Prof. Dr. SAİM ÖZKAR

Kişisel Bilgiler

İş Telefonu: +90 312 210 3212
Fax Telefonu: +90 312 210 3200
E-posta: sozkar@metu.edu.tr
Web: https:// http://metu.edu.tr/~sozkar
Posta Adresi: ODTÜ Kimya Bölümü 06800 Ankara

Uluslararası Araştırmacı ID'leri
ScholarID: l6TUb30AAAAJ
ORCID: 0000-0002-6302-1429
Publons / Web Of Science ResearcherID: ABA-1983-2020
ScopusID: 7003408746
Yoksis Araştırmacı ID: 4646

Araştırma Alanları

İnorganik Kimya, Kataliz, Koordinasyon Kimyası, Metal olefin kompleksleri, Metaller, Organometalik Kimya , Temel Bilimler

Akademik Unvanlar / Görevler

Prof. Dr., Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Kimya Bölümü, 1988 - Devam Ediyor
Doç. Dr., Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Kimya Bölümü, 1982 - 1988
Yrd. Doç. Dr., Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Kimya Bölümü, 1979 - 1982

Yönetilen Tezler

ÖZKAR S., Amonyak boran hidrolizinden hidrojen üretimi için etkinliği yüksek, manyetik olarak ayrılabilir ve yeniden kullanılabilir katalizör olarak çıplak veya silika kaplı demir oksit yüzeyine tutunmuş rutenyum(0) nanokümeler, Yüksek Lisans, E.Sarıca(Öğrenci), 2019
ÖZKAR S., Rhodium (0) nanoparticles supported on nano oxide crystalline materials: Preparation, characterization and catalytic use in hydrogen generation from the methanolysis of ammonia borane, Doktora, D.ÖZHAVA(Öğrenci), 2018
ÖZKAR S., Nano oksit kristal malzemeler üzerinde desteklendirilmiş rodyum(0) nanoparçacıkları; hazırlanması, tanımlanması ve amonyak boranın metanolizinden hidrojen üretiminde katalitik kullanımı., Doktora, D.Özhava(Öğrenci), 2018
ÖZKAR S., Ruthenium(0) nanoparticles supported on Hafnia: A highly active and long-lived catalyst in hydrolytic dehydrogenation of Ammonia Borane, Yüksek Lisans, E.BETÜL(Öğrenci), 2016
ÖZKAR S., Ruthenium nanoparticles supported on nanotubes/nanowires: Highly active and long lived nanocatalysts in hydrolytic dehydrogenation of ammonia borane, Doktora, S.AKBAYRAK(Öğrenci), 2016
ÖZKAR S., Nanotüplerle/nanotellerle desteklenmiş rutenyum nanoparçacıkları: amonyak boranın hidrolitik dehidrojenlenmesinde yüksek aktiflikli ve uzun ömürlü nanokatalizörler., Doktora, S.Akbayrak(Öğrenci), 2016
ÖZKAR S., Ruthenium(0) nanoparticles supported on graphene: Preparation, characterization and catalytic use in hydrogen generation from hydrolysis of ammonia borane, Yüksek Lisans, F.ASİYE(Öğrenci), 2015

