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Education Information

Doctorate, Marmara University, Faculty of Arts and Sciences, Chemistry, Turkey 2004 - 2011

Postgraduate, Marmara University, Faculty of Arts and Sciences, Chemistry, Turkey 2001 - 2004

Undergraduate, Marmara University, Ataturk Faculty of Education, Mathematics and Science Education, Turkey 1997 - 2001

Dissertations

Doctorate, Farklı tip 1,4-diazabütadien palladyum komplekslerinin sentezi ve karakterizasyonu, Marmara Üniversitesi, Faculty of Arts and Sciences, Chemistry, 2011

Postgraduate, Ağır ve hafif metaller konsantrlerinde farklı yöntemlerle Ti, Mn, Cr, Fe, Ni, Zn, Zr tayinleri, Marmara Üniversitesi, Faculty of Arts and Sciences, Chemistry, 2004

Academic Titles / Tasks

Research Assistant, Marmara University, Faculty of Arts and Sciences, Chemistry, 2011 - Continues

Research Assistant, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, 2001 - 2011

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The synthesis, characterization and photoluminescence properties of Pb²⁺-doped Na₂Al₂B₂O₇**
Pekgözlü İ., BAŞAK A. S., Yılmaz M.
Ceramics International, vol.50, no.20, pp.38350-38356, 2024 (SCI-Expanded)
- II. **Structural and Near-Infrared Properties of Nd³⁺ Activated Lu₃NbO₇ Phosphor**
Ilhan M., Ekmekçi M. K., Oraltay R. G., Başak A. S.
JOURNAL OF FLUORESCENCE, vol.27, no.1, pp.199-203, 2017 (SCI-Expanded)
- III. **Synthesis and characterization of Sr₂Be₂B₂O₇ by XRD and FTIR**
Karabulut H., Pekgozlu I., Basak A. S., Mergen A.
BULGARIAN CHEMICAL COMMUNICATIONS, vol.49, pp.144-146, 2017 (SCI-Expanded)
- IV. **Synthesis and Photoluminescence Properties of Sr₂Be₂B₂O₇ Doped with Dy³⁺, Sm³⁺, Tb³⁺, and Pb²⁺**
Pekgozlu I., Karabulut H., Mergen A., Basak A. S.
JOURNAL OF APPLIED SPECTROSCOPY, vol.83, no.3, pp.504-511, 2016 (SCI-Expanded)
- V. **Investigation of Boron-doping Effect on Photoluminescence Properties of CdNb₂O₆: Eu³⁺**

Phosphors

Başak A. S., Ekmekçi M. K., Erdem M., Ilhan M., Mergen A.

JOURNAL OF FLUORESCENCE, vol.26, no.2, pp.719-724, 2016 (SCI-Expanded)

- VI. **Structural and optical properties of Nd³⁺ doped columbite SrNb₂O₆**
Ekmekçi M. K., Erdem M., Başak A. S., Danış Ö.
OPTIK, vol.127, no.8, pp.4123-4126, 2016 (SCI-Expanded)
- VII. **Synthesis, characterization and photoluminescence properties of Eu³⁺ doped columbite CdNb₂O₆**
Ekmekçi M. K., Erdem M., Ilhan M., Başak A. S., Mergen A.
OPTIK, vol.127, no.4, pp.1918-1921, 2016 (SCI-Expanded)
- VIII. **Structural and Luminescence Properties of Sm³⁺ Doped TTB -Type BaTa₂O₆ Ceramic Phosphors**
Ekmekçi M. K., Ilhan M., Başak A. S., Deniz S.
JOURNAL OF FLUORESCENCE, vol.25, no.6, pp.1757-1762, 2015 (SCI-Expanded)
- IX. **Molten salt synthesis and optical properties of Eu³⁺, Dy³⁺ or Nd³⁺ doped NiNb₂O₆ columbite-type phosphors**
Elmekci M. K., ERDEM M., BAŞAK A. S., Ilhan M., Mergen A.
CERAMICS INTERNATIONAL, vol.41, no.8, pp.9680-9685, 2015 (SCI-Expanded)
- X. **Molten salt synthesis, visible and near-IR region spectral properties of europium or neodymium doped CoNb₂O₆ columbite niobate**
Ekmekçi M. K., Erdem M., Başak A. S.
DALTON TRANSACTIONS, vol.44, no.12, pp.5379-5385, 2015 (SCI-Expanded)
- XI. **Synthesis and photoluminescence properties of Pb²⁺ doped Li₄CaB₂O₆**
Pekgozlu I., ERDOĞMUŞ E., BAŞAK A. S.
OPTIK, vol.126, pp.1221-1223, 2015 (SCI-Expanded)
- XII. **Synthesis and Photoluminescent Properties of Li₂SrSiO₄:Pb²⁺**
Erdogmus E., Pekgozlu I., Korkmaz E., Basak A. S.
JOURNAL OF APPLIED SPECTROSCOPY, vol.81, no.2, pp.336-340, 2014 (SCI-Expanded)
- XIII. **Synthesis, characterization, oxygen electrocatalysis and OFET properties of novel mono- and ball-type metallophthalocyanines**
Başak A. S., Özkaya A. R., Altındal A., Salih B., Şengül A., Bekaroglu O.
DALTON TRANSACTIONS, vol.43, pp.5858-5870, 2014 (SCI-Expanded)
- XIV. **Synthesis and photoluminescence of LiCaB₃O₃: M (M: Pb²⁺ and Bi³⁺) phosphor**
Pekgozlu I., ERDOĞMUŞ E., ÇUBUK S., BAŞAK A. S.
JOURNAL OF LUMINESCENCE, vol.132, no.6, pp.1394-1399, 2012 (SCI-Expanded)
- XV. **A novel UV-emitting phosphor: Li₆CaB₃O_{8.5}:Pb²⁺**
Pekgozlu I., ERDOĞMUŞ E., Demirel B., GÖK M. S., Karabulut H., BAŞAK A. S.
JOURNAL OF LUMINESCENCE, vol.131, no.11, pp.2290-2293, 2011 (SCI-Expanded)

