

Asst. Prof. ZELİHA ERTEKİN

Personal Information

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Education Information

Doctorate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Analitik Kimya, Turkey 2011 - 2016

Post Graduate, Akdeniz Üniversitesi, Fen Bilimleri Enstitüsü, Analitik Kimya, Turkey 2008 - 2011

Under Graduate, Ankara Üniversitesi, Fen Fakültesi, Turkey 2003 - 2008

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Susuz Ortamda TiO_x Filmlerinin Elektrokimyasal Olarak Hazırlanması ve Karakterizasyonu, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Dr), 2016

Post Graduate, Metal iyonlarının sulu çözeltilerden Aktif Karbon Kumaşı üzerine adsorpsiyon ve elektrosorpsiyonlarının iyon seçici elektrotlar kullanarak incelenmesi, Akdeniz Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2011

Research Areas

Chemistry, Analytical Chemistry, Spectroscopical Methods, Natural Sciences

Academic Titles / Tasks

Research Assistant, Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2010 - Continues

Research Assistant, Akdeniz Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2009 - 2010

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

- I. **Room temperature electrosynthesis of TinO₂n-1 film and its bilayer with PNMPy on mild steel for corrosion protection in sulphuric acid**
Pekmez N. O., Uğur M., KARACA E., ERTEKİN Z., PEKMEZ K.
ELECTROCHIMICA ACTA, vol.376, 2021 (Journal Indexed in SCI)
- II. **Synthetic routes to manganese oxoborate and correlations between experimental parameters and properties**
İÇTEN O., Özgenc G., ÖZER D., Kose D., Elmaci G., ERTEKİN Z., PEKMEZ K., KARAN B.
Ceramics International, 2021 (Journal Indexed in SCI Expanded)
- III. **One-step electrochemical deposition of thin film titanium suboxide in basic titanyl sulfate solution at room temperature**

ERTEKİN Z., Pekmez N. O. , PEKMEZ K.

JOURNAL OF SOLID STATE ELECTROCHEMISTRY, vol.24, no.4, pp.975-986, 2020 (Journal Indexed in SCI)

