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Makaleler (YOKSIS)

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3 A comprehensive study on the synthesis, characterization and mathematical modeling of nanostructured Co-based catalysts using different support materials for AB hydrolysis

ÇELİK KAZICI HİLAL, ŞAHİN ÖMER, İZGİ MEHMET SAİT

Chemical Papers, <http://dx.doi.org/10.1007/s11696-021-01514-0>

4 Aktif karbon destekli ucuz ve kullanışlı katalizörün amonyak bor hidrolizinde incelenmesi

BEŞTAŞ Hatice, ONAT ERHAN, ŞAHİN ÖMER, DEMİRCİ SEVİLAY, BAYTAR ORHAN, İZGİ MEHMET SAİT

Bor Dergisi, <http://dx.doi.org/10.30728/boron.1179156>

5 Al₂O₃ SUPPORTED Co-Cu-B (Co-Cu-B/Al₂O₃) CATALYST FOR HYDROGEN GENERATION BY HYDROLYSIS OF AQUEOUS SODIUM BOROHYDRIDE(NaBH₄) SOLUTIONS

BAYTAR ORHAN, İZGİ MEHMET SAİT, HOROZ SABİT, ŞAHİN ÖMER, Nar Seren

Digest Journal of Nanomaterials and Biostructures, http://www.chalcogen.ro/673_BaytarO.pdf

6 An efficient synergistic Co@ CQDs catalyst for hydrogen production from the hydrolysis of NH₃BH₃

Onat Erhan, ŞAHİN ÖMER, İZGİ MEHMET SAİT, HOROZ SABİT

Journal of Materials Science: Materials in Electronics, <https://link.springer.com/article/10.1007/s10854-021-07094-9>

7 An Investigation of the Effect of CuMoB Nanocatalysts on Efficient Hydrogen Production

DEMİRCİ SEVİLAY, İZGİ MEHMET SAİT, BEŞTAŞ Hatice, ŞAHİN ÖMER

- 7 Russian Journal of Applied Chemistry,<http://dx.doi.org/10.1134/s107042722209018x>
- 8 **As a highly efficient reduced graphene oxide-supported ternary catalysts for the fast hydrogen release from NaBH₄**
ŞAHİN ÖMER,Bozkurt Ali,YAYLA MÜGE,ÇELİK KAZICI HİLAL,İZGİ MEHMET SAİT
Graphene and 2D Materials,<http://link.springer.com/10.1007/s41127-020-00036-y>
- 9 **Catalytic activity of cobalt-boron-fluoride particles with different solvent mediums on sodium borohydride hydrolysis for hydrogen generation**
İZGİ MEHMET SAİT,ŞAHİN ÖMER,BAYTAR ORHAN,SAKA CAFER
Energy Sources, Part A: Recovery, Utilization, and Environmental Effects,<https://www.tandfonline.com/doi/full/10.1080/15567036.2019.1668081>
- 10 **Characterization and Photovoltaic Studies of Capped ZnS, CdS and Cd_{1-x}Zn_xS (x=0.025) Nanoparticles**
HOROZ SABİT,İZGİ MEHMET SAİT,ŞAHİN ÖMER
BEÜ Fen Bilimleri Dergisi,
- 11 **Co B F ve Co B P KATALİZÖRLERİ KULLANILARAK NaBH₄ DEN HİDROJEN ÜRETİMİNE NaOH İN ETKİSİ**
İZGİ MEHMET SAİT,ÖDEMIŞ Ömer,ŞAHİN ÖMER,SAKA CAFER
Selcuk University Journal of Engineering ,Science and Technology,<http://sujest.selcuk.edu.tr/sumbtd/article/view/337>
- 12 **Co-Mn-B Nanoparticles Supported on Epoxy-Based Polymer as Catalyst for Evolution of H₂ from Ammonia Borane Semi-Methanolysis**
ÇELİK KAZICI HİLAL, İZGİ MEHMET SAİT, ŞAHİN ÖMER
Journal of Electronic Materials,<http://dx.doi.org/10.1007/s11664-022-09491-0>
- 13 **Computational study on a cobalt-based complex compound with amine ligand in X-doped (X = Co, Ru, Rh) Ca₁₂Al₁₄O₃₃ functional material as an innovative catalyst by NaBH₄ hydrolysis for determining hydrogen generation process**
ÇELİK FATİH AHMET,KARABULUT EZMAN,İZGİ MEHMET SAİT,YILMAZ MÜCAHİT,ONAT ERHAN
International Journal of Hydrogen Energy,<http://dx.doi.org/10.1016/j.ijhydene.2024.05.207>
- 14 **Cytogenetic and oxidative alterations after exposure of cultured human whole blood cells to lithium metaborate dehydrate**
ÇELİKEZEN FATİH ÇAĞLAR,Togar Başak,ÖZGERİŞ FATMA BETÜL,TÜRKEZ HASAN,İZGİ MEHMET SAİT
Cytotechnology,<http://link.springer.com/10.1007/s10616-014-9833-x>
- 15 **Design and optimization of production parameters for boric acid crystals with the crystallization process in an MSMPR crystallizer using FBRM (R) and PVM (R) technologies**
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JOURNAL OF CRYSTAL GROWTH,
- 16 **Designing of New Thermo Stable Phthalocyanines Synthesis Characterization and Thermal Studies**
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Metal Organic And Nano-Metal Chemistry,
- 17 **Determination of Nucleation Kinetics of AmmoniumBiborate Tetrahydrate**
ŞAHİN ÖMER,ÖZDEMİR MUSTAFA,İZGİ MEHMET SAİT,DEMİR HALİL,CEYHAN AYHAN ABDULLAH

