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Education Information

Doctorate, Ondokuz Mayıs University, Faculty Of Arts And Sciences, Department Of Chemistry, Turkey 2001 - 2008

Postgraduate, Ondokuz Mayıs University, Faculty Of Arts And Sciences, Department Of Chemistry, Turkey 1999 - 2001

Undergraduate, Ondokuz Mayıs University, Faculty Of Education, Kimya Öğretmenliği, Turkey 1994 - 1998

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Asitle Aktifleştirilmiş-, Metal- ve Karışık Metal-İşli Bentonitlerin Brønsted ve Lewis Asitliklerinin Çeşitli Yüzey Analiz Teknikleriyle İncelenmesi, Ondokuz Mayıs Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2008

Postgraduate, FTIR, XRD, Termal Analiz ve Yüzey Alanı Ölçümleriyle İncelenmiş Çeşitli Kaolin-DMSO-Organik Türleri, Ondokuz Mayıs Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2001

Research Areas

Chemistry, Physical Chemistry, Surface Chemistry, Natural Sciences

Academic Titles / Tasks

Professor, Erzincan Binali Yıldırım University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2018 - Continues

Associate Professor, Erzincan Binali Yıldırım University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2013 - 2018

Assistant Professor, Erzincan Binali Yıldırım University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2008 - 2013

Research Assistant, Ondokuz Mayıs University, Faculty Of Arts And Sciences, Department Of Chemistry, 1999 - 2001

Jury Memberships

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Prussian blue modified magnetite decorated MW-CNT nanocomposite: synthesis, characterization and potential use as Photo-Fenton catalysts for phenol degradation**
Gögen Y., KOÇAK Ç. C., Karabiberoğlu Ş., Polatdemir E., Aslaner H., Zorlu R., ÇAĞLAR B., ÇIRAK Ç., ÖZDOKUR K. V.
Chemical Papers, vol.78, no.3, pp.1863-1874, 2024 (SCI-Expanded)
- II. **A PVC-Membrane Cationic Surfactant Sensitive Potentiometric Sensor: Potentiometric Determination of Dodecyltrimethyl Ammonium Ion**
Yalcin B., ÇOLDUR F., ÇAĞLAR B., Topcu C.
ChemistrySelect, vol.8, no.46, 2023 (SCI-Expanded)
- III. **Construction of a novel Cu(II)-selective electrode with long life span based on 8-aminoquinoline functionalized bentonite**
Dogan B., ÇOLDUR F., ÇAĞLAR B., ÖZDEMİR A. O., KELEŞ GÜNER E., ÖZDOKUR K. V.
Monatshefte fur Chemie, vol.154, no.1, pp.53-64, 2023 (SCI-Expanded)
- IV. **Facile synthesis of TiO₂-coated cotton fabric and its versatile applications in photocatalysis, pH sensor and antibacterial activities**