ÖZKAR S., Poly(N-vinyl-2-pyrrolidone) stabilized nickel(0) nanoparticles as catalyst for hydrogen generation from the methanolysis of ammonia borane, Yüksek Lisans, N.ZÜLAY(Öğrenci), 2015
ÖZKAR S., Preparation and determination of catalytic activities of group 8 and group 9 metal ion-exchanged zeolite Y catalysts in decomposition of nitrous oxide to sole nitrogen and oxygen, Doktora, P.EDİNÇ(Öğrenci), 2014
ÖZKAR S., Grup 8 ve grup 9 metal iyon değişimli zeolit y katalizörlerinin hazırlanması ve nitröz oksitin nitrojen ve oksijene bozunması reaksiyonu için katalik aktivitelerinin belirlenmesi., Doktora, P.Edinç(Öğrenci), 2014
ÖZKAR S., Poly(4-styrenesulfonic acid-co-maleic acid) stabilized nickel(0) nanoparticles: Highly active and cost effective catalyst in hydrogen generation from the hydrolysis of hydrazine borane, Yüksek Lisans, S.ŞENCANLI(Öğrenci), 2013
ÖZKAR S., Hidroksiapatit üzerinde desteklendirilmiş Rodyum(0) Nanoparçacıkları : hazırlanması, karakterizasyonu ve Hidrazin-Boran ve Amonyak-Boran hidrolizinden Hidrogen üretimde katalitik olarak kullanılması., Yüksek Lisans, D.Çelik(Öğrenci), 2012
ÖZKAR S., Rhodium(0) nanoparticles supported on hydroxyapatite: Preparation, characterization and catalytic use in the hydrogen generation from the hydrolysis of hydrazine borane and ammonia borane, Yüksek Lisans, D.ÇELİK(Öğrenci), 2012
ÖZKAR S., Synthesis and characterization of osmium(0) nanoclusters and their catalytic use in aerobic alcohol oxidation, Yüksek Lisans, S.AKBAYRAK(Öğrenci), 2011
ÖZKAR S., One-pot synthesis and characterization of colloidally robust rhodium(0) nanoparticles catalyst: Exceptional activity in the dehydrogenation of ammonia borane for chemical hydrogen storage, Yüksek Lisans, T.AYVALI(Öğrenci), 2011
ÖZKAR S., Ruthenium(III) acetylacetonate as catalyst precursor in the dehydrogenation of dimethylamine-borane, Yüksek Lisans, E.ÜNEL(Öğrenci), 2011
ÖZKAR S., Preparation and characterization of zeolite confined cobalt(0) nanoclusters as catalyst for hydrogen generation from the hydrolysis of sodium borohydride and ammonia borane, Doktora, M.RAKAP(Öğrenci), 2011
ÖZKAR S., Water soluble polymer stabilized iron(0) nanoclusters: A cost effective and magnetically recoverable catalyst in hydrogen generation from the hydrolysis of ammonia borane, Yüksek Lisans, M.DİNÇ(Öğrenci), 2011
ÖZKAR S., In-situ generation of poly(n-vinyl-2-pyrrolidone)-stabilized Palladium(0) and Ruthenium(0) nanoclusters as catalysts for hydrogen generation from the methanolysis of ammonia-borane, Yüksek Lisans, H.ERDOĞAN(Öğrenci), 2010
ÖZKAR S., Homogeneous catalysts for the hydrolysis of sodium borohydride: Synthesis, characterization and catalytic use, Doktora, M.MASJEDİ(Öğrenci), 2010
ÖZKAR S., Synthesis and characterization of water soluble polymer stabilized transition metal(0) nanoclusters as catalyst in hydrogen generation from the hydrolysis of sodium borohydride and ammonia borane, Doktora, Ö.METİN(Öğrenci), 2010
ÖZKAR S., The preparation and characterization of zeolite confined rhodium(0) nanoclusters: A heterogeneous catalyst for the hydrogen generation from the methanolysis of ammonia-borane, Yüksek Lisans, S.ÇALIŞKAN(Öğrenci), 2010
ÖZKAR S., The preparation and characterization of zeolite framework stabilized ruthenium(0) nanoclusters; a superb catalyst for the hydrolysis of sodium borohydride and the hydrogenation of aromatics under mild conditions, Doktora, M.ZAHMAKIRAN(Öğrenci), 2010
ÖZKAR S., Effect of stabilizer on the catalytic activity of cobalt(0) nanoclusters catalyst in the hydrolysis of sodium borohydride, Yüksek Lisans, E.KOÇAK(Öğrenci), 2009
ÖZKAR S., Sodyum Borhidrürün hidrolizi için katalizör olarak kullanılan Kobalt(0) Nanokümelerinin katalitik aktivitesine kararlaştırıcının etkisi., Yüksek Lisans, E.Koçak(Öğrenci), 2009
ÖZKAR S., Testing the ruthenium(III) acetylacetonate and 1,2-bis(diphenylphosphino)ethane system as homogeneous catalyst in the hydrolysis of sodium borohydride, Yüksek Lisans, T.DEMİRALP(Öğrenci), 2008
ÖZKAR S., Synthesis and characterization of pentacarbonylacryloylferrocenetungsten (0), Yüksek Lisans, D.AYŞE(Öğrenci), 2006
ÖZKAR S., Ruthenium(III) acetylacetonate; A homogeneous catalyst in the hydrolysis of sodium borohydride, Yüksek Lisans, E.KEÇELİ(Öğrenci), 2006
ÖZKAR S., Pentakarbonilakriloilferrosenetungsten(0)'in sentezi ve tanımlanması, Yüksek Lisans, D.Ayşe(Öğrenci), 2006
ÖZKAR S., Sodyum borhidrürün hidrolizini katalizleyen hidrojenfosfalt ile kararlı hale getirilmiş nikel(0) nanokümelerinin sentezlenmesi ve tanımlanması, Yüksek Lisans, Ö.Metin(Öğrenci), 2006