- 17 REV. CHIM,<http://www.revistadechimie.ro/pdf/SAHIN20O.pdf>20122014.pdf
- 18 **DNA DAMAGING AND BIOCHEMICAL EFFECTS OF POTASSIUM TETRABORATE**
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EXCLI Journal,
- 19 **EFFECT OF CeO₂ SUPPORTED La-Ni-Mo-B ON POTASSIUM BOROHYDRIDE HYDROLYSIS**
AĞIRTAŞ MEHMET SALİH,KESKİN MEHMET SALİH,BAYTAR ORHAN,ŞAHİN ÖMER,İZGİ MEHMET SAİT
Electronic Letters on Science Engineering,
- 20 **Effect of Co-B Catalyst Synthesized in Methanol on the Hydrolysis of Sodium Borohydride**
İZGİ MEHMET SAİT,ŞAHİN ÖMER,Onat Erhan,HOROZ SABİT
Journal of the Institute of Science and Technology,<http://www.igdir.edu.tr/Addons/Resmi/announc/5520/5520-article-file20.pdf>
- 21 **Effect of microwave irritated Co B Cr catalyst on the hydrolysis of sodium borohydride**
İZGİ MEHMET SAİT
Energy Sources, Part A: Recovery, Utilization, and Environmental Effects,<https://www.tandfonline.com/doi/full/10.1080/15567036.2015.1093045>
- 22 **Effect of nano-multimetallic catalyst on hydrogen production by hydrolysis of ammonia borohydride**
Onat Erhan, İZGİ MEHMET SAİT
International Journal of Chemistry and Technology,<file:///C:/Users/Personel/Desktop/TR%202021.pdf>
- 23 **Effect of plasma pretreatment of Co_{0.2}Cu_{0.13}B catalyst on hydrogen generation from sodium borohydride methanolysis**
ŞAHİN ÖMER, İZGİ MEHMET SAİT, Tayboğa Seda, ÇELİK KAZICI HİLAL
Reaction Kinetics, Mechanisms and Catalysis,<http://dx.doi.org/10.1007/s11144-021-02004-w>
- 24 **Epoxy-activated acrylic particulate polymer-supported Co–Fe–Ru–B catalyst to produce H₂ from hydrolysis of NH₃BH₃**
İZGİ MEHMET SAİT,Onat Erhan,ŞAHİN ÖMER,SAKA CAFER
International Journal of Hydrogen Energy,<https://linkinghub.elsevier.com/retrieve/pii/S0360319920321856>
- 25 **Green and active hydrogen production from hydrolysis of ammonia borane by using caffeine carbon quantum dot-supported ruthenium catalyst in methanol solvent by hydrothermal treatment**
İZGİ MEHMET SAİT, ONAT ERHAN, ŞAHİN ÖMER, SAKA CAFER
International Journal of Hydrogen Energy,<http://dx.doi.org/10.1016/j.ijhydene.2023.08.119>
- 26 **H₂ production from ammonia borane hydrolysis with catalyst effect of Titriplex® III carbon quantum dots supported by ruthenium under different reactant Conditions: Experimental study and predictions with molecular modelling**
ONAT ERHAN,ÇELİK FATİH AHMET,ŞAHİN ÖMER,KARABULUT EZMAN,İZGİ MEHMET SAİT
Chemical Engineering Journal,<http://dx.doi.org/10.1016/j.cej.2024.154593>
- 27 **High availability and outstanding catalytic activity in sodium borohydride hydrolytic dehydrogenation of CQD/GO@Co catalyst by green synthesis: Experimental and computational perspective**
ONAT ERHAN,ÇELİK FATİH AHMET,KARABULUT EZMAN,İZGİ MEHMET SAİT