Özdemir A. O., Çağlar B., Çubuk O., Çoldur F., Kuzucu M., Keleş Güner E., Doğan B., Çağlar S., Özdukur K. V.
Materials Chemistry and Physics, vol.287, 2022 (SCI-Expanded)
- V. **Gold-Nanoparticles-Decorated ZrO₂-CuO Nanocomposites: Synthesis, Characterization and A Novel Platform for Electrocatalytic Formaldehyde Oxidation**
Özdokur K. V., Koçak Ç. C., Eden Ç., Demir Z., Çırak Ç., Yavuz E., Çağlar B.
ChemistrySelect, vol.7, no.28, 2022 (SCI-Expanded)
- VI. **Solid-state Electrochemical Sensor Based on a Cross-linked Copper(II)-doped Copolymer and Carbon Nanotube Material for Selective and Sensitive Detection of Monohydrogen Phosphate**
Topcu C., Çoldur F., Çağlar B., Özdukur K. V., Çubuk O.
Electroanalysis, vol.34, no.3, pp.474-484, 2022 (SCI-Expanded)
- VII. **Silver(I) complexes containing diclofenac and niflumic acid induce apoptosis in human-derived cancer cell lines**
Altay A., Çağlar S., Çağlar B.
Archives of Physiology and Biochemistry, vol.128, no.1, pp.69-79, 2022 (SCI-Expanded)
- VIII. **Synthesis, structural characterization and evaluation of anticancer activity of polymeric silver(I) complexes based on niflumic acid/naproxen and picoline derivatives**
ÇAĞLAR S., ALTAY A., Harurluoglu B., Yeniceri E. K. K., ÇAĞLAR B., Şahin O.
Journal of Coordination Chemistry, vol.75, no.1-2, pp.178-196, 2022 (SCI-Expanded)
- IX. **Bi₂S₃ nanorods decorated on bentonite nanocomposite for enhanced visible-light-driven photocatalytic performance towards degradation of organic dyes**
Çağlar B., Keleş Güner E., Ersoy S., Çağlar S., Özdemir A. O., Özdukur K. V., Doğan B., İçer F., Çırak Ç.
Journal of Alloys and Compounds, vol.885, 2021 (SCI-Expanded)
- X. **In Vitro Anticancer Activity of Novel Co(II) and Ni(II) Complexes of Non-steroidal Anti-inflammatory Drug Niflumic Acid Against Human Breast Adenocarcinoma MCF-7 Cells**
Çağlar S., Altay A., Kuzucu M., Çağlar B.
CELL BIOCHEMISTRY AND BIOPHYSICS, vol.79, no.4, pp.729-746, 2021 (SCI-Expanded)
- XI. **WO₃ decorated TiO₂ nanotube array electrode: Preparation, characterization and superior photoelectrochemical performance for rhodamine B dye degradation**
Davashioğlu İ. Ç., Özdukur K. V., Koçak S., Çırak Ç., Çağlar B., Bozkurt Çırak B., Nil Ertaş F.
Journal of Molecular Structure, vol.1241, 2021 (SCI-Expanded)
- XII. **Application of BiFeO₃ and Au/BiFeO₃ decorated kaolinite nanocomposites as efficient photocatalyst**

- for degradation of dye and electrocatalyst for oxygen reduction reaction**
Çağlar B., Guner E., Özdkur K. V., Özdemir A. O., İcer F., Çağlar S., Doğan B., Beşer B. M., Çırak Ç., Tabak A., et al.
Journal of Photochemistry and Photobiology A: Chemistry, vol.418, 2021 (SCI-Expanded)
- XIII. Binuclear silver(I) complexes with the non-steroidal anti-inflammatory drug tolfenamic acid: Synthesis, characterization, cytotoxic activity and evaluation of cellular mechanism of action**
Harurluoglu B., Altay A., Çağlar S., Yeniceri E. K. K., Çağlar B., Şahin Z. S.
POLYHEDRON, vol.202, 2021 (SCI-Expanded)
- XIV. A novel amperometric H₂O₂ biosensor constructed by cress peroxidase entrapped on BiFeO₃ nanoparticles**
Çağlar B., İcer F., Özdkur K. V., Çağlar S., Özdemir A. O., Keleş Güner E., Beşer B. M., Altay A., Çırak Ç., Doğan B., et al.
Materials Chemistry and Physics, vol.262, 2021 (SCI-Expanded)
- XV. TRINUCLEAR SILVER(I) COMPLEX OF NON-STEROIDAL ANTI-INFLAMMATORY DRUG NAPROXEN: SYNTHESIS, CHARACTERIZATION, AND IN VITRO CYTOTOXICITY**
Çağlar S., Altay A., Harurluoğlu B., Çağlar B.
Macedonian Journal of Chemistry and Chemical Engineering, vol.40, no.2, pp.171-180, 2021 (SCI-Expanded)
- XVI. The enhanced light harvesting performance of dye-sensitized solar cells based on ZnO nanorod-TiO₂ nanotube hybrid photoanodes**
Bozkurt Çırak B., Eden Ç., Erdoğan Y., Demir Z., Özdkur K. V., Caglar B., Morkoç Karadeniz S., Kılıç T., Ercan Ekinci A., Çırak Ç.
Optik, vol.203, 2020 (SCI-Expanded)
- XVII. Butylamine-resadiye bentonite composite characterization**
Koksal E., Afsin B., Tabak A., Çağlar B.
Spectroscopy Letters, vol.53, no.10, pp.745-750, 2020 (SCI-Expanded)
- XVIII. Preparation and characterization of a novel activated carbon component via chemical activation of tea woody stem**
Tabak A., Sevimli K., Kaya M., Çağlar B.
Journal of Thermal Analysis and Calorimetry, vol.138, no.6, pp.3885-3895, 2019 (SCI-Expanded)
- XIX. Novel silver(I) complexes bearing mefenamic acid and pyridine derivatives: Synthesis, chemical characterization and in vitro anticancer evaluation**
Altay A., Çağlar S., Çağlar B., Şahin Z. S.
INORGANICA CHIMICA ACTA, vol.493, pp.61-71, 2019 (SCI-Expanded)
- XX. Y Synthesis, characterization, and in vitro effect of the Cu(II) complex with niflumic acid and 3-picoline on paraoxanase-I**
Dilek E., Çağlar S., Cardak S., Karakoc B., Çağlar B., Şahin O.
ARCHIV DER PHARMAZIE, vol.352, no.6, 2019 (SCI-Expanded)
- XXI. Novel Copper(II)-Selective Potentiometric Sensor Based on a Folic Acid-Functionalized Carbon Nanotube Material**
Topcu C., Çağlar B., Keleş Güner E., Çoldur F., Çağlar S., Yıldırım O., Özdkur K. V., Çubuk O.
ANALYTICAL LETTERS, vol.52, no.16, pp.2524-2545, 2019 (SCI-Expanded)
- XXII. Synthesis of TiO₂ nanotube/ZnO nanorod hybrid nanocomposite photoanodes for dye-sensitized solar cells**
Bozkurt Çırak B., Demir Z., Eden Ç., Erdogan Y., Çağlar B., Morkoç Karadeniz S., Kılıç T., Ekinci A. E., Çırak Ç.
Journal of Materials Science: Materials in Electronics, vol.30, no.7, pp.6335-6341, 2019 (SCI-Expanded)
- XXIII. Voltammetric detection of chlorite ion using carbon paste sensor modified with N-cetylpyridinium-bentonite**
Çubuk O., Colak I., Özdkur K. V., Çağlar B., Çoldur F., Topcu C.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, vol.99, no.4, pp.343-356, 2019 (SCI-Expanded)
- XXIV. Synthesis and characterization of ZnO nanorice decorated TiO₂ nanotubes for enhanced photocatalytic activity**
Bozkurt Çırak B., Çağlar B., Kılıç T., Morkoç Karadeniz S., Erdogan Y., Kılıç S., Kahveci E., Ekinci A. E., Çırak Ç.

- MATERIALS RESEARCH BULLETIN, vol.109, pp.160-167, 2019 (SCI-Expanded)
- XXV. **Fe3O4 nanoparticles decorated smectite nanocomposite: Characterization, photocatalytic and electrocatalytic activities**
Çağlar B., Keleş Güner E., Keles K., Özدokur K. V., Çubuk O., Çoldur F., Çağlar S., Topcu C., Tabak A.
SOLID STATE SCIENCES, vol.83, pp.122-136, 2018 (SCI-Expanded)
- XXVI. **Fabrication of TiO₂/ZnO/Pt nanocomposite electrode with enhanced electrocatalytic activity for methanol oxidation**
Özdokur K. V., Bozkurt Çırak B., Çağlar B., Çırak Ç., Morkoç Karadeniz S., Kilinç T., Erdogan Y., Ekinci A. E.
VACUUM, vol.155, pp.242-248, 2018 (SCI-Expanded)
- XXVII. **Synthesis, structural, thermal elucidation and in vitro anticancer activity of novel silver(I) complexes with non-steroidal anti-inflammatory drugs diclofenac and mefenamic acid including picoline derivatives**
Altay A., Çağlar S., Çağlar B., Şahin O.
POLYHEDRON, vol.151, pp.160-170, 2018 (SCI-Expanded)
- XXVIII. **Electrochemical Determination of Copper(II) in Water Samples Using a Novel Ion-Selective Electrode Based on a Graphite Oxide-Imprinted Polymer Composite**
Topcu C., Lacın G., Yılmaz V., Çoldur F., Çağlar B., Çubuk O., İşıldak İ.
Analytical Letters, vol.51, no.12, pp.1890-1910, 2018 (SCI-Expanded)
- XXIX. **Synthesis and characterization of four novel palladium(II) and platinum(II) complexes with 1-(2-aminoethyl)pyrrolidine, diclofenac and mefenamic acid: In vitro effect of these complexes on human serum paraoxanase1 activity**
Dilek E., Çağlar S., Erdogan K., Çağlar B., Sahin O.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, vol.32, no.4, 2018 (SCI-Expanded)
- XXX. **Structural characterization of chitosan-smectite nanocomposite and its application in the development of a novel potentiometric monohydrogen phosphate-selective sensor**
Topcu C., Çağlar B., Önder A., Çoldur F., Çağlar S., Guner E. K., Çubuk O., Tabak A.
Materials Research Bulletin, vol.98, pp.288-299, 2018 (SCI-Expanded)
- XXXI. **Synthesis, surface properties, crystal structure and dye sensitized solar cell performance of TiO₂ nanotube arrays anodized under different voltages**
Bozkurt Çırak B., Karadeniz S. M., Kilinç T., Çağlar B., Ekinci A. E., Yelgin H., Kurekci M., Çırak Ç.
Vacuum, vol.144, pp.183-189, 2017 (SCI-Expanded)
- XXXII. **Synthesis, crystal structure, spectroscopy, thermal properties and carbonic anhydrase activities of new metal(II) complexes with mefenamic acid and picoline derivatives**
Dilek E., Çağlar S., Dogancay N., Çağlar B., Sahin O., Tabak A.
Journal of Coordination Chemistry, vol.70, no.16, pp.2833-2852, 2017 (SCI-Expanded)
- XXXIII. **Structural, thermal and morphological properties of a novel poly(acrylamide-comethacrylic acid)/organoclay nanocomposite**
Çağlar B., Çoldur F., Çağlar S., Çubuk O., Tabak A., Topcu C.
Inorganic and Nano-Metal Chemistry, vol.47, no.3, pp.360-364, 2017 (SCI-Expanded)
- XXXIV. **Structural characterization of the silk of two-spotted spider mite *Tetranychus urticae* Koch (Acarı: Tetranychidae)**
Doğan S., Çağlar M., Çağlar B., Çırak Ç., Zeytun E.
Systematic and Applied Acarology, vol.22, no.4, pp.572-583, 2017 (SCI-Expanded)
- XXXV. **New metal complexes with diclofenac containing 2-pyridineethanol or 2-pyridinepropanol: synthesis, structural, spectroscopic, thermal properties, catechol oxidase and carbonic anhydrase activities**
Çağlar S., Dilek E., Çağlar B., Adiguzel E., Temel E., Buyukgungor O., Tabak A.
Journal of Coordination Chemistry, vol.69, no.22, pp.3321-3335, 2016 (SCI-Expanded)
- XXXVI. **New copper(II) complexes including pyridine-2,5-dicarboxylic acid: synthesis, spectroscopic, thermal properties, crystal structure and how these complexes interact with purified PON 1 enzyme**
Çağlar S., Dilek E., Hamamci Alisir S., Çağlar B.

- Journal of Coordination Chemistry, vol.69, no.16, pp.2482-2492, 2016 (SCI-Expanded)
- XXXVII. **Statistical investigation of the cotton dyeing kinetics of CI Reactive Black 5 dye**
Özdemir A. O., Çağlar B., Tutak M., Demiryürek O.
Coloration Technology, vol.132, no.2, pp.130-134, 2016 (SCI-Expanded)
- XXXVIII. **DEVELOPING A STATISTICAL MODEL OF CI REACTIVE RED 194 DYE EXHAUSTION ON COTTON FABRIC USING DIFFERENT DYEING PARAMETERS**
Özdemir A. O., Çağlar B., Tutak M., Demiryürek O.
CELLULOSE CHEMISTRY AND TECHNOLOGY, vol.50, pp.497-504, 2016 (SCI-Expanded)
- XXXIX. **Structural, thermal, morphological and surface charge properties of dodecyltrimethylammonium-smectite composites**
Çağlar B., Topcu C., Çoldur F., Sarp G., Çağlar S., Tabak A., Sahin E.
Journal of Molecular Structure, vol.1105, pp.70-79, 2016 (SCI-Expanded)
- XL. **A Novel Flow-Injection Potentiometric Detector for Determination of Tamoxifen in Anticancer Drug Formulations**
Kanberoğlu G. S., Çoldur F., Çubuk O., Topcu C., Çağlar B.
Sensor Letters, vol.14, no.1, pp.59-64, 2016 (SCI-Expanded)
- XLI. **Flow injection potentiometric determination of silver(I) in photographic film developing solution samples by polyvinylchloride membrane silver(I) selective electrode**
Topcu C., Çoldur F., Andac M., Cubuk O., Kanberoğlu G. S., Çağlar B., İşıldak İ.
Journal of the Chemical Society of Pakistan, vol.38, no.5, pp.881-888, 2016 (SCI-Expanded)
- XLII. **Characterization of AlFe-pillared Unye bentonite: A study of the surface acidity and catalytic property**
Çağlar B., Çubuk O., Demir E., Çoldur F., Catır M., Topcu C., Tabak A.
Journal of Molecular Structure, vol.1089, pp.59-65, 2015 (SCI-Expanded)
- XLIII. **Structural characterization of hexadecyltrimethylammonium-smectite composites and their potentiometric electrode applications**
Çubuk O., Çağlar B., Topcu C., Çoldur F., Sarp G., Tabak A., Sahin E.
Applied Surface Science, vol.338, pp.99-112, 2015 (SCI-Expanded)
- XLIV. **Adsorption of lysozyme from aqueous solutions by a novel bentonite-tryptophane (Bent-Trp) microcomposite affinity sorbent**
Kalburcu T., Tabak A., Ozturk N., Tuzmen N., Akgöl S., Çağlar B., Denizli A.
Journal of Molecular Structure, vol.1083, pp.156-162, 2015 (SCI-Expanded)
- XLV. **Pyronin y (basic xanthene dye)-bentonite composite: A spectroscopic study**
Tabak A., Kaya M., Yilmaz N., Meral K., Onganer Y., Çağlar B., Sungur O.
Journal of Molecular Structure, vol.1059, no.1, pp.271-279, 2014 (SCI-Expanded)
- XLVI. **Characterization of unye bentonite after treatment with sulfuric acid**
Çağlar B., Afsin B., Koksal E., Tabak A., Eren E.
Quimica Nova, vol.36, no.7, pp.955-959, 2013 (SCI-Expanded)
- XLVII. **Synthesis, crystal structure, spectroscopic, thermal, catechol oxidase and catalase-like studies: New copper(II) complexes of 2-benzoylbenzoate and 2-pyridilpropanol ligands**
Çağlar S., Adiguzel E., Çağlar B., Saykal T., Şahin E., Buyukgungor O.
Inorganica Chimica Acta, vol.397, pp.101-109, 2013 (SCI-Expanded)
- XLVIII. **Covalent grafting of pyridine-2-methanol into kaolinite layers**
Çağlar B., Çırak Ç., Tabak A., Afsin B., Eren E.
Journal of Molecular Structure, vol.1032, pp.12-22, 2013 (SCI-Expanded)
- XLIX. **Four copper(II) diclofenac complexes with pyridine derivatives: Synthesis, crystal structures, spectroscopic properties, thermal analysis and catechol oxidase activities**
Çağlar S., Aydemir I. E., Adiguzel E., Çağlar B., Demir S., Buyukgungor O.
Inorganica Chimica Acta, vol.408, pp.131-138, 2013 (SCI-Expanded)
- L. **Structural characterization of kaolinite-nicotinamide intercalation composite**
Caglar B.