ÖZKAR S., Synthesis and characterization of hydrogenphosphate-stabilized nickel(0) nanoclusters as catalyst for the hydrolysis of sodium borohydride, Yüksek Lisans, Ö.METİN(Öğrenci), 2006
ÖZKAR S., Synthesis and characterization of tetracarbonyl[N-N'-bis(ferrocenylmethylene)ethylenediamine] molybdenum(0) complex, Yüksek Lisans, F.SANEM(Öğrenci), 2005
ÖZKAR S., Synthesis and characterization of tetracarbonyl[6-ferrocenyl-2,2'-bipyridine]tungsten (0) complex, Yüksek Lisans, P.EDİNÇ(Öğrenci), 2005
ÖZKAR S., Synthesis and characterization of carbonyl-tungsten(0) complexes of [N,N'-bis(ferrocenylmethylene)ethylenediamine], Yüksek Lisans, C.KAVAKLI(Öğrenci), 2005
ÖZKAR S., Tetracarbonyl((N,N'-bis(ferrosenilmetilin)etilendiamin)krom(0) komleksinin sentezi ve karakterizasyonu, Yüksek Lisans, C.Akyol(Öğrenci), 2005
ÖZKAR S., Tetrakarbonil[n,n'-bis(ferrosenmetilen) etilendiamine] molibden(0) kompleksinin sentezi ve karakterizasyonu, Yüksek Lisans, F.Sanem(Öğrenci), 2005
ÖZKAR S., [n,n'-bis(ferrosenmetilen)etilendiamine] ligandının oluşturduğu karbonil-tungsten(0) komplekslerinin sentezi ve karakterizasyonu, Yüksek Lisans, C.Kavaklı(Öğrenci), 2005
ÖZKAR S., Tetracarbonyl [N,N'-bis(ferrocenylmethylene) ethylenediamine] chromium(0), Cr (CO)4 (BFEDA): Synthesis and characterization, Yüksek Lisans, C.AKYOL(Öğrenci), 2005
ÖZKAR S., Zinc borate production in a batch reactor, Yüksek Lisans, D.GÜRHAN(Öğrenci), 2005
ÖZKAR S., Synthesis and characterization of ruthenium (O) nanoparticles as catalyst in the hydrolysis of sodium borohydride, Yüksek Lisans, M.ZAHMAKIRAN(Öğrenci), 2005
ÖZKAR S., Sodyum borhidrürün hidrolizini katalizleyen rutenyum(0) nanokümelerinin sentezlenmesi ve tanımlanması, Yüksek Lisans, M.Zahmakıran(Öğrenci), 2005
ÖZKAR S., Tetracabonyl(6ferrosenil-2,2'-bipiridin) tungsten (0) komleksinin sentezi ve karakterizasyonu, Yüksek Lisans, P.Edinç(Öğrenci), 2005
ÖZKAR S., KAYRAN İŞÇİ C., Synthesis and characterization of tetracarbonylpyrazinetrimethylphosphitetungsten(0) complexes, Yüksek Lisans, F.ALPER(Öğrenci), 2004
ÖZKAR S., Substitution kinetics of the pentacarbonylbis (trimethylsilyl) ethynetungsten (0) with triphenylbismuthine, Yüksek Lisans, E.BAYRAM(Öğrenci), 2004
ÖZKAR S., Pentakarbonilbis(trimetilsilil)etintungsten(0) kompleksinintrifenilbizmutin ile yerdeğiştirme kinetiği, Yüksek Lisans, E.Bayram(Öğrenci), 2004
ÖZKAR S., Pentacarbonyl (2-ferrocenylpyridine) metal (O) complexes of group 6, Yüksek Lisans, G.YAMAN(Öğrenci), 2002
ÖZKAR S., Synthesis and characterization of pentacarbonyl (vinylferrocene) metal (0) complexes : (Metal:chromium, molybdenum, tungsten), Yüksek Lisans, N.Demir(Öğrenci), 2002
ÖZKAR S., Synthesis and characterization of tungsten carbonyl complexes containing an alkyne and a trialkylphosphine ligands, Yüksek Lisans, O.DEMİRCAN(Öğrenci), 2002
ÖZKAR S., Synthesis and characterization of pentacarbonyl (vinylferrocene) metal (O) complexes (metal=chromium, molybdenum, tungsten), Yüksek Lisans, N.DEMİR(Öğrenci), 2002
ÖZKAR S., Pentacarbonyl (2-ferrocenylpyridine) metal (0) complexes of group 6, Yüksek Lisans, G.Yaman(Öğrenci), 2002
ÖZKAR S., Alkene and alkyne derivatives of group 6 metal carbonyls: Synthesis, structure and reactivity, Doktora, S.SALDAMLI(Öğrenci), 2001
ÖZKAR S., Synthesis and characterization of sodium chromium silicate pigment, Yüksek Lisans, Ö.AŞKIN(Öğrenci), 2001
ÖZKAR S., Kinetic study of the reaction between hydroxyl-terminated polybutadiene and isophorone diisocyanate in toluene by fourier transform infrored spectroscopy, Yüksek Lisans, A.SERENAY(Öğrenci), 2000
ÖZKAR S., Kinetic study of the reaction between Hydroxyl terminated Polybutadiene and Isophorone Diisocyanate in Toluene by Fourier transform infrared spectroscopy, Yüksek Lisans, A.Serenay(Öğrenci), 2000
Özkar S., Kayran İşçi C., Thermal catalytic hydrosilation of cojugated dienes with triethylsilane in the presence of tricarbonylarenemetal complexes (metal: chromium, molybdenum, tungsten), Yüksek Lisans, P.ROUZİ(Öğrenci), 2000
ÖZKAR S., Substitution kinetics of cis-cyclooctene in pentacarbonyl (cis-cyclooctene) chromium (o) by tetracyanoethylene, Yüksek Lisans, F.KOZANOĞLU(Öğrenci), 1999
ÖZKAR S., Thermal physical and curing characteristics of GAP based binders, Yüksek Lisans, H.KAŞIKÇI(Öğrenci), 1999

ÖZKAR S., Kinetics of polyurethane formation reaction between glycidyl acide polymer (GAP) and desmodur N-100, Yüksek Lisans, S.KESKİN(Öğrenci), 1999
ÖZKAR S., Kinetics of polyurethane formation reaction between glycidyl azide polymer (GAP) and desmodur N-100, Yüksek Lisans, S.Keskin(Öğrenci), 1999
ÖZKAR S., Substitution kinetics of CIS-Cyclooctene in pentacarbonyl (CIS-Cyclooctene) Chromium(0) by tetracyanoethylene, Yüksek Lisans, F.Kozanoğlu(Öğrenci), 1999
ÖZKAR S., Substitution kinetics of norbornodiene in tetracorbony (norbornadiene) metal (zero) (metal: chromium, molybdeum, tungsten) by Bis(diphenylphosphino) alkane, Doktora, A.TEKKAYA(Öğrenci), 1997
ÖZKAR S., Substitution kinetics of norbornadiene in tetracarbonyl (norbornadiene) metal (zero) (metal : chromium, molybdenum, tungsten) by bis (diphenylphosphino) alkane, Doktora, A.Tekkaya(Öğrenci), 1997
EROĞLU İ., ÖZKAR S., Crystallization of ammonium perchlorate, Yüksek Lisans, S.Ündal(Öğrenci), 1997
ÖZKAR S., Cryztallization of ammonium perclorate, Yüksek Lisans, S.TANRIKULU(Öğrenci), 1997
ÖZKAR S., Substitution kinetics of cyclooctadiene in tetracarbonyl (cyclooctadiene) molybdenum(zero) by tetraalkyldiphosphinedisulfide, Yüksek Lisans, Ö.Öztürk(Öğrenci), 1997
ÖZKAR S., Substitution kinetics of cyclooctadiene in tetracarbony (cyclooctadiene) molybdenum (zero) by tetraalky diphasphinedisulfide, Yüksek Lisans, Ö.ÖZTÜRK(Öğrenci), 1997
YILMAZER Ü., ÖZKAR S., Thermal and mechanical properties of rocket motor liners, Yüksek Lisans, S.Benli(Öğrenci), 1997
ÖZKAR S., Synthesis an electrochemical study of tricarbonylcylooctatetraene metal (0) complexes of the group 6 elements, Yüