

Prof. NURAY YILDIZ

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), Turkey 1993 - 1997

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (YI) (Tezli), Turkey 1990 - 1993

Undergraduate, Ankara University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 1984 - 1988

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Kütahya bentonitinin soda aktivasyonu, Ankara University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), 1997

Postgraduate, ,, Ankara University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (YI) (Tezli), 1993

Research Areas

Chemical Engineering and Technology, Engineering and Technology

Academic Titles / Tasks

Professor, Ankara University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 1989 - Continues

Academic and Administrative Experience

Ankara University, 2013 - 2014

Courses

CEN489, Undergraduate, 2022 - 2023
KİMYASAL TEKNOLOJİLER, Undergraduate, 2021 - 2022
Kimya Mühendisliğinde Gelişmeler, Doctorate, 2022 - 2023, 2021 - 2022
Araştırma Teknikleri, Undergraduate, 2022 - 2023
Araştırma Teknikleri, Undergraduate, 2021 - 2022
Fizikokimya, Undergraduate, 2022 - 2023
Araştırma Teknikleri, Undergraduate, 2021 - 2022
Mühendislik Termodinamiği, Undergraduate, 2022 - 2023
Yaz Stajı II, Undergraduate, 2022 - 2023
Chemical Engineering Laboratory II, Undergraduate, 2022 - 2023
Termodinamik, Undergraduate, 2021 - 2022
Enstrumental Analiz, Undergraduate, 2021 - 2022
Introduction to Nanotechnology, Undergraduate, 2022 - 2023
Engineering Thermodynamics, Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013
NANOTEKNOLOJİYE GİRİŞ, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009
FİZİKOKİMYA, Undergraduate, 2013 - 2014, 2011 - 2012, 2009 - 2010, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003
ENSTRUMENTAL ANALİZ LAB., Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004
TERMODİNAMİK, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010

Advising Theses

Yıldız N., Azot katkılı indirgenmiş grafen oksit/bakır/polidopamin içeren çok bileşenli manyetik nanokompozitlerin sentezi ve fotokatalitik etkinliğinin incelenmesi, Postgraduate, A.ÖZTÜRK(Student), 2023
Yıldız N., MANYETİK FOTOKATALİZÖRLERİN SENTEZİ VE FOTOKATALİTİK AKTİVİTELERİNİN İNCELENMESİ, Postgraduate, A.BEDRİ(Student), 2023
Yıldız N., HETEROATOM KATKILI GRAFEN İÇEREN NANOKOMPOZİTLERİN ENERJİ DEPOLAMA PERFORMANSLARININ İNCELENMESİ, Postgraduate, H.ALTINIŞIK(Student), 2023
YILDIZ N., POLİETİLENİMİN (PEI) İLE MODİFİYE EDİLMİŞ CU-Nİ NANOKOMPOZİTLERİN SENTEZİ, KARAKTERİZASYONU VE ANTİBAKTERİYEL ÖZELİKLERİNİN İNCELENMESİ, Postgraduate, Z.TEPELİ(Student), 2021
YILDIZ N., Synthesis, characterization and examination of photothermal activities of graphene oxide based nanocomposites, Postgraduate, B.GETİREN(Student), 2020
YILDIZ N., Grafen temelli nanokompozitlerin süperkapasitör uygulamaları için performanslarının incelenmesi, Doctorate, Z.ÇIPLAK(Student), 2020
YILDIZ N., Synthesis and characterization of nanocomposites containing graphene quantum dots, Postgraduate, C.GÖKALP(Student), 2019
YILDIZ N., Grafen-metal/metal oksit-polianilin nanokompozitlerinin sentezi, karakterizasyonu ve elektrokimyasal performanslarının belirlenmesi, Postgraduate, G.KURUÇAM(Student), 2019
YILDIZ N., Synthesis and characterization of graphene-metal/metal oxide nanocomposites, Postgraduate, S.AKIN(Student), 2019
YILDIZ N., Atmosferik koşullarda ve süperkritik akışkan ortamında Fe₃O₄-PLGA nanokompozitlerinin sentezi ve karakterizasyonu, Doctorate, C.ATİLA(Student), 2015
YILDIZ N., Nano polimerlerin sentezi, karakterizasyonu ve toksik özelliklerinin incelenmesi, Postgraduate, E.BABAARSLAN(Student), 2014
YILDIZ N., Grafen temelli polianilin gümüş nanotanic nanokompozitlerinin sentez ve karakterizasyonu, Postgraduate, Z.ÇIPLAK(Student), 2013
YILDIZ N., [18F]flor üretiminde kullanılan [18O]H₂O'nin saflaştırılması ve analizi, Postgraduate, D.KIVRAKDAL(Student), 2009