- Journal of Molecular Structure, vol.1020, pp.48-55, 2012 (SCI-Expanded)
- LI. **Two new 2-benzoylbenzoate metal complexes with bapen: Synthesis, spectroscopic and crystal structures**
Çağlar S., Çağlar B., Buyukgungor O.
Journal of Chemical Crystallography, vol.42, no.5, pp.464-471, 2012 (SCI-Expanded)
- LII. **Structural analysis of naproxen-intercalated bentonite (Unye)**
Tabak A., Yilmaz N., Eren E., Çağlar B., Afsin B., Saruhan A.
Chemical Engineering Journal, vol.174, no.1, pp.281-288, 2011 (SCI-Expanded)
- LIII. **Structural characterization of aniline-bentonite composite by FTIR, DTA/TG, and PXRD analyses and BET measurement**
Koksal E., Afsin B., Tabak A., Çağlar B.
Spectroscopy Letters, vol.44, no.2, pp.77-82, 2011 (SCI-Expanded)
- LIV. **Adsorption of Reactive Red 120 from aqueous solutions by cetylpyridinium-bentonite**
Tabak A., Baltaş N., Afsin B., Emirik M., Çağlar B., Eren E.
Journal of Chemical Technology and Biotechnology, vol.85, no.9, pp.1199-1207, 2010 (SCI-Expanded)
- LV. **Adsorption of basic dye from aqueous solutions by modified sepiolite: Equilibrium, kinetics and thermodynamics study**
Eren E., Çubuk O., Ciftci H., Eren B., Çağlar B.
Desalination, vol.252, no.1-3, pp.88-96, 2010 (SCI-Expanded)
- LVI. **The spectral, structural and thermal characterizations of dimethyl sulphoxide, pyridine, ethanolamine and N-methyl formamide intercalated kaolinites**
Çağlar B., Afsin B., Eren E., Tabak A., Çırak Ç., Çubuk O.
Zeitschrift fur Naturforschung - Section A Journal of Physical Sciences, vol.65, no.11, pp.1009-1019, 2010 (SCI-Expanded)
- LVII. **EQUILIBRIUM AND KINETIC STUDIES ON THE REMOVAL OF BASIC DYE USING RAW AND THERMAL-ACTIVATED FATSA BENTONITE**
Eren E., Çağlar B., Eren B., Tabak A.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.19, no.5, pp.773-782, 2010 (SCI-Expanded)
- LVIII. **Characterization of the cation-exchanged bentonites by XRPD, ATR, DTA/TG analyses and BET measurement**
Caglar B., Afsin B., Tabak A., Eren E.
Chemical Engineering Journal, vol.149, no.1-3, pp.242-248, 2009 (SCI-Expanded)
- LIX. **Determination of adsorptive properties of a Turkish Sepiolite for removal of Reactive Blue 15 anionic dye from aqueous solutions**
Tabak A., Eren E., Afsin B., Caglar B.
Journal of Hazardous Materials, vol.161, no.2-3, pp.1087-1094, 2009 (SCI-Expanded)
- LX. **Characterization and pillaring of a Turkish bentonite (Resadiye)**
Tabak A., Afsin B., Caglar B., Koksal E.
Journal of Colloid and Interface Science, vol.313, no.1, pp.5-11, 2007 (SCI-Expanded)
- LXI. **Benzamide species retained by DMSO composites at a kaolinite surface**
Caglar B., Afsin B., Tabak A.
Journal of Thermal Analysis and Calorimetry, vol.87, no.2, pp.429-432, 2007 (SCI-Expanded)

Articles Published in Other Journals

- I. **In Vitro Cytotoxic Evaluation of a Silver(I) Complex Including Non-Steroidal Anti-Inflammatory Drug Niflumic Acid and 3-Picoline on Human-Derived Cancer Cell Lines**
Çağlar S., Altay A., Çağlar B., Kağan Yeniçeri E. K., Harurluoğlu B.
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.15, no.3, pp.736-748, 2022 (Peer-Reviewed Journal)
- II. **Investigation of Photocatalytic and Antibacterial Properties of TiO₂ Nanoparticles Coated Cotton**

Fabric

Özdemir A. O., Kuzucu M., Keleş Güner E., Doğan B., Çağlar B.

Karadeniz Fen Bilimleri Dergisi, vol.12, no.2, pp.1017-1031, 2022 (Peer-Reviewed Journal)

- III. **Kil esaslı bütünüyle-katı-hal kompozit kurşun (II)-seçici potansiyometrik elektrot**
Doğan B., Çağlar B., Topcu C., Çoldur F., Özdemir A. O., Keleş Güner E., Çubuk O., Özdokur K. V.
Sinop Üniversitesi Fen Bilimleri Dergisi, vol.7, no.1, pp.8-21, 2022 (Peer-Reviewed Journal)

- IV. Keleş Güner E., İcer F., Özdemir A. O., Çağlar B.
Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.11, no.3, pp.815-827, 2021 (Peer-Reviewed Journal)
- V. **Synthesis, Characterization and Photocatalytic Activity of Cu_xZn(1-x)O Nanoparticles Decorated Kaolinite Nanocomposite**
Keleş Güner E., Çağlar B.
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.13, no.2, pp.369-383, 2020 (Peer-Reviewed Journal)
- VI. **Characterization of a hybrid-smectite nanomaterial formed by immobilizing of N-pyridin-2-ylmethysuccinamic acid onto (3- Aminopropyl)triethoxsilane modified smectite and its potentiometric sensor application**
Topcu C., Çağlar S., Çağlar B., Çoldur F., Çubuk O., Sarp G., Gedik K., Cirak B. B., Tabak A.
Advances in Natural Sciences: Nanoscience and Nanotechnology, vol.7, no.3, 2016 (Peer-Reviewed Journal)
- VII. **ASIT AKTİFLEŞTİRİLMİŞ BENTONİT (ÜNYE) NUMELERİNDEKİ ASİDİK MERKEZLERİNİN TEŞHİSİ**
ÇAĞLAR B., AFSIN B., ÇUBUK O., TABAK A., EREN E., porikli s.
EÜFBED - Fen Bilimleri Enstitüsü Dergisi, vol.3, no.1, pp.73-89, 2010 (Peer-Reviewed Journal)
- VIII. **Asit aktifleştirilmiş Bentonit (Ünye) Numunelerindeki Asidik Merkezlerin Teşhisi**
ÇAĞLAR B., ÇUBUK O., DURDAĞI S.
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.3, no.1, pp.71-87, 2010 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Ag₂S/G-C₃n4/TiO₂ Nanocomposite: Synthesis, Characterization And Photocatalytic Applications**
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