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Education Information

Doctorate, Yildiz Technical University, Kimya Metalurji, Kimya Mühendisliği, Turkey 2008 - 2013

Postgraduate, Yildiz Technical University, Kimya Metalurji Fakültesi, Kimya Mühendisliği, Turkey 2005 - 2008

Undergraduate, Yildiz Technical University, Kimya Metalurji, Kimya Mühendisliği, Turkey Continues

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Vocational Training, Author Workshop - Efficient Research Publishing Preparation, Elsevier, 2020

Vocational Training, Temel Kemometri Eğitimi, Akdeniz Üniversitesi Eğitim Fakültesi Eğitim Yönetimi ve Planlama, 2012

Vocational Training, School of Molecular Sieves 2012, J. Heyrovsky Institute of Physical Chemistry, 2012

Vocational Training, Calorimetry Summer School, IRCELYON: Institute of Researches on Catalysis and Environment in Lyon, 2010

Dissertations

Doctorate, Farklı Silika Kaynaklarından SBA-15 Üretimi, Karakterizasyonu ve Uygulama Alanının İncelenmesi, Yıldız Teknik Üniversitesi, Kimya Metalurji, Kimya Mühendisliği, 2013

Postgraduate, Kernit Mineralinden Sodyum Borhidrür (NaBH)₄ Üretimi ve Üretim Mekanizmasının İncelenmesi, Yıldız Teknik Üniversitesi, Kimya Mühendisliği, Kimya Mühendisliği, 2008

Research Areas

Chemical Engineering and Technology, Chemical Technologies, Environmental Chemistry and Technology, Inorganic Technologies, Chemical Reaction Engineering, Mass Transfer, Polymers and Their Applications, Composites

Academic Titles / Tasks

Professor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2023 - Continues

Associate Professor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2018 - 2023

Medical Doctor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2013 - 2018

Courses

Kimyasal Teknolojiler, Undergraduate, 2022 - 2023

Bilgisayar Destekli İleri Kimya Mühendisliği Uygulamaları, Undergraduate, 2022 - 2023

Bioseparation, Undergraduate, 2022 - 2023

Kimya Mühendisliği Lab III, Undergraduate, 2020 - 2021, 2019 - 2020

Physical Chemistry , Undergraduate, 2020 - 2021

İleri Organik Teknolojiler, Doctorate, 2020 - 2021, 2019 - 2020

Kimya Mühendisliği Hesaplamaları, Undergraduate, 2020 - 2021, 2019 - 2020

İleri İnorganik Teknolojiler, Doctorate, 2019 - 2020

Advising Theses

Eren T., Sarı Yılmaz M., Poliaminoboran ve Polietilen Glikol Katkılı Antep Fıstığı Kabuğu Esaslı Aktif Karbonun Karbondioksit Yakalama ve Boyar Madde Adsorpsiyon Özelliklerinin İncelenmesi, Postgraduate, M.HİLAL(Student), Continues

Sarı Yılmaz M., Biyobazlı Malzemenin Fotokatalitik Boya Bozunumunda Kullanımının Araştırılması, Postgraduate, S.Dicle(Student), Continues

Tahmasebpour M., Sarı Yılmaz M., Evaluation of the efficiency of activated carbon adsorbent prepared from Oleaster's peel and seed in two forms of powder and granules in cationic dyes removal from water, Postgraduate, M.Chaharkam(Student), Continues

Sarı Yılmaz M., FARKLI POLİMERLER İLE FONKSİYONELLEŞTİRİLEN KATMANLI MALZEMELERİN KARBONDİOKSİT TUTMA VERİMLİLİĞİNİN ARAŞTIRILMASI, Postgraduate, D.Sezgin(Student), 2024

Sarı Yılmaz M., ANTİKANSER İLAÇ SALIMI İÇİN İNDİRGENMİŞ GRAFEN OKSİT/SİLİKA KOMPOZİTİ SENTEZİ VE KARAKTERİZASYONU, Postgraduate, T.Gürer(Student), 2024

Sarı Yılmaz M., Nanogözenekli Karbon Sentezi, Karakterizasyonu ve Adsorpsiyon Uygulamaları , Postgraduate, K.Mammadyarova(Student), 2023