- IV. **Electrosynthesis and characterizations of electrochromic and soluble polymer films based on N-substituted carbazole derivates**
Elkhidr H. E. , ERTEKİN Z., Udum Y. A. , PEKMEZ K.
SYNTHETIC METALS, vol.260, 2020 (Journal Indexed in SCI)
- V. **Fuel effects on Li₂CuP₂O₇ synthesized by solution combustion method for lithium-ion batteries**
ÖZER D., ERTEKİN Z., PEKMEZ K., Oztas N. A.
CERAMICS INTERNATIONAL, vol.45, no.4, pp.4626-4630, 2019 (Journal Indexed in SCI)
- VI. **Evaluation of collector adsorption by electrochemical impedance spectroscopy**
ERTEKİN Z., PEKMEZ K., EKMEKÇİ Z.
INTERNATIONAL JOURNAL OF MINERAL PROCESSING, vol.154, pp.16-23, 2016 (Journal Indexed in SCI)
- VII. **Cathodic electrochemical deposition of Magneli phases TinO_{2n-1} thin films at different temperatures in acetonitrile solution**
ERTEKİN Z., Tamer U., PEKMEZ K.
ELECTROCHIMICA ACTA, vol.163, pp.77-81, 2015 (Journal Indexed in SCI)
- VIII. **Comparison of the catalytic efficiency of synthesized nano tin oxide particles and various catalysts for the pyrolysis of hazelnut shell**
Gokdai Z., Sinag A., Yumak T.
BIOMASS & BIOENERGY, vol.34, no.3, pp.402-410, 2010 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Electrochemical detection of thiosulfate in the presence of sulfate ion using stainless steel electrode modified by gold**
ERTEKİN Z., PEKMEZ K., CAN N. M. , EKMEKÇİ Z.
Flotation 19 CapeTown South Africa, 11 - 14 November 2019
- II. **Solution Combustion Synthesis of Lithium Copper Pyrophosphate for Lithium-ion Batteries**
ÖZER D., ERTEKİN Z., ALTUNTAŞ ÖZTAŞ N., PEKMEZ K.
THE INTERNATINONAL CONFERENCE ON MATERIALS SCIENCE MECHANICAL AND AUTOMOTIVE ENGINEERINGS AND TECHNOLOGY IN ÇEŞME/İZMİR (IMSMATEC'18), 10 - 12 April 2018
- III. **Use of EIS to investigate of adsorption of NaCN and Na₂S₂O₅ on pyrite**
ERTEKİN Z., EKMEKÇİ Z., PEKMEZ K.
10th International Conference on Instrumental Methods of Analysis: Modern Trends and Applications, 17 - 21 September 2017
- IV. **Pirit Oksidasyonunun Elektrokimyasal Yöntemlerle İncelenmesi**
ERTEKİN Z., PEKMEZ K., EKMEKÇİ Z.
29. Ulusal Kimya Kongresi, Turkey, 10 - 14 September 2017
- V. **Characterization of electrosynthesized coloured TiO_x thin films electrodes**
ERTEKİN Z., PEKMEZ K.
67th Annual Meeting of the International Society of Electrochemistry, Hague, Netherlands, 21 - 26 August 2016, pp.136
- VI. **A simple method of TiO_x thin film electrodeposition from basic titanyl sulfate solution**
ERTEKİN Z., PEKMEZ K.
11th International Symposium on Electrochemical Micro & Nanosystem Technologies (EMNT2016), Brüksel, Belgium, 17 - 19 August 2016, pp.102
- VII. **Surface characterization of Pyrite using electrochemical techniques**
ERTEKİN Z., PEKMEZ K., EKMEKÇİ Z.
XIV. INTERNATIONAL MINERAL PROCESSING SYMPOSIUM AND EXHIBITION, IMPS 2014, İzmir, Turkey, 15 - 17 October 2014

VIII. Investigation of adsorption and electrosorption of metal ions from aqueous solutions onto activated carbon cloth using ion selective electrodes and ICP spectroscopy

AYRANCI E., ERTEKİN Z., BAYRAM E.

XVII European Conference on Analytical Chemistry, EUROANALYSIS 2013, 25 - 29 August 2013

Supported Projects

ERTEKİN Z., PEKMEZ K., Uğur M., Karaca E., Project Supported by Higher Education Institutions, Farklı elektrot malzemeleri üzerinde titanyum sub-oksit ince filmlerinin asetonitril çözeltisinde elektrokimyasal olarak biriktirilmesi, 2017 - 2018

ERTEKİN Z., Project Supported by Higher Education Institutions, EIS yöntemi kullanılarak pirit yüzeyinde NaCN ve Na₂S₂O₅ adsorpsiyonunun incelenmesi, 2017 - 2017

ERTEKİN Z., Project Supported by Higher Education Institutions, Pirit Oksidasyonunun Elektrokimyasal Yöntemlerle İncelenmesi, 2017 - 2017

PEKMEZ K., ERTEKİN Z., Project Supported by Higher Education Institutions, Bazik titanil sülfat çözeltisinden basit bir yöntemle TiO_x ince film elektrokimyasal biriktirilmesi, 2016 - 2016

PEKMEZ K., ERTEKİN Z., Project Supported by Higher Education Institutions, 67inci uluslararası elektrokimya konferansına katılım, 2016 - 2016

PEKMEZ K., ERTEKİN Z., Project Supported by Higher Education Institutions, Susuz ortamda TiO_x filmlerinin elektrokimyasal olarak hazırlanması, karakterizasyonu ve fotovoltik özelliklerinin incelenmesi, 2014 - 2015

Citations

Total Citations (WOS):55

h-index (WOS):4