- 27 International Journal of Hydrogen Energy,http://dx.doi.org/10.1016/j.ijhydene.2024.08.160
- 28 **High hydrogen production rate from potassium borohydride hydrolysis with an efficient catalyst: CNT@Ru(0)**
KESKİN MEHMET SALİH, AĞIRTAŞ MEHMET SALİH, BAYTAR ORHAN, İZGİ MEHMET SAİT, HOROZ SABİT
DESALINATION AND WATER TREATMENT,http://dx.doi.org/10.5004/dwt.2022.28166
- 29 **Highly active hydrogen production from hydrolysis of potassium borohydride by caffeine carbon quantum dot-supported cobalt catalyst in ethanol solvent by hydrothermal treatment**
İZGİ MEHMET SAİT, ONAT ERHAN, ŞAHİN ÖMER, SAKA CAFER
International Journal of Hydrogen Energy,http://dx.doi.org/10.1016/j.ijhydene.2023.08.176
- 30 **Hydrogen production by using Ru nanoparticle decorated with Fe₃O₄@SiO₂-NH₂ core-shell microspheres**
İZGİ MEHMET SAİT,ECE MEHMET ŞAKİR,ÇELİK KAZICI HİLAL,ŞAHİN ÖMER,Onat Erhan
International Journal of Hydrogen Energy,https://linkinghub.elsevier.com/retrieve/pii/S036031992033038X
- 31 **Hydrogen production from NaBH₄ using Co–Cu–B catalysts prepared in methanol: Effect of plasma treatment**
İZGİ MEHMET SAİT,ŞAHİN ÖMER,SAKA CAFER
International Journal of Hydrogen Energy,http://linkinghub.elsevier.com/retrieve/pii/S0360319915308399
- 32 **Hydrogen Production from Sodium Borohydride for Fuel Cells in Presence of Electrical Field**
ŞAHİN ÖMER,DOLAŞ HACER,KAYA MUSTAFA,İZGİ MEHMET SAİT,DEMİR HALİL
International Journal of Energy Research,https://doi.org/10.1002/er.1563
- 33 **Hydrogen production mechanism and catalytic productivity of Ni-X@g-C₃N₄ (X=precious and non-precious promoter metals) catalysts from KBH₄ hydrolysis under stress loading and atmospheric pressure: Experimental analysis and molecular dynamics approach**
ÇELİK FATİH AHMET,AYGÜN MURAT,KARABULUT EZMAN,ONAT ERHAN,İZGİ MEHMET SAİT,YILMAZ MÜCAHİT,AYGÜN ZEYNEP
Diamond and Related Materials,http://dx.doi.org/10.1016/j.diamond.2024.111582
- 34 **Hydrogen production through the cooperation of a catalyst synthesized in ethanol medium and the effect of the plasma**
İZGİ MEHMET SAİT,Onat Erhan,ÇELİK KAZICI HİLAL,ŞAHİN ÖMER
ENERGY SOURCES, PART A: RECOVERY, UTILIZATION, AND ENVIRONMENTAL EFFECTS,https://doi.org/10.1080/15567036.2019.1677814
- 35 **Influence of the using of methanol instead of water in the preparation of Co B TiO₂ catalyst for hydrogen production by NaBH₄ hydrolysis and plasma treatment effect on the Co B TiO₂ catalyst**
ŞAHİN ÖMER,İZGİ MEHMET SAİT,ONAT Erhan,SAKA CAFER
International Journal of Hydrogen Energy,http://linkinghub.elsevier.com/retrieve/pii/S0360319915309952
- 36 **Investigation of Caking for Boric Acid and Borax Pentahydrate Crystals**
KUTLUAY SİNAN,İZGİ MEHMET SAİT,ŞAHİN ÖMER,CEYHAN AYHAN ABDULLAH
Bitlis Eren Fen Bilimleri Dergisi,https://doi.org/10.17798/bitlisfen.631859