Sarı Yılmaz M., Cam atıklarından silika bazlı malzeme sentezi ve CO2 adsorpsiyonunda kullanımının incelenmesi, Postgraduate, T.TOPKAYA(Student), 2023

Sarı Yılmaz M., Kserojel/ Tabakalı Çift Hidroksit Kompozitlerin Üretimi ve CO2 Yakalama Performanslarının İncelenmesi, Postgraduate, D.Eren(Student), 2023

Sarı Yılmaz M., Preparation of Novel Bio-Based Adsorbent for Fast and Selective Adsorption of Various Dyes, Postgraduate, H.Ahmad(Student), 2022

SARI YILMAZ M., DÜZENLİ YAPIDA MEZOGÖZENEKLİ KARBONLARIN ÜRETİLMESİ VE KULLANIM ALANININ İNCELENMESİ, Postgraduate, S.Ertürk(Student), 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Environmentally friendly green synthesis of reduced graphene oxide using *Laurus nobilis*, characterization and evaluation of In Vitro anticancer activity**
Kılınç Y., Arslan E., Gök B., Sarı Yılmaz M.
MATERIALS RESEARCH EXPRESS, vol.11, no.1, pp.1-28, 2025 (SCI-Expanded)
- II. **Synthesis of nanoporous carbon from *Ulva lactuca* activated by eggshell for CO₂ capture: a novel approach to waste valorization**
Mammadyarova K., Sarı Yılmaz M.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.31, pp.59947-59960, 2024 (SCI-Expanded)
- III. **Exploring the structural characteristics and dye removal capabilities of powder-, granule- and film-shaped magnetic activated carbon derived from *Oleaster* seed**
Chaharkam M., Tahmasebpour M., Sarı Yılmaz M.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.31, pp.35283-35307, 2024 (SCI-Expanded)
- IV. **Preparation of low-cost and non-conventional macroalgae-based biosorbent for fast and effectively selective dye adsorption**
Qulatein H. A., Sarı Yılmaz M.
Materials Chemistry and Physics, vol.303, 2023 (SCI-Expanded)
- V. **A hybrid nanocomposite based on CuFe layered double hydroxide coated graphene oxide for photocatalytic degradation of trimethoprim**
Vasseghian Y., SEZGİN D., Nguyen D. C., Hoang H. Y., SARI YILMAZ M.
Chemosphere, vol.322, 2023 (SCI-Expanded)
- VI. **Preparation and CO₂ capture performances of KIT-6@reduced graphene oxide composites**
Sarı Yılmaz M.
JOURNAL OF POROUS MATERIALS, vol.30, no.5, pp.1555-1564, 2023 (SCI-Expanded)
- VII. **Design of PEI and Amine Modified Metakaolin-Brushite Hybrid Polymeric Composite Materials for CO₂ Capturing**
Mirkovic M., Sarı Yılmaz M., Kljajevic L., Pavlovic V., Ivanovic M., Djukic D., Eren T.
POLYMERS, vol.15, no.7, pp.1669-1683, 2023 (SCI-Expanded)
- VIII. **Graphene oxide/hollow mesoporous silica composite for selective adsorption of methylene blue**
SARI YILMAZ M.
MICROPOROUS AND MESOPOROUS MATERIALS, vol.330, 2022 (SCI-Expanded)
- IX. **The CO₂ adsorption performance of aminosilane-modified mesoporous silicas**
Yılmaz M.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.146, no.5, pp.2241-2251, 2021 (SCI-Expanded)
- X. **Potential low-cost carbon-based adsorbent from gold mine tailings for anionic dye removal**
Erturk S., SARI YILMAZ M., PİŞKİN S.
WATER SCIENCE AND TECHNOLOGY, vol.83, no.6, pp.1300-1314, 2021 (SCI-Expanded)
- XI. **Synthesis and characterization of a ROMP-based polycationic antimicrobial hydrogel**
PALANTOKEN A., Yılmaz M., Unubol N. A., Yenigul E., Piskin S., EREN T.
EUROPEAN POLYMER JOURNAL, vol.112, pp.365-375, 2019 (SCI-Expanded)
- XII. **Low-Cost Synthesis of Organic-Inorganic Hybrid MSU-3 from Gold Mine Waste for CO₂ Adsorption**
Yılmaz M., KARAKAS S. B.
WATER AIR AND SOIL POLLUTION, vol.229, no.10, 2018 (SCI-Expanded)
- XIII. **Thermal analysis applied for the removal of surfactant from mesoporous molecular sieves MCM-41 synthesized from gold mine tailings slurry**
Yılmaz M., Degitz I. A., Piskin S.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.130, no.2, pp.727-734, 2017 (SCI-Expanded)
- XIV. **RECYCLE OF GOLD MINE TAILINGS SLURRY INTO MCM-41 MESOPOROUS SILICA WITH HIGH SPECIFIC SURFACE AREA**
Degitz I. A., Yılmaz M., PİŞKİN S.
CHEMICAL INDUSTRY & CHEMICAL ENGINEERING QUARTERLY, vol.23, no.4, pp.581-588, 2017 (SCI-Expanded)
- XV. **The synthesis of silica-based aerogel from gold mine waste for thermal insulation**

- MERMER N. K., Yilmaz M., Ozdemir O. D., PİŞKİN M. B.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.129, no.3, pp.1807-1812, 2017 (SCI-Expanded)
- XVI. **Synthesis of novel amine modified hollow mesoporous silica@Mg-Al layered double hydroxide composite and its application in CO₂ adsorption**
Yilmaz M.
MICROPOROUS AND MESOPOROUS MATERIALS, vol.245, pp.109-117, 2017 (SCI-Expanded)
- XVII. **Dual antimicrobial effects induced by hydrogel incorporated with UV-curable quaternary ammonium polyethyleneimine and AgNO₃**
PALANTOKEN A., Yilmaz M., Yapaoz M., Tulunay E. Y., EREN T., Piskin S.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.68, pp.494-504, 2016 (SCI-Expanded)
- XVIII. **Conversion of fly ashes from different regions to mesoporous silica: effect of the mineralogical composition**
Yilmaz M., Mermer N. K.
JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.78, pp.239-247, 2016 (SCI-Expanded)
- XIX. **Release of flurbiprofen using of SBA-15 mesoporous silica: Influence of silica sources and functionalization**
Yilmaz M., PALANTOKEN A., Piskin S.
JOURNAL OF NON-CRYSTALLINE SOLIDS, vol.437, pp.80-86, 2016 (SCI-Expanded)
- XX. **The removal of template from SBA-15 samples synthesized from different silica sources**
Yilmaz M., Piskin S.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.121, no.3, pp.1255-1262, 2015 (SCI-Expanded)
- XXI. **The kinetics and thermodynamics of nickel adsorption from galvanic sludge leachate on nanometer titania powders**
Yilmaz M., Ozdemir O. D., Kasap S., Piskin S.
RESEARCH ON CHEMICAL INTERMEDIATES, vol.41, pp.1499-1515, 2015 (SCI-Expanded)
- XXII. **Characterization and thermal dehydration kinetics of admontite mineral hydrothermally synthesized from magnesium oxide and boric acid precursor**
Derun E., Kıpçak A. S., Senberber F. T., Yilmaz M.
RESEARCH ON CHEMICAL INTERMEDIATES, vol.41, pp.853-866, 2015 (SCI-Expanded)
- XXIII. **Synthesis and characterization of MCM-41 with different methods and adsorption of Sr²⁺ on MCM-41**
Yilmaz M., Ozdemir O. D., Piskin S.
RESEARCH ON CHEMICAL INTERMEDIATES, vol.41, no.1, pp.199-211, 2015 (SCI-Expanded)
- XXIV. **Study on the dehydration kinetics of tunellite using non-isothermal methods**
Yilmaz M., Figen A., Piskin S.
Research on Chemical Intermediates, vol.41, pp.1893-1906, 2015 (SCI-Expanded)
- XXV. **Evaluation of novel synthesis of ordered SBA-15 mesoporous silica from gold mine tailings slurry by experimental design**
Yilmaz M., Piskin S.
JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS, vol.46, pp.176-182, 2015 (SCI-Expanded)
- XXVI. **Thermal behavior and dehydroxylation kinetics of naturally occurring sepiolite and bentonite**
Yilmaz M., KALPAKLI Y., Piskin S.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.114, no.3, pp.1191-1199, 2013 (SCI-Expanded)
- XXVII. **Preparation, characterization and thermal dehydration kinetics of titanate nanotubes**
Yilmaz M., Kasap S., Piskin S.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.112, no.3, pp.1325-1333, 2013 (SCI-Expanded)
- XXVIII. **Effect of Heat Treatment on the Structural Characteristics and Dehydroxylation Kinetics of the Tunellite**
Yilmaz M., Piskin S.
JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN, vol.34, no.3, pp.526-532, 2012 (SCI-Expanded)