YILDIZ N., [18F]Flor üretiminde kullanılan [18O]H₂O'nin saflaştırılması ve analizi, D.KIVRAKDAL(Student), 2009
YILDIZ N., Hidroksiapatit nanoparçacıklarının sentezi, Postgraduate, B.CENGİZ(Student), 2007
YILDIZ N., Süperkritik akışkan ortamında kiral hidroksi ketonların sentezi, Doctorate, N.ÇELEBİ(Student), 2007
YILDIZ N., Süperkritik akışkan ortamında farmasötik maddelerin tanecik oluşumunun incelenmesi, Postgraduate, Ş.TUNA(Student), 2006
YILDIZ N., Hidroksiapatit/kitosan kompozitinin sentezi ve karakterizasyonu, Postgraduate, D.KAVAK(Student), 2005
YILDIZ N., Organik kirleticilerin tek ve çift katyonlu organobentonitlere adsorpsiyonu, Postgraduate, R.GÖNÜLŞEN(Student), 2002

Jury Memberships

Post Graduate, Post Graduate, Ankara Üniversitesi, September, 2022
Post Graduate, Post Graduate, Ankara Üniversitesi, September, 2022
Post Graduate, Post Graduate, Ankara Üniversitesi, February, 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Graphene oxide/polyaniline/silver nanocomposite synthesis and photothermal performance**
YÜREKLİ BAYAR E., GETİREN B., SOYSAL F., ÇIPLAK Z., YILDIZ N., BAYRAKTAR E.
Materials Research Bulletin, vol.166, 2023 (SCI-Expanded)
- II. **Nitrogen-doped graphene quantum dots/co-doped PANI binary nanocomposites as high-performance supercapacitor electrode materials**
Getiren B., Altınışık H., ÇIPLAK Z., SOYSAL F., YILDIZ N.
Synthetic Metals, vol.298, 2023 (SCI-Expanded)
- III. **Ag@Fe₃O₄ nanoparticles decorated NrGO nanocomposite for supercapacitor application**
ÇIPLAK Z., YILDIZ N.
Journal of Alloys and Compounds, vol.941, 2023 (SCI-Expanded)
- IV. **N-doped reduced graphene oxide/MnO₂/co-doped polyaniline ternary nanocomposites for electrochemical energy storage applications**
Getiren B., Altınışık H., SOYSAL F., ÇIPLAK Z., YILDIZ N.
Journal of Electroanalytical Chemistry, vol.932, 2023 (SCI-Expanded)
- V. **Energy Storage Performance of Nitrogen Doped Reduced Graphene Oxide/Co-Doped Polyaniline Nanocomposites**
Altınışık H., Getiren B., ÇIPLAK Z., SOYSAL F., YILDIZ N.
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.33, no.2, pp.353-367, 2023 (SCI-Expanded)
- VI. **Fabrication of polypyrrole enveloped reduced graphene oxide/iron oxide and determination of its photothermal properties**
Soysal F., Ciplak Z., Getiren B., Gokalp C., Yildiz N.
Materials Research Bulletin, vol.150, 2022 (SCI-Expanded)
- VII. **An anticancer drug loading and release study to ternary GO-Fe₃O₄-PPy and Fe₃O₄ @PPy-NGQDs nanocomposites for photothermal chemotherapy**
ATİLA DİNÇER C., Getiren B., Gokalp C., ÇIPLAK Z., KARAKEÇİLİ A., YILDIZ N.
COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, vol.633, 2022 (SCI-Expanded)
- VIII. **Experimental and Modelling Analysis of the Hyperthermia Properties of Iron Oxide Nanocubes**
Ferrero R., Barrera G., Celegato F., Vicentini M., Sozeri H., YILDIZ N., ATİLA DİNÇER C., Coisson M., Manzin A., Tiberto P.
NANOMATERIALS, vol.11, no.9, 2021 (SCI-Expanded)
- IX. **Bio-inspired NIR responsive Au-pDA@pDA sandwich nanostructures with excellent photo-thermal**

performance and stability

Usta D. D., ÇELEBİ N., SOYSAL F., YAR SAĞLAM A. S., YILDIZ N., Salimi K.

COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS, vol.611, 2021 (SCI-Expanded)

- X. **Immobilization of *Candida antarctica* Lipase on Nanomaterials and Investigation of the Enzyme Activity and Enantioselectivity**
Coskun G., Ciplak Z., YILDIZ N., Mehmetoglu U.
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY, vol.193, no.2, pp.430-445, 2021 (SCI-Expanded)
- XI. **Supercritical carbon dioxide extraction of *Usnea longissima* (L.) Ach.: Optimization by Box-Behnken design (BBD)**
ATİLA DİNÇER C., Gokalp C., Getiren B., YILDIZ A., YILDIZ N.
TURKISH JOURNAL OF CHEMISTRY, vol.45, no.4, pp.1248-1256, 2021 (SCI-Expanded)
- XII. **Green preparation of ternary reduced graphene oxide-au@polyaniline nanocomposite for supercapacitor application**
Ciplak Z., YILDIZ A., YILDIZ N.
JOURNAL OF ENERGY STORAGE, vol.32, 2020 (SCI-Expanded)
- XIII. **Simultaneous biosynthesis of reduced graphene oxide-Ag-Cu₂O nanostructures by lichen extract for catalytic reduction of textile dyes**
Ciplak Z., Getiren B., Gokalp C., Atila Dinçer C., Yıldız A., Yıldız N.
KOREAN JOURNAL OF CHEMICAL ENGINEERING, vol.37, no.12, pp.2216-2224, 2020 (SCI-Expanded)
- XIV. **Core/Shell PDA@UiO-66 Metal-Organic Framework Nanoparticles for Efficient Visible-Light Photodegradation of Organic Dyes**
ÇELEBİ N., AYDIN M. Y., SOYSAL F., YILDIZ N., Salimi K.
ACS APPLIED NANO MATERIALS, vol.3, no.11, pp.11543-11554, 2020 (SCI-Expanded)
- XV. **Photoluminescence, photothermal and magnetic properties of nitrogen doped graphene quantum dots based ternary nanocomposite**
Gokalp C., Ciplak Z., Getiren B., YILDIZ N.
COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS, vol.605, 2020 (SCI-Expanded)
- XVI. **NIR-responsive Fe₃O₄@PPy nanocomposite for efficient potential use in photothermal therapy**
Getiren B., Ciplak Z., Gokalp C., YILDIZ N.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.137, no.44, 2020 (SCI-Expanded)
- XVII. **Novel approach in synthesizing ternary GO-Fe₃O₄-PPy nanocomposites for high Photothermal performance**
Getiren B., Ciplak Z., Gokalp C., YILDIZ N.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.137, no.26, 2020 (SCI-Expanded)
- XVIII. **One-step hydrothermal synthesis of nitrogen doped reduced graphene oxide-silver nanocomposites: Catalytic performance**
SOYSAL F., Ciplak Z., Gokalp C., Getiren B., YILDIZ N.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.34, no.5, 2020 (SCI-Expanded)
- XIX. **Green synthesis of reduced graphene oxide-AgAu bimetallic nanocomposite: Catalytic performance**
Ciplak Z., Getiren B., Gokalp C., YILDIZ A., YILDIZ N.
CHEMICAL ENGINEERING COMMUNICATIONS, vol.207, no.4, pp.559-573, 2020 (SCI-Expanded)
- XX. **Synthesis and characterization of reduced graphene oxide-iron oxide-polyaniline ternary nanocomposite and determination of its photothermal properties**
SOYSAL F., Ciplak Z., Getiren B., Gokalp C., YILDIZ N.
MATERIALS RESEARCH BULLETIN, vol.124, 2020 (SCI-Expanded)
- XXI. **Synthesis of GO-Fe₃O₄-PANI nanocomposite with excellent NIR absorption property**
SOYSAL F., Ciplak Z., Getiren B., Gokalp C., YILDIZ N.
COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS, vol.578, 2019 (SCI-Expanded)
- XXII. **Polyaniline-Au nanocomposite as electrode material for supercapacitor applications**
Ciplak Z., YILDIZ N.
SYNTHETIC METALS, vol.256, 2019 (SCI-Expanded)