- 37 Investigation of high catalytic activity catalyst for high hydrogen production rate: Co-Ru@MOF**
Onat Erhan, ÇEVİK SABRİ, ŞAHİN ÖMER, HOROZ SABİT, İZGİ MEHMET SAİT
Journal of the Australian Ceramic Society, <http://dx.doi.org/10.1007/s41779-021-00643-9>
- 38 Investigation of Protecting Effect of Boric Acid against Mercury II Chloride Toxicity in Rat Brain Tissue**
AKKOYUN HURREM TURAN,BENGÜ AYDIN ŞÜKRÜ,BAYRAMOĞLU AKKOYUN MAHİRE,ULUCAN AYKUT,İZGİ MEHMET SAİT,ŞAHİN ÖMER,EKİN SUAT,MELEK ŞULE
Türk Doğa ve Fen Dergisi,<http://dx.doi.org/10.46810/tdfd.819741>
- 39 KOBALT BAZLI BİMETALİK NANOKATALİZÖRÜN POTASYUM BORHİDRÜR HİDROLİZ TEPKİMESİ ÜZERİNDEKİ KATALİTİK ETKİSİNİN İNCELENMESİ**
Onat Erhan, Aslan Mehmet, İZGİ MEHMET SAİT
Konya Mühendislik Bilimleri Dergisi,10.36306/konjes.997368
- 40 Lityum Metaborat Dihidratın Difüzyon Katsayısının Belirlenmesi**
İZGİ MEHMET SAİT,ŞAHİN ÖMER,AVCI HANSU TÜLİN
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi,<http://dergipark.gov.tr/bitlisfen/accepted-articles>
- 41 Metal Nanopartikül Temelli Elektrokatalizör Sentezi ve Elektrokimyasal Hidrojen Peroksit Sensörü**
Salman Fırat,ÇELİK KAZICI HİLAL,İZGİ MEHMET SAİT
Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi,<http://dx.doi.org/10.53433/yyufbed.1202386>
- 42 Microwave treatment and fluorine addition on Co-B catalyst to improve the hydrogen production rate**
İZGİ MEHMET SAİT,ŞAHİN ÖMER,Ödemiş Ömer,SAKA CAFER
Materials and Manufacturing Processes,<http://dx.doi.org/10.1080/10426914.2017.1303159>
- 43 Microwave Treatment on Co–B–P Catalyst to Enhance Catalytic Activity for Hydrogen Production by Hydrolysis of NaBH4**
İZGİ MEHMET SAİT,ŞAHİN ÖMER,Ödemiş Ömer,HOROZ SABİT
Advances in Materials Science and Engineering,
- 44 Nickel/nickel oxide nanocomposite particles dispersed on carbon quantum dot from caffeine for hydrogen release by sodium borohydride hydrolysis: Performance and mechanism**
ONAT ERHAN, İZGİ MEHMET SAİT, ŞAHİN ÖMER, SAKA CAFER
Diamond and Related Materials,<http://dx.doi.org/10.1016/j.diamond.2023.110704>
- 45 Novel activated carbon supported trimetallic PdCoAg nanoparticles as efficient catalysts for the hydrolytic dehydrogenation of ammonia borane**
ÇELİK KAZICI HİLAL,yıldız fikret,İZGİ MEHMET SAİT,ULAŞ BERDAN,DEMİR KIVRAK HİLAL
International Journal of Hydrogen Energy,<https://linkinghub.elsevier.com/retrieve/pii/S0360319919308560>
- 46 Optimizing hydrogen production from alkali hydrides using supported metal catalysts**
Karabulut Abdurrahman, İZGİ MEHMET SAİT, DEMİR HALİL, ŞAHİN ÖMER, HOROZ SABİT
Ionics,<http://dx.doi.org/10.1007/s11581-023-04962-8>
- 47 Photocatalytic Applications of Effective Activated Carbon Supported Cds Photocatalysts**