- XXIX. **Production of sodium metaborate tetrahydrate (NaB(OH)₄·2H₂O) using ultrasonic irradiation**
Yilmaz M., Figen A., Piskin S.
POWDER TECHNOLOGY, pp.166-173, 2012 (SCI-Expanded)
- XXX. **Structural characterization and dehydration kinetics of Kirka inderite mineral: Application of non-isothermal models**
Figen A., Yilmaz M., Piskin S.
Materials Characterization, vol.61, pp.640-647, 2010 (SCI-Expanded)
- XXXI. **Synthesis, crystal structure and dehydration kinetics of NaB(OH)₄·2H₂O**
Kanturk A., Sari M., Piskin S.
Korean Journal of Chemical Engineering, vol.25, pp.1331-1337, 2008 (SCI-Expanded)

Articles Published in Other Journals

- I. **Synthesis of Silica Xeorogel@Mg-Al layered double hydroxide composite for CO₂ capture**
Eren D., Sarı Yılmaz M.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, no.42, pp.1101-1107, 2024 (ESCI)
- II. **CO₂ capture performance of graphene oxide synthesized under ultrasound irradiation**
Sezgin D., Sarı Yılmaz M.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.27, no.2, pp.681-687, 2024 (ESCI)
- III. **Xerogel of fast kinetics and high adsorption capacity for cationic dye removal**
Sezgin D., Sarı Yılmaz M.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.42, no.1, pp.1-9, 2024 (ESCI)
- IV. **Investigating the Performance of Activated Carbon Adsorbent Modified with Iron Oxide Nanoparticles in Removing Crystal Violet From Water**
Chaharkam M., Tahmasebpour M., Sarı Yılmaz M.
Journal of Color Science and Technology, no.17, pp.303-324, 2024 (Peer-Reviewed Journal)
- V. **Kinetics of Thermal Decomposition of Howlite Mineral at Different Heating Rates**
Arslan Şen G., Sarı Yılmaz M., Derun E.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.41, no.1, pp.74-83, 2023 (ESCI)
- VI. **A Study of CO₂ Adsorption Behaviour and Kinetics on KIT-6**
Sarı Yılmaz M.
Avrupa Bilim ve Teknoloji Dergisi, no.19, pp.48-55, 2020 (Peer-Reviewed Journal)
- VII. **Comparative Study on Two Different Methods for the Synthesis of Hydrated Sodium Metaborates**
Sarı Yılmaz M., Pişkin S.
Karaelmas Fen ve Mühendislik Dergisi, vol.7, no.2, pp.563-567, 2017 (Peer-Reviewed Journal)
- VIII. **Amin Grupları ile Fonksiyonelleştirilmiş MCM-41 Mezogözenekli Silika Üzerine CO₂ Adsorpsiyonu**
Sarı Yılmaz M.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.21, no.3, pp.961-966, 2017 (Peer-Reviewed Journal)
- IX. **Preparation of Gas Concrete Materials from Various Industrial Waste**
Karamahmut Mermer N., Sarı Yılmaz M., Pişkin S.
Sigma Journal of Engineering and Natural Sciences, vol.34, no.4, pp.567-575, 2016 (ESCI)
- X. **METAL VE METALOKSİT NANOPARTİKÜLLERİNİ İÇEREN HİDROJELLERİN ANTİMİKROBİYAL ÖZELLİKLERİNİN İNCELENMESİ INVESTIGATION OF ANTIMICROBIAL PROPERTIES OF HYDROGELS CONTAINING METAL AND METALOXIDE NANOPARTICLES**
palandöken a., SARI YILMAZ M., ALTIKATOĞLU YAPAÖZ M., PIŞKİN S.
DEÜ MÜHENDİSLİK BİLİMLERİ DERGISİ, vol.18, no.2, pp.224-238, 2016 (Peer-Reviewed Journal)
- XI. **Synthesis of TiO₂ Nanoparticles by Sol-Gel and Sonochemical Combination**
PIŞKİN S., KASAP S., SARI YILMAZ M.