- XXIII. **The effect of Ag loading on supercapacitor performance of graphene based nanocomposites**
Ciplak Z., YILDIZ N.
FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES, vol.27, no.1, pp.65-76, 2019 (SCI-Expanded)
- XXIV. **Catalytic performance of Ag, Au and Ag-Au nanoparticles synthesized by lichen extract**
Ciplak Z., Gokalp C., Getiren B., YILDIZ A., YILDIZ N.
GREEN PROCESSING AND SYNTHESIS, vol.7, no.5, pp.433-440, 2018 (SCI-Expanded)
- XXV. **The Effect of Acetylation on the Hydrolytic Degradation of PLA/Clay Nanocomposites**
Celikkol O., Sahin E., YILDIZ N., BAYRAKTAR E.
JOURNAL OF POLYMERS AND THE ENVIRONMENT, vol.26, no.10, pp.4131-4140, 2018 (SCI-Expanded)
- XXVI. **A parametric study for the synthesis of graphene-AgAu nanocomposites: performances as electrode material**
Ciplak Z., YILDIZ N.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.29, no.12, pp.10411-10426, 2018 (SCI-Expanded)
- XXVII. **Preparation of polycaprolactone/graphene oxide scaffolds: A green route combining supercritical CO₂ technology and porogen leaching**
Yildirim S., Demirtas T. T., ATİLA DİNÇER C., YILDIZ N., KARAKEÇİLİ A.
JOURNAL OF SUPERCRITICAL FLUIDS, vol.133, pp.156-162, 2018 (SCI-Expanded)
- XXVIII. **Purification of organic impurities from [O-18]H₂O used for production of [F-18]fluoride as target material**
YILDIZ N., Ozkul D. K.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.32, no.2, pp.593-605, 2017 (SCI-Expanded)
- XXIX. **Synthesis and characterization of Fe₃O₄-MPTMS-PLGA nanocomposites for anticancer drug loading and release studies**
ATİLA DİNÇER C., YILDIZ N., KARAKEÇİLİ A., AYDOĞAN N., Calimli A.
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.45, no.7, pp.1408-1414, 2017 (SCI-Expanded)
- XXX. **Investigation of Graphene/Ag Nanocomposites Synthesis Parameters for Two Different Synthesis Methods**
Ciplak Z., YILDIZ N., Calimli A.
FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES, vol.23, no.4, pp.361-370, 2015 (SCI-Expanded)
- XXXI. **A comparative study of Fe₃O₄ nanoparticles modified with different silane compounds**
ATİLA DİNÇER C., YILDIZ N., AYDOĞAN N., Calimli A.
APPLIED SURFACE SCIENCE, vol.318, pp.297-304, 2014 (SCI-Expanded)
- XXXII. **Ultrasonication of chitosan nanoparticle suspension: Influence on particle size**
GÖKÇE Y., Cengiz B., YILDIZ N., Calimli A., AKTAŞ Z.
COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, vol.462, pp.75-81, 2014 (SCI-Expanded)
- XXXIII. **Investigation of lichen based green synthesis of silver nanoparticles with response surface methodology**
YILDIZ N., Ates C., Yilmaz M., Demir D., YILDIZ A., Calimli A.
GREEN PROCESSING AND SYNTHESIS, vol.3, no.4, pp.259-270, 2014 (SCI-Expanded)
- XXXIV. **Ring-opening copolymerization of L-lactide and ε-caprolactone in supercritical carbon dioxide using triblock oligomers of caprolactone and PEG as stabilizers**
YILMAZ M., Eğri S., YILDIZ N., Çalimli A., Pişkin E.
Polymer Journal, vol.43, no.9, pp.785-791, 2011 (SCI-Expanded)
- XXXV. **Adsorption of o-, m- and p-nitrophenols onto organically modified bentonites**
Koyuncu H., YILDIZ N., SALGIN U., Köroğlu F., Çalimli A.
Journal of Hazardous Materials, vol.185, no.2-3, pp.1332-1339, 2011 (SCI-Expanded)
- XXXVI. **Dispersion polymerization of L-lactide in supercritical carbon dioxide**
YILMAZ M., Eğri S., YILDIZ N., Çalimli A., Pişkin E.

- Journal of Polymer Research, vol.18, no.5, pp.975-982, 2011 (SCI-Expanded)
- XXXVII. **Trimethyl chitosan nanoparticles enhances dissolution of the poorly water soluble drug Candesartan-Cilexetil**
GEÇER A., YILDIZ N., Çalimli A., Turan B.
MACROMOLECULAR RESEARCH, no.10, pp.986-991, 2010 (SCI-Expanded)
- XXXVIII. **Preparation of polystyrene/montmorillonite nanocomposites: Optimization by response surface methodology (RSM)**
YALÇINKAYA S., YILDIZ N., Ak M. S., Çalimli A.
Turkish Journal of Chemistry, vol.34, no.4, pp.581-592, 2010 (SCI-Expanded)
- XXXIX. **Extraction of sesame seed oil using supercritical CO₂ and mathematical modeling**
Döker O., SALGIN U., YILDIZ N., Aydoğmuş M., Çalimli A.
Journal of Food Engineering, vol.97, no.3, pp.360-366, 2010 (SCI-Expanded)
- XL. **Particle size design of digitoxin in supercritical fluids**
ATİLA DİNÇER C., YILDIZ N., Calimli A.
JOURNAL OF SUPERCRITICAL FLUIDS, vol.51, no.3, pp.404-411, 2010 (SCI-Expanded)
- XLI. **Comparison of Chitosan Apatite Composites Synthesized by Different Methods**
GEÇER A., YILDIZ N., Kavak D., Çalimli A.
POLYMER COMPOSITES, no.3, pp.288-295, 2009 (SCI-Expanded)
- XLII. **Optimization of benzoin synthesis in supercritical carbon dioxide by response surface methodology (RSM)**
Celebi N., YILDIZ N., DEMİR A. G., Calimli A.
JOURNAL OF SUPERCRITICAL FLUIDS, vol.47, no.2, pp.227-232, 2008 (SCI-Expanded)
- XLIII. **Synthesis and characterization of hydroxyapatite nanoparticles**
Cengiz B., GÖKÇE Y., YILDIZ N., AKTAŞ Z., Calimli A.
COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS, vol.322, no.1-3, pp.29-33, 2008 (SCI-Expanded)
- XLIV. **Synthesis of chitin calcium phosphate composite in different growth media**
GEÇER A., YILDIZ N., Erol M., Calimli A.
POLYMER COMPOSITES, no.1, pp.84-91, 2008 (SCI-Expanded)
- XLV. **Enzymatic synthesis of benzoin in supercritical carbon dioxide**
Celebi N., Yildiz N., Demir A. S., Calimli A.
JOURNAL OF SUPERCRITICAL FLUIDS, vol.41, no.3, pp.386-390, 2007 (SCI-Expanded)
- XLVI. **Micronization of salicylic acid and taxol (paclitaxel) by rapid expansion of supercritical fluids (RESS)**
Yildiz N., Tuna S., Doker O., Calimli A.
JOURNAL OF SUPERCRITICAL FLUIDS, vol.41, no.3, pp.440-451, 2007 (SCI-Expanded)
- XLVII. **Heavy metal removal from aqueous solution by Pseudevernia furfuracea (L.) Zopf**
Ates A., Yildiz A., Yildiz N., Calimli A.
ANNALI DI CHIMICA, vol.97, no.5-6, pp.385-393, 2007 (SCI-Expanded)
- XLVIII. **Equilibrium and kinetic studies for the sorption of 3-methoxybenzaldehyde on activated kaolinites**
Koyuncu H., Kul A. R., Yildiz N., Calimli A., Ceylan H.
JOURNAL OF HAZARDOUS MATERIALS, vol.141, no.1, pp.128-139, 2007 (SCI-Expanded)
- XLIX. **Adsorption of dark compounds with bentonites in apple juice**
Koyuncu H., Kul A. R., Calimli A., Yildiz N., Ceylan H.
LWT-FOOD SCIENCE AND TECHNOLOGY, vol.40, no.3, pp.489-497, 2007 (SCI-Expanded)
- L. **A parametric study of phenolic compounds desorption performance from organobentonite by supercritical fluids**
Salgin U., Yildiz N., Koeroglu F., Calimli A.
JOURNAL OF SUPERCRITICAL FLUIDS, vol.39, no.3, pp.296-303, 2007 (SCI-Expanded)
- LI. **Adsorption of benzoic acid and hydroquinone by organically modified bentonites**
Yildiz N., Gonulsen R., Koyuncu H., Calimli A.

COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, vol.260, no.1-3, pp.87-94, 2005 (SCI-Expanded)

- LII. **Desorption of salicylic acid from modified bentonite by using supercritical fluids in packed bed column**
Salgin U., Yildiz N., Calimli A.
SEPARATION SCIENCE AND TECHNOLOGY, vol.39, no.11, pp.2677-2694, 2004 (SCI-Expanded)
- LIII. **Adsorption of aromatic hydrocarbons on BTEA-bentonites**
Yildiz N., Erol M., Aktas Z., Calimli A.
ADSORPTION SCIENCE & TECHNOLOGY, vol.22, no.2, pp.145-154, 2004 (SCI-Expanded)
- LIV. **Sulphuric acid activation of a calcium bentonite**
Yildiz N., Aktas Z., Calimli A.
PARTICULATE SCIENCE AND TECHNOLOGY, vol.22, no.1, pp.21-33, 2004 (SCI-Expanded)
- LV. **Regeneration of modified bentonite loaded with phenol using supercritical fluids**
Salgin U., Yildiz N., Calimli A.
ADSORPTION SCIENCE & TECHNOLOGY, vol.22, no.1, pp.39-50, 2004 (SCI-Expanded)
- LVI. **Adsorption of organic compounds on to bentonites modified with single or dual quaternary ammonium cations**
Gonulsen R., Yildiz N., Calimli A.
ADSORPTION SCIENCE & TECHNOLOGY, vol.21, no.2, pp.135-148, 2003 (SCI-Expanded)
- LVII. **Alteration of three Turkish bentonites by treatment with Na₂CO₃ and H₂SO₄**
YILDIZ N., Çalimli A.
Turkish Journal of Chemistry, vol.26, no.3, pp.393-401, 2002 (SCI-Expanded)
- LVIII. **Investigation of benzoic acid adsorption on to ODTMA-bentonite by response surface optimization**
Kapucu H., Yildiz N., Gonulsen R., Calimi A.
ADSORPTION SCIENCE & TECHNOLOGY, vol.20, no.8, pp.729-740, 2002 (SCI-Expanded)
- LIX. **Adsorption of some organic compounds by hexadecyltrimethylammonium-bentonite**
Celik A., Yildiz N., Calimli A.
REVIEWS IN CHEMICAL ENGINEERING, vol.16, no.3, pp.301-309, 2000 (SCI-Expanded)
- LX. **Response surface optimization of the phenol adsorption onto HDTMA-bentonite**
Yildiz N., Kapucu H., Calimli A.
REVIEWS IN CHEMICAL ENGINEERING, vol.16, no.1, pp.55-70, 2000 (SCI-Expanded)
- LXI. **The effect of the electrolyte concentration and pH on the rheological properties of the original and the Na₂CO₃-activated Kutahya bentonite**
Yildiz N., Sarikaya Y., Calimli A.
APPLIED CLAY SCIENCE, vol.14, no.5-6, pp.319-327, 1999 (SCI-Expanded)
- LXII. **The characterization of Na₂CO₃ activated Kutahya bentonite**
Yildiz N., Calimli A., Sarikaya Y.
TURKISH JOURNAL OF CHEMISTRY, vol.23, no.3, pp.309-317, 1999 (SCI-Expanded)
- LXIII. **Sorption characteristics of organic compounds on three hexadecyl-trimethylammonium-smectites having different cation exchange capacities**
Çelik A., YILDIZ N., Çalimli A.
Reviews in Chemical Engineering, vol.15, no.4, pp.349-362, 1999 (SCI-Expanded)
- LXIV. **Sorption characteristics of organic compounds on three hexadecyltrimethylammonium-smectites having different cation exchange capacities**
Celik A., Yildiz N., Calimli A.
REVIEWS IN CHEMICAL ENGINEERING, vol.15, no.4, pp.349-362, 1999 (SCI-Expanded)
- LXV. **Modification of rheology and permeability of Turkish ceramic clays using sodium silicate**
Yildiz N., Erol M., Baran B., Sarikaya Y., Calimli A.
APPLIED CLAY SCIENCE, vol.13, no.1, pp.65-77, 1998 (SCI-Expanded)

Articles Published in Other Journals

- I. **Synthesis of NIR Responsive NGQDs-Fe₃O₄@PPy Nanocomposite and Investigation of Its Photothermal Performance**
Ayman C. G., Getiren B., ÇIPLAK Z., YILDIZ N.
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