İZGİ MEHMET SAİT,ZÖRER CİHAN,BAYTAR ORHAN,ŞAHİN ÖMER,HOROZ SABİT

- 47** Bitlis Eren Fen Bilimleri Dergisi,
- 48** **Potasyum Borhidrit Hidroliz Reaksiyonu İçin Ni-B-P Katalizörünün Kinetik Özellikleri**
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Bitlis Eren Fen Bilimleri Dergisi,
- 49** **Potent antioxidant and genotoxic effects of ammonium tetraborate in vitro**
ÇELİKEZEN FATİH ÇAĞLAR,TÜRKEZ HASAN,AYDIN ELANUR,İZGİ MEHMET SAİT,Burçin Çelikezen
Natural Science and Discovery,<http://dergipark.gov.tr/doi/10.20863/nsd.06412>
- 50** **PREPARATION AND CHARACTERIZATION OF ACTIVATED CARBON FROM ALMOND SHELL BY MICROWAVE-ASSISTED USING ZnCl₂ ACTIVATOR**
Teğin Şirin Özlem,ŞAHİN ÖMER,BAYTAR ORHAN,İZGİ MEHMET SAİT
International Journal of Chemistry and Technology,<https://dergipark.org.tr/tr/doi/10.32571/ijct.747943>
- 51** **Preparation and Characterization of Activated Carbon from Microwave and Conventional Heated Almond Shells Using Phosphoric Acid Activation**
İZGİ MEHMET SAİT,SAKA CAFER,BAYTAR ORHAN,Saraçoğlu Gamze,ŞAHİN ÖMER
Analytical Letters,
- 52** **Production of granular Boron oxide by calcination of ammonium tetrahydrate**
DEMİR HALİL,ŞAHİN ÖMER,İZGİ MEHMET SAİT,Fıratoğlu Hasan
thermochimica acta,
- 53** **Robust carbon quantum dots supported cobalt oxide composite particles prepared by hydrothermal process for green hydrogen generation via sodium borohydride hydrolysis**
ONAT ERHAN,İZGİ MEHMET SAİT,ŞAHİN ÖMER,SAKA CAFER
Fuel,<http://dx.doi.org/10.1016/j.fuel.2024.132900>
- 54** **Sıçan Böbrek Dokusunda Bakırın Neden Olduğu Oksidatif Stres ve DNA Hasarlarına Karşı Astaksantinin Koruyucu Etkisi**
BENGÜ AYDIN ŞÜKRÜ,AKKOYUN HURREM TURAN,BAYRAMOĞLU AKKOYUN MAHİRE,İZGİ MEHMET SAİT
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi,<https://dergipark.org.tr/tr/doi/10.17798/bitlisfen.537709>
- 55** **Studies on Catalytic Behavior of Co-Cr-B/Al₂O₃ in Hydrogen Generation by Hydrolysis of NaBH₄**
İZGİ MEHMET SAİT,BAYTAR ORHAN,ŞAHİN ÖMER,HOROZ SABİT
Digest Journal of Nanomaterials and Biostructures,<http://www.chalcogen.ro/index.php/journals/digest-journal-of-nanomaterials-and-biostructures/8-djnb/495-volume-14-number-4-october-december-2019>
- 56** **SYNTHESIS OF AN EFFICIENT PHOTOCATALYST (ACTIVATED CARBON-SUPPORTED ZnS) FOR METHYLENE BLUE DEGRADATION**
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Digest Journal of Nanomaterials and Biostructures,
- 57** **Synthesis of Metal-Oxide-Supported Triple Nano Catalysts and Application to H₂ Production and H₂O₂ Oxidation**
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Journal of Electronic Materials,