International Journal of Chemical, Molecular, Nuclear, Materials and Metallurgical Engineering, vol.10, no.1, pp.116-119, 2016 (Peer-Reviewed Journal)

- XII. **The Effect of Acid Concentration on the Synthesis of Hydrophobic Silica Based Aerogels**
Sarı Yılmaz M., Dere Özdemir Ö., Karamahmut Mermer N., Pişkin M. B.
Celal Bayar Üniversitesi Fen Bilimleri Dergisi, vol.11, pp.405-408, 2015 (Peer-Reviewed Journal)
- XIII. **The Synthesis of MSU-X Mesoporous Materials from Sodium Silicate**
Karamahmut Mermer N., Karakaş S. B., Sarı Yılmaz M.
Celal Bayar Üniversitesi Fen Bilimleri Dergisi, vol.11, pp.401-404, 2015 (Peer-Reviewed Journal)
- XIV. **Investigation of Antibacterial properties of Hydrogel Containing Synthesized TiO₂ Nanoparticles**
Palantöken A., Altıkatoğlu Yapaöz M., Sarı Yılmaz M., Pişkin S.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.33, pp.1-7, 2015 (ESCI)
- XV. **The Preparation of Silicon and Aluminum Extracts from Tuncbilek and Orhaneli Fly Ashes by Alkali Fusion**
SARI YILMAZ M., KARAMAHMUT MERMER N.
International Journal of Chemical, Nuclear, Materials and Metallurgical Engineering, vol.9, no.5, pp.512-515, 2015 (Peer-Reviewed Journal)
- XVI. **INVESTIGATION OF ANTIBACTERIAL PROPERTIES OF HYDROGEL CONTAINING SYNTHESIZED TiO₂ NANOPARTICLES**
Palantoken A., Yilmaz M., Yapaoz M. A., PİŞKİN S.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.33, no.1, pp.1-7, 2015 (ESCI)
- XVII. **Extraction of Silicon Dioxide from Tailings Slurry of Gold Mine Treatment Plant by Alkali Fusion Technique**
SARI YILMAZ M., PİŞKİN S.
International Journal of Chemical, Environmental and Biological Sciences, vol.1, no.3, pp.211-213, 2013 (Peer-Reviewed Journal)
- XVIII. **Application of FTIR Spectroscopy Coupled with Attenuated Total Reflectance for the Determination of Trimethyl Borate**
PİŞKİN M. B., SARI YILMAZ M.
International Journal of Biological, Ecological and Environmental Sciences (IJBEES), vol.1, pp.188-191, 2012 (Peer-Reviewed Journal)
- XIX. **Non-isothermal Dehydroxylation Kinetics and Compensation Effect of Tunellite Mineral**
Sarı Yılmaz M., Pişkin S.
International Review of Chemical Engineering (IRECHE), vol.3, no.1, pp.125-127, 2011 (Peer-Reviewed Journal)
- XX. **Investigations of the non-isothermal kinetics of Inyoite**
SARI YILMAZ M., ARSLAN G., TUĞRUL N., PİŞKİN M. B., DERUN E.
2009 Annual Bulletin of the Australian Institute of High Energetic Materials, vol.1, pp.63-67, 2010 (Peer-Reviewed Journal)
- XXI. **Synthesis of Trimethyl Borate (TMB): As A Starting Material In Production of Sodium Borohydride (NaBH₄) Hydrogen Storage Medium**
Sarı Yılmaz M., Pişkin S.
International Review of Chemical Engineering (IRECHE), vol.2, pp.319-321, 2010 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **The Preparation Of Macroalgae-Based Carbon Material**
Mammadyarova K., Sarı Yılmaz M.
The 17th International Scientific Research Congress, Ankara, Turkey, 19 - 20 August 2023, pp.1
- II. **The Synthesis Of Nanoparticles For Cancer Drug Delivery System**

