 (SCI-Expanded)
- III. **Synthesis of calcium, copper and iron alginate hydrogels doped with Ag nanoparticles produced by chemical reduction method**
Uysal E., Ateş S., Safaltın Ş., Dikmetaş D. N., Devicioğlu D., Karbancıoğlu Güler H. F., Gürmen S.
MATERIALS CHEMISTRY AND PHYSICS, vol.281, 2022 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **IRON REMOVAL FROM NDFEB WASTE MAGNET SOLUTIONS USING SODIUM ALGINATE SOLUTION**
Uysal E., Emil E., Al S., Gürmen S.
21 International Metallurgy and Materials Congress, İstanbul, Turkey, 6 October - 08 November 2022, pp.112-113
- II. **RECYCLING OF CORRODED NDFEB MAGNETS BY HYDROMETALLURGICAL ROUTE**
Emil E., Uysal E., Stopic S., Gürmen S., Friedrich B.
INTERNATIONAL SOLVENT EXTRACTION CONFERENCE 2022, Gothenburg, Sweden, 26 - 30 September 2022, pp.1

Supported Projects

Gürmen S., TÜBİTAK International Multi-Cooperation Project, Sustainable Recovery of Rare Earth Elements (Nd, Dy,Pr) from spent NdFeB magnets, 2021 - 2023

Metrics

Publication: 5

Citation (WoS): 1

Citation (Scopus): 1

H-Index (WoS): 1

H-Index (Scopus): 1