- 58 Synthesis of pyrene-based Fe(II)-complex and its photovoltaic properties**
ERDOĞAN MUSA, DEMİRCİ SEVİLAY, ADIGÜZEL VEDAT, HOROZ SABİT, İZGİ MEHMET SAİT
The Global NEST
Journal,https://journal.gnest.org/sites/default/files/Submissions/gnest_03754/gnest_03754_published.pdf
- 59 Synthesis of Tetra 3,4-dimethoxyphenethoxy Peripheral Substituted Metallophthalocyanines and Investigation of Some Properties**
AĞIRTAŞ MEHMET SALİH,Güngördü Solğun Derya,ÖZDEMİR SADİN,İZGİ MEHMET SAİT
ChemistrySelect,
- 60 title The Effect of Microwave Irradiation on a Co-B-based Catalyst for Hydrogen Generation by Hydrolysis of NaBH₄/sub Solution/title**
ŞAHİN ÖMER,KAYA MUSTAFA,İZGİ MEHMET SAİT,SAKA CAFER
Energy Sources, Part A: Recovery, Utilization, and Environmental Effects,<http://www.tandfonline.com/doi/full/10.1080/15567036.2011.586977>
- 61 Utilization of In Situ FBRM and PVM Probes to Analyze the Influences of Monopropylene Glycol and Oleic Acid as Novel Additives on the Properties of Boric Acid Crystals**
KUTLUAY SİNAN,CEYHAN AYHAN ABDULLAH,ŞAHİN ÖMER,İZGİ MEHMET SAİT
Industrial Engineering Chemistry Research,<https://pubs.acs.org/doi/abs/10.1021/acs.iecr.0c00551>
- 62 γ-Al₂O₃ supported/Co-Cr-B catalyst for hydrogen evolution via NH₃BH₃ hydrolysis**
İZGİ MEHMET SAİT,ŞAHİN ÖMER,SAKA CAFER
Materials and Manufacturing Processes,<https://www.tandfonline.com/doi/full/10.1080/10426914.2019.1594280>
- Bildiriler (YOKSIS)**
- 1 A highly selective non-enzymatic H₂O₂ sensor supported on Eupergit CM decorated with PdMoAg nanoparticles**
ÇELİK KAZICI HİLAL, Salman Fırat, İZGİ MEHMET SAİT, ŞAHİN ÖMER
5th ICNTC ,
 - 2 Aktif karbon destekli co b katalizörü varlığında sodyum borhidrürden hidrojen üretimi**
KAYA MUSTAFA,İZGİ MEHMET SAİT,Doksal Mehmet,Öndeş Muhammed Yusuf,ŞAHİN ÖMER
UTES'13 – 9. Ulusal Temiz Enerji Sempozyumu ,
 - 3 Al₂O₃-supported nanoparticles for catalyzing the hydrolysis of ammonia borane**
İZGİ MEHMET SAİT,BAYTAR ORHAN,Yayla Muge,ÇELİK KAZICI HİLAL,ŞAHİN ÖMER
IHTEC 2019 ,
 - 4 AMONYAK-BORANIN HİDROLİZ TEPKİMESİNDEN HİDROJENÜRETİMİ İÇİN GELİŞTİRİLEN HETEROJEN KATALİZÖRLER VE PERFORMANS ETKİLERİ**
yıldız fikret,salman Fırat,İZGİ MEHMET SAİT,ŞAHİN ÖMER,ÇELİK KAZICI HİLAL
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 - 5 Amonyum tetraborat tetra hidrat kalsinasyonundan boroksit üretimi**
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- 6 CO CU B KATALİZÖRÜ KULLANILARAK SODYUM BORHİDRÜRDEN HİDROJEN ÜRETİMİ VE PEM YAKIT PILİ UYGULAMALARI**
EKİNCİ ARZU,ŞAHİN ÖMER,İZGİ MEHMET SAİT
10th International Clean Energy Symposium , <http://www.utes.itu.edu.tr/bildiriler/>
- 7 Co-Cu-B KATALİZÖRÜNÜN NABH4 HİDROLİZİNDE FARKLI SICAKLIKLARDAKİ KİNETİKSEL DEĞERLENDİRİLMESİ**
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11. Ulusal Kimya Mühendisliği Kongresi ,
- 8 Cr (IV) adsorpsiyonunun yüzey yanımıyle incelenmesi**
BAYTAR ORHAN,CEYHAN AYHAN ABDULLAH,İZGİ MEHMET SAİT,KANIK SEMA,ÖZDEN AYŞE,AKSUYEK TUBA
13. Ulusal Kimya Mühendisliği Kongresi ,
- 9 Cu-Cr-B KATALİZÖRÜ VARLIĞINDA SODYUM BOR HİDRÜR'ÜNHİDROLİZİNE ETKİSİ**
İZGİ MEHMET SAİT,ŞAHİN ÖMER,BAYTAR ORHAN,Saraçoğlu Gamze,SAKA CAFER
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HOROZ SABİT, İZGİ MEHMET SAİT
SİVAS INTERNATIONAL CONFERENCE ON SCIENTIFIC AND INNOVATION RESEARCH ,
https://www.iksadkongre.com/_files/ugd/614b1f_455744e5d0ce4b5faf84b5eadac4d173.pdf
- 11 EFFECT OF CHROMIUM ON THE PROPERTIES OF CADMIUMSULFIDE QUANTUM DOTS**
HOROZ SABİT,ŞAHİN ÖMER,İZGİ MEHMET SAİT
International Conference on Applications in Chemistry and Chemical Engineering ,
file:///C:/Users/Personel/Desktop/YayC4B1nlarC4B1m/2017-icacche-book-of-abstracts_v2.pdf
- 12 Effect of Co-B-Ag Catalyst Sodium Borohydride Hydrolysis**
İZGİ MEHMET SAİT
International Conference on Applications in Chemistry and Chemical Engineering ,
<https://www.icacche.com/icacche-2018>
- 13 EFFECT OF MICROWAVE IRRİTATED NI-B-P CATALYST ON THE HYDROLYSIS OF POTASSİUM BOROHYDRİDE**
Keskin M Salih,AĞIRTAŞ MEHMET SALİH,ŞAHİN ÖMER,İZGİ MEHMET SAİT
International Conference on Applications in Chemistry and Chemical Engineering ,
<https://www.icacche.com/icacche-2018>
- 14 Eupergit CM supported Co-Mn-B nanoparticles as catalyst for the H2 production from NH3BH3 methanolysis**
ÇELİK KAZICI HİLAL,İZGİ MEHMET SAİT,ŞAHİN ÖMER
IHTEC 2019 ,
- 15 Evolution of Boric Acid Crystal Size Distributionand Shape in a CMSMPR Crystallizer-the Effect ofResidence Time, Stirring Speed, Feed Flow Rate andAmount of Supersaturation**
KUTLUAY SİNAN,CEYHAN AYHAN ABDULLAH,ŞAHİN ÖMER,İZGİ MEHMET SAİT
International Conference on Applications in Chemistry and Chemical Engineering ,
https://www.icacche.com/sites/default/files/2017-icacche-book_of_proceedings.pdf