- Gürer T., Sarı Yılmaz M.
The 17th International Scientific Research Congress, Ankara, Turkey, 19 - 20 August 2023, pp.1
- III. **SILICA EXTRACTION FROM GLASS WASTE BY ALKALI FUSION METHOD**
Topkaya Kocaman T., Sarı Yılmaz M.
The 15th International Scientific Research Congress, 17 - 18 December 2022, pp.1-2
- IV. **Poliaminoboran Sentezi ve Bor Nitrür Esaslı Seramik Kaplama Elde Edilmesinde Kullanılması**
Şen M. B., Eren T., Sarı Yılmaz M.
The International Boron Symposium Boron 2022, Ankara, Turkey, 5 - 07 October 2022, pp.199-201
- V. **Synthesis of Silica Based Layered Double Hydroxide**
Eren D., Sarı Yılmaz M.
International Conference On Emerging Sources In Science, İstanbul, Turkey, 26 - 27 May 2022, pp.246-247
- VI. **Adsorption Study for Anionic Dye Removal Using Eggshell**
Qullatein H., Sarı Yılmaz M.
The 12th International Scientific Research Congress - Science and Engineering, 17 - 18 December 2021, pp.1-3
- VII. **Silika Xerojel Sentezi Ve Karakterizasyonu**
Nour W. T. M., Sarı Yılmaz M.
14. Ulusal Kimya Mühendisliği Kongresi, Konya, Turkey, 10 - 12 June 2021, pp.1
- VIII. **Kalsine Yumurta Kabuğunun Karakterizasyonu**
Sezgin D., Prezza A., Sarı Yılmaz M.
14. Ulusal Kimya Mühendisliği Kongresi, Konya, Turkey, 10 - 12 June 2021, pp.1
- IX. **Ultrason Destekli Grafen Oksit Sentezi ve Karakterizasyonu**
Arslan E., Coşkun M. T., Sarı Yılmaz M.
14. Ulusal Kimya Mühendisliği Kongresi, Konya, Turkey, 10 - 12 June 2021, pp.1
- X. **SYNTHESIS AND CHARACTERIZATION OF MESOPOROUS CARBON CMK-3**
ERTURK S., SARI YILMAZ M., PİŞKİN S.
3rd CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2017, 19 - 21 December 2017
- XI. **CO2 Adsorption on MCM-41 Mesoporous Silica**
SARI YILMAZ M.
3rd INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES, 3 - 07 May 2017
- XII. **THE SYNTHESIS OF ORDERED MESOPOROUS KIT-6**
Tolu M., SARI YILMAZ M.
1th INTERNATIONAL CONFERENCE ON ENERGY AND THERMAL ENGINEERING, 25 - 28 April 2017
- XIII. **SYNTHESIS OF FUNCTIONALIZED MCM-41 MESOPOROUS SILICA**
Mermer N. K., Yılmaz M.
International Conference of Central-Bohemia-University (CBUIC) - Innovations in Science and Education, Prague, Czech Republic, 22 - 24 March 2017, vol.5, pp.1164-1168
- XIV. **Synthesis of Mesoporous Silica MCM 41 from Sand**
Mermer Karamahmut N., SARI YILMAZ M.
INTERNATIONAL ACADEMIC RESEARCH CONGRESS, 3 - 05 November 2016
- XV. **The Preparation Of MSU X Mesoporous Silica**
KARAKAŞ S. B., SARI YILMAZ M.
INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING- ICAME'16, 10 - 13 May 2016
- XVI. **The Synthesis Of MCM 41 Mesoporous Silica From Water Glass**
ŞAHİN T. C., SARI YILMAZ M., PİŞKİN S.
INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING- ICAME'16, 10 - 13 May 2016
- XVII. **Investigation Of Properties Of Hydrophobic Aerogel**
KARAMAHMUT MERMER N., SARI YILMAZ M., DERE ÖZDEMİR Ö., PİŞKİN M. B.
INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, 10 - 13 May 2016
- XVIII. **Characterization of Hydrophobic Aerogel for Insulation Application**
Pişkin M. B., Karamahmut N., Sarı Yılmaz M., Dere Özdemir Ö.
TMS 20155 144th Annual Meeting&Exhibition, Florida, United States Of America, 15 - 19 March 2015, pp.12