Articles Published in Other Journals

- I. **Genotoxicity and Cytotoxicity of novel 10B carrier 2R 4 5 6 trihydroxy 2 hydroxymethyl tetrahydro 2H pyran 3 yl boronic acid**
AKAN Z., DEMİROĞLU H., AVCIBAŞI U., OTO G., ÖZDEMİR H., DENİZ S., BAŞAK A. S.
Medical Science and Discovery, vol.1, no.4, pp.96-108, 2014 (Peer-Reviewed Journal)
- II. **Complexion of Boric Acid with 2 Deoxy D glucose DG as a novel boron carrier for BNCT**
AKAN Z., DEMİROĞLU H., AVCIBAŞI U., OTO G., ÖZDEMİR H., DENİZ S., BAŞAK A. S.
Medical Science and Discovery, vol.1, no.3, pp.65-71, 2014 (Peer-Reviewed Journal)
- III. **Synthesis and Characterization of a Novel 1 4 diazabutadiene diimine Complex of Palladium II by the in situ one pot template reaction**
BAŞAK A. S., AYRANCI H.
Scottish Journal of Arts, Social Sciences and Scientific Studies, vol.9, no.1, pp.15-21, 2013 (Peer-Reviewed Journal)

- IV. **Interference Effect of Fe on the Spectroscopic FAAS Determination of Au and Ag in the Ore of Izmit Region in Turkey**
AYRANCI H., BAŞAK A. S., KARABULUT H.
Marmara Fen Bilimleri Dergisi, vol.21, no.1, pp.63-71, 2009 (Peer-Reviewed Journal)
- V. **Baryum Boratların Sentezi ve Üretim Teknolojilerinin Geliştirilmesi**
HALİM A., BAŞAK A. S., KARABULUT H., AKMAN M.
Kimya ve Sanayi, vol.39, no.227, pp.54-57, 2006 (Peer-Reviewed Journal)
- VI. **Magnezyum ve Bakır Boratların Sentezi ve Üretim Teknolojilerinin Geliştirilmesi**
HALİM A., BAŞAK A. S., KARABULUT H., AKMAN M.
Kimya ve Sanayi, vol.39, no.226, pp.40-43, 2006 (Peer-Reviewed Journal)
- VII. **İzmit Yöresine ait Cevher Numunesinin Çözündürme ve Analize Hazırlama İşlemleri**
HALİM A., BAŞAK A. S., KARABULUT H., AKMAN M.
Kimya ve Sanayi, vol.38, pp.80-83, 2005 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Synthesis and Characterization of Sr₂Be₂O₇ by XRD and FTIR**
KARABULUT H., BAŞAK A. S., PEKGÖZLÜ İ.
10th Chemistry Conference, Plovdiv, Bulgaria, 9 - 11 October 2016
- II. **Synthesis Characterization and DNA Binding Studies of Novel Zn II Pc**
YÜCE DURSUN B., DANIŞ Ö., ÇUBUK S., ÇAKIRCA G., DEMİR S., BAŞAK A. S.
28. Ulusal Kimya Kongresi, Mersin, Turkey, 15 - 21 August 2016
- III. **ZnII Ftalosiyanın Türevinin DNA Bağlanma Özelliklerinin in vitro ve in silico Yöntemlerle İncelenmesi**
YÜCE DURSUN B., ÖZALP L., BAŞAK A. S., ERDEM S.
2. Bilgisayar Destekli İlaç Tasarımı Uygulamalı Kursu, Turkey, 16 - 17 May 2016
- IV. **Investigation of Boron doping effect on photoluminescence properties of Dy₃ CdNb₂O₆ phosphors**
BAŞAK A. S., ERDEM M., EKMEKÇİ M. K.
20th International Conference on Solid Compounds of Transition Elements, SCTE-2016, Zaragoza, Spain, 11 - 15 April 2016
- V. **Structural and Optical Properties of Nd₃ Doped Columbite SrNb₂O₆**
EKMEKÇİ M. K., ERDEM M., BAŞAK A. S., MERGEN A.
20th International Conference on Solid Compounds of Transition Elements, SCTE-2016, 11 - 15 April 2016
- VI. **Synthesis Characterization and Investigation of Their DNA Binding Properties of Novel Phthalocyanines**
YÜCE DURSUN B., BAŞAK A. S., DANIŞ Ö., ÇUBUK S., ÇAKIRCA G., DEMİR S.
International Congress on Chemical, Biological and Environmental Sciences (ICCBES), Kyoto, Japan, 7 - 09 May 2015
- VII. **Comparison of SPE and QuEChERS Methods in the Analysis of JWH 018 n pentanoic Acid Positive Blood Samples**
SEZER Y., BAŞAK A. S., DENİZ S.
1st Regional TIAFT Meeting, Antalya, Turkey, 8 - 10 May 2014
- VIII. **Psikoaktif Maddelerin Analiz ve Bilirkişilik Boyutu**
BAŞAK A. S.
Yeni Nesil Psikoaktif Maddeler Sempozyumu, İstanbul Adli Tıp Kurumu, İstanbul, Turkey, 26 November 2013
- IX. **Pb₂ Katkılı Yeni Tip Bir Borat La₂SrB₁₀O₁₉ Pb₂**
KARABULUT H., PEKGÖZLÜ İ., BAŞAK A. S., YILMAZ A.
XXVI. Ulusal Kimya Kongresi, Muğla, Turkey, 1 - 04 October 2012
- X. **Yeni Tip 1 4 Diazabütadien Palladyum Komplekslerinin Sentezi ve Karakterizasyonu**
KARABULUT H., PEKGÖZLÜ İ., BAŞAK A. S., YILMAZ A.
XXVI. Ulusal Kimya Kongresi, Muğla, Turkey, 1 - 04 October 2012

- XI. **Yeni Tip Bir Aromatik Diimin Ligandı L NiL Cl2 ve NiL ClO4 2 3CH3OH Komplekslerinin Sentezi Karakterizasyonu ve Bazı Spektrometrik Özelliklerinin Tayini**
KARABULUT H., PEKGÖZLÜ İ., BAŞAK A. S., YILMAZ A.
XXVI. Ulusal Kimya Kongresi, Muğla, Turkey, 1 - 04 October 2012
- XII. **4 4 1 1 4 metoksifenil metilen bis naftalen 2 1 diil bis oksİ Köprülü Yeni Top Tipi Ftalosiyanınların Sentezi ve Karakterizasyonu**
KARABULUT H., PEKGÖZLÜ İ., BAŞAK A. S., YILMAZ A.
XXVI. Ulusal Kimya Kongresi, Muğla, Turkey, 1 - 04 October 2012
- XIII. **Synthesis characterization and electrochemical measurements of novel ball type 4 4 1 1 4 methoxyphenyl methylene bis naphthalene 2 1 diyl bis oxy bridged Co II Zn II Cu II phthalocyanines**
BAŞAK A. S., ÖZKAYA A. R., BEKAROĞLU Ö.
International Post-Conference Symposium "Frontiers of Organometallic Chemistry" (FOC-2012), Saint Peter, Guernsey And Alderney, 21 - 22 September 2012
- XIV. **Synthesis and Characterization of a Glyoxal Derivative Schiff Base Ni II Complex**
KARABULUT H., BAŞAK A. S., AYRANCI H.
XXII. Ulusal Kimya Kongresi, Cyprus (Kkct), 6 - 10 October 2008
- XV. **Bakır ve Magnezyum Borat Bileşiklerinin Sentezi XRD ve IR Yöntemleri ile Karakterizasyonu**
KARABULUT H., BAŞAK A. S., AYRANCI H.
X. Ulusal Spektroskopi Kongresi, İzmir, Turkey, 4 - 07 July 2007
- XVI. **Bazı Baryum Meta Borat Bileşiklerinin Sentezi XRD ve IR Yöntemleri ile Karakterizasyonu**
KARABULUT H., BAŞAK A. S., AYRANCI H.
X. Ulusal Spektroskopi Kongresi, İzmir, Turkey, 4 - 07 July 2007
- XVII. **Ağır Ve Hafif Metal Konsantrelerinde Farklı Yöntemlerle Ti Mn Cr Fe Ni Zn Zr Tayinleri**
KARABULUT H., BAŞAK A. S., AYRANCI H.
XIX. Ulusal Kimya Kongresi, Aydın, Turkey, 30 September - 04 October 2005
- XVIII. **Ağır ve Hafif Metal Konsantrelerinde Sr Ba Cu Au Ag ve Pt Tayinleri ve Bunların Ekonomik Değerlendirilmesi**
KARABULUT H., BAŞAK A. S., AYRANCI H.
XIX. Ulusal Kimya Kongresi, Aydın, Turkey, 30 September - 04 October 2005

Supported Projects

Ekmekçi M. K., Erdem M., Mergen A., Başak A. S., Project Supported by Higher Education Institutions, Nd3+ katkılı SrNb2O6 kolombit bileşiklerinin yapısal ve optiksel özellikleri, 2016 - 2017

Metrics

Publication: 40
Citation (WoS): 135
Citation (Scopus): 174
H-Index (WoS): 7
H-Index (Scopus): 8

Non Academic Experience

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