- 16 GRAFEN OKSİTLE MODİFİYE EDİLMİŞ PERLİTİN KATALİTİK ETKİSİNİN ÖLÇÜLMESİ**
ONAT ERHAN, Tural Taha, İZGİ MEHMET SAİT
EGE 8th INTERNATIONAL CONFERENCE ON APPLIED SCIENCES , file:///C:/Users/Siirt %C3%BCniversitesi/Downloads/Ege%208.%20Uluslararası%C4%B1%20Uygulamal%C4%B1%20Bilimler%20kongre%20tam%20metin%20Kitabb%C4%B1.pdf
- 17 HİDROJEN ÜRETİMİNDE KULLANILMAK ÜZERE PERLİT-GRAFEN OKSİT DESTEK MALZEMELİ KATALİZÖR GELİŞTİRİLMESİ**
ONAT ERHAN, Sakınç Zehra, İZGİ MEHMET SAİT
EGE 8th INTERNATIONAL CONFERENCE ON APPLIED SCIENCES , file:///C:/Users/Siirt %C3%BCniversitesi/Downloads/Ege%208.%20Uluslararası%C4%B1%20Uygulamal%C4%B1%20Bilimler%20kongre%20tam%20metin%20Kitabb%C4%B1.pdf
- 18 Hydrogen Production from Hydrolysis of Sodium Borohydride In The Presence OfNi-B-Ag Catalyst**
İZGİ MEHMET SAİT,ŞAHİN ÖMER
International Conference on Applications in Chemistry and Chemical Engineering ,
<https://www.icacche.com/icacche-2018>
- 19 Hydrogen Production from Sodium Borohydride Methanolizine in the Presence of Co-Cu-B-F Catalyst in Plasma Medium**
İZGİ MEHMET SAİT,Tayboğa Seda,ŞAHİN ÖMER,HOROZ SABİT
INTERNATIONAL CONFERENCE ON ENERGY AND THERMAL ENGINEERING ,
- 20 HYDROLYSIS AND KINETIC MECHANISM OF DIMETHYLAMINEBORANE USING NI NANOCATALYST OBTAINED VIA GREEN SYNTHESIS**
ONAT ERHAN, İZGİ MEHMET SAİT, Faal Sultan
3rd International World Energy Conference ,
https://www.worldenergyconference.org/_files/ugd/614b1f_cfe6fe90b62a49e18a69888833f2a69b.pdf
- 21 INVESTIGATION OF KINETICS OF SODIUM BOROHYDRIDEHYDROLYSIS AT DIFFERENT TEMPERATURES**
BAYTAR ORHAN,HOROZ SABİT,İZGİ MEHMET SAİT
International Conference on Applications in Chemistry and Chemical Engineering ,
https://www.icacche.com/sites/default/files/2017-icacche-book-of-abstracts_v2.pdf
- 22 INVESTIGATION OF SODIUM BOROHYDRIDE HYDROLYSIS OFCo-Ni-B CATALYST DEVELOPED IN MICROWAVE ENVIRONMENT**
İZGİ MEHMET SAİT,ŞAHİN ÖMER,HOROZ SABİT
INTERNATIONAL CONFERENCE ON APPLICATION IN CEHMISTRY ANDCHEMICAL ENGINEERING (ICACCHE) , https://www.icacche.com/sites/default/files/2017-icacche-book-of-abstracts_v3.pdf
- 23 Investigation of Ni-B Catalysts Obtained in DifferentSolutions in Hydrolysis of Sodium Borohydride**
İZGİ MEHMET SAİT,ŞAHİN ÖMER,Onat Erhan
Sixth Bozok Science WorkshopStudies from Nuclei to Nanomaterials with Applications ,
<http://dergipark.gov.tr/uploads/issuefiles/15b0/9ee5/6fb1/59bf6a5bb13c1.pdf>
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- 25 Mehmet Sait İZGİ Ömer Şahin Gül Hanım Kılınç Eda Zeydan Ni B Katalizörünün Sodyum Bor Hidrür Bozunma Tepkimesi Üzerine Etkisi 12 14 Mayıs 2011 Çorum**
Kılıç Gülhanım,Zeydan Eda,ŞAHİN ÖMER,İZGİ MEHMET SAİT
1.Uluslararası Kimya Mühendisliği Öğrenci Kongresi ,
- 26 MONOMETALİK KATALİZÖR YAPISINDA PERLİTİN DESTEK MALZEMESİ OLARAK KULLANIMININ İNCELENMESİ**
Onat Erhan, Tural Taha, İZGİ MEHMET SAİT
EGE 7TH INTERNATIONAL CONFERENCE ON APPLIED SCIENCES ,
<https://www.egekongresi.org/in-english-1>
- 27 NANO BOYUTTA SENZEZLENEN Co B TiO₂ ve Co B Ti F KATALİZÖRÜVARLIĞINDA SODYUM BORHİDRÜR HİDROLİZİNİN İNCELENMESİ**
İZGİ MEHMET SAİT,ŞAHİN ÖMER,ONAT Erhan
Fifth Bozok Science Workshop: Nano Carbon Materials and Their Applications , bsw@bozok.edu.tr
- 28 PERLİT DESTEKLİ KOBALT BAZLI BİMETALİK NANOKATALİZÖR YAPISININ SODYUM BORHİDRÜR HİDROLİZİNE ETKİSİ**
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EGE 7TH INTERNATIONAL CONFERENCE ON APPLIED SCIENCES ,
<https://www.egekongresi.org/in-english-1>
- 29 PLAZMA VE MIKRO DALGA VARLIĞINDA MODİFYE EDİLEN Co-B KATALİZÖRÜNÜN NaBH₄ HİDROLİZİNE ETKİSİ**
İZGİ MEHMET SAİT,ŞAHİN ÖMER,EKİNCİ ARZU
11. Ulusal Kimya Mühendisliği Kongresi ,
- 30 Potasyum Borhidrür Hidrolizinden Hidrojen Üretimi İçin Co-Mn-B Katalizörün Etkinliğinin İncelenmesi**
BAYTAR ORHAN, ŞAHİN ÖMER, DEMİR HALİL, KUTLUAY SİNAN, İZGİ MEHMET SAİT
3rd International Conference on Innovative Academic Studies , <https://as-proceeding.com/index.php/icias>
- 31 Potasyum tetraborat tetrahidratın kurutulma kinetiğinin incelenmesi**
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International Conference on Applications in Chemistry and Chemical Engineering ,
https://www.icacche.com/sites/default/files/2017-icacche-book_of_proceedings.pdf
- 33 Production of Hydrogen from Sodium Borohydride Using Plasma Treated Co BCatalyst**
İZGİ MEHMET SAİT,EKİNCİ ARZU,ŞAHİN ÖMER
2nd International Turkic World Conference on Chemical Sciences and Technologies ,
- 34 SODYUM BOR HİDRÜRDEN HİDROJEN ÜRETİMİ İÇİN KATALİTİK AKTİVİTESİ ARTIRILAN CO Ti B KATALİZÖRÜNÜN ÜRETİMİ VE GELİŞTİRİLMESİ**
İZGİ MEHMET SAİT,ŞAHİN ÖMER,ONAT Erhan
10th International Clean Energy Symposium , <http://www.utes.itu.edu.tr/bildiriler/>
- 35 SODYUM BOR HİDRÜRDEN HİDROJEN ÜRETİMİNDE Fe O KATALİZÖRÜNÜN KULLANILMASI**