- XIX. **Effect of pH and Aging Temperature on The Synthesis of Silica Based Aerogel**
KARAMAHMUT MERMER N., SARI YILMAZ M., DERE ÖZDEMİR Ö., PİŞKİN M. B.
Bio Engineering Conference, 27 - 29 November 2014
- XX. **Hydrogel Synthesis Incorporated with UV Curable Quaternary Ammonium Polyethyleneimine**
PALANTÖKEN A., SARI YILMAZ M., ALTIKATOĞLU YAPAÖZ M., EREN T., PİŞKİN S.
Bio Engineering Conference, 27 - 29 November 2014
- XXI. **Kurutma Koşullarının Aerojel Üretimine Etkisi**
ERTÜRK S., KARAMAHMUT MERMER N., SARI YILMAZ M., PİŞKİN M. B.
11.Ulusal Kimya Mühendisliği Kongresi, Turkey, 2 - 05 September 2014
- XXII. **Antimicrobial Activity of Synthesized TiO₂ Nanoparticles**
PİŞKİN S., Palantöken A., SARI YILMAZ M.
International Conference on Emerging Trends in Engineering and Technology (ICETET'2013), 7 - 08 December 2013
- XXIII. **CO₂ Adsorption on Zeolite X**
DERE ÖZDEMİR Ö., SARI YILMAZ M., KARAMAHMUT MERMER N., PİŞKİN S.
International Porous and Powder Materials Symposium and Exhibition, 3 - 09 September 2013
- XXIV. **A Study on the Synthesis of MCM-41**
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- XXV. **Synthesis and Characterization of Ordered Mesoporous Silica SBA-15**
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- XXVI. **The preparation of silicon and aluminum alkali extracts from fused Turkish coal fly ashes**
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- XXVIII. **Comparative Study on Classical and Ultrasound-Assisted Methods for Production of Sodium Metaborate**
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- XXX. **The Removal of Nickel from Leachate of Galvanic Sludge with Titanium Dioxide**
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- XXXV. **Characterization of Waste Magnesium Chip: As a Hydrogen Storage Material**
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- XXXVI. **Production of Sodium Metaborate NaBO₂ Under Ultrasonic Conditions**
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- XLIV. **Eskiřehir-Kırka Bölgesi Magnezyum Borat Cevherinin Yapısal Özelliklerinin İncelenmesi: XRD, DTA-TG, SEM-EDS, FT-IR**
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- XLVII. **Utilization of Colemanite, Ulexite, Kernite and Tincalconite Minerals As Boron Source in Sodium Borohydride Production**
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- XLVIII. **Evaluation of Thermal Behaviors of Soda Ash By Using TG, DTG, DTA, DSC Analysis Techniques**
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XLIX. A New Quantitative Application of FT-IR/ATR: Sodium Borohydride Concentration in Discharged Borate Solution

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L. Colemanite Mineral: As a Starting Material for Sodium Borohydride Production

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LII. An Alternative Method of Sodium Borohydride Production from Ulexite Mineral

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LIII. Evaluation of The Thermal Dehydration Of Sodium Metaborate 4-Hydrate (NaB(OH)4.2H2O) By Using TG/DTG-DSC

SARI YILMAZ M., KANTÜRK FİGEN A., PİŞKİN S.

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SARI ERKAN H., DOĞAN A. D., SARI YILMAZ M., KARA N., Project Supported by Higher Education Institutions, Çeşitli Mikrokirleticilerin Adsorpsiyon Prosesi ile Giderilebilirliğinin Araştırılması, 2023 - Continues

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Sarı Yılmaz M., Pişkin S., Project Supported by Other Official Institutions, Hidrojen Depolama İçin Amonyum Boran (NH₃BH₃) Üretimi ve Proses Optimizasyonu, 2011 - 2013

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Scientific Refereeing

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INTERNATIONAL JOURNAL OF ENERGY RESEARCH, SCI Journal, November 2012

Tasks In Event Organizations

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Metrics

Publication: 110
Citation (WoS): 570
Citation (Scopus): 658
H-Index (WoS): 14
H-Index (Scopus): 13

Congress and Symposium Activities

Karbondioksit Tutma, Değerlendirme Ve Depolama Teknolojileri Yol Haritası Ve Uygulama Planı Çalıştayı, Working Group, Ankara, Turkey, 2022

Scholarships

XXI Congress of the International Union of Crystallography (IUCr 2008) kongresine katılımı bursu, Other International Organizations, 2008 - 2008

Awards

Sarı Yılmaz M., INTERNATIONAL BEST RESEARCHER AWARD, Issn International Research Awards 2022 (Istac-2022), August 2022