- 35** BAYTAR ORHAN,ŞAHİN ÖMER,İZGİ MEHMET SAİT
10th International Clean Energy Symposium , <http://www.utes.itu.edu.tr/bildiriler/>
- 36** **Sodyum Bor Hidrürün Hidrolizine çeşitli elektrotlarla oluşan elektriksel alanın etkisi**
DOLAŞ HACER,ŞAHİN ÖMER,İZGİ MEHMET SAİT,ÖZDEMİR MUSTAFA
Ulusal Temiz Enerji Sempozyumu ,
- 37** **Sodyum Borhirür den Hidrojen Üretimi İçin Doğru Akım ve Alternatif Akımın Etkisi 13 Aralık Bursa 2010**
İZGİ MEHMET SAİT,ŞAHİN ÖMER,DOLAŞ HACER
Ulusal Temiz Enerji Sempozyumu, UTES'2010. ,
- 38** **SOLID-LIQUID EQUILIBRIA (SLE) OF TERNARY SYSTEM NaCl+Zn(H₂PO₂)₂+H₂O AT T=(313.15 AND 333.15 K)**
ADIGÜZEL VEDAT,DEMİRCİ SEVİLAY,ŞAHİN ÖMER,İZGİ MEHMET SAİT
International Conference on Applications in Chemistry and Chemical Engineering ,
file:///C:/Users/Personel/Desktop/YayC4B1nlarC4B1m/2017-icacche-book-of-abstracts_v2.pdf
- 39** **Solubility Behavior of Na, Zn₂/ H₂PO₂//H₂OTernary System at Different Temperatures**
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International Conference on Applications in Chemistry and Chemical Engineering ,
https://www.icacche.com/sites/default/files/2017-icacche-book_of_proceedings.pdf
- 40** **SYNTHESIS OF CARBON QUANTUM DOTS BY SOLVOTHERMAL METHOD AND HYDROGEN PRODUCTION FROM THE HYDROLYSIS OF DIMETHYLAMINE BORANE**
Faal Sultan, İZGİ MEHMET SAİT, ONAT ERHAN
3rd International World Energy Conference , www.worldenergyconference.org/books
- 41** **Synthesis and characterization of nanostructured Co-Fe-B using different support materials for ammonia borane hydrolysis**
ÇELİK KAZICI HİLAL,İZGİ MEHMET SAİT,ŞAHİN ÖMER
IHTEC 2019 ,
- 42** **Synthesis of different support nanocatalyzers andhydrogen peroxide sensor applications**
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Global Summit on Advanced Materials & Sustainable Energy (G-AMSE22) ,
[file:///C:/Users/Bilgisayar/Downloads/G-AMSE2_Proceedings_Final%20\(1\).pdf](file:///C:/Users/Bilgisayar/Downloads/G-AMSE2_Proceedings_Final%20(1).pdf)
- 43** **Synthesis, characterization and application of supported Co-Ni-Cr metal catalysts**
ÇELİK KAZICI HİLAL, Salman Fırat, İZGİ MEHMET SAİT
Global Summit on Advanced Materials & Sustainable Energy (G-AMSE22) ,
[file:///C:/Users/Bilgisayar/Downloads/G-AMSE2_Proceedings_Final%20\(1\).pdf](file:///C:/Users/Bilgisayar/Downloads/G-AMSE2_Proceedings_Final%20(1).pdf)
- 44** **To optimization of production parameters for borax pentahydrate crystals with the crystallization process in a modified continuous cooling MSMPR crystallizer using FBRM® and PVM® probes**
KUTLUAY SİNAN,ŞAHİN ÖMER,CEYHAN AYHAN ABDULLAH,İZGİ MEHMET SAİT
1st International Mediterranean Science and Engineering Congress ,
<file:///C:/Users/Sait20C4B0ZGC4B0/Downloads/Proceedings-Book-IMSEC2016.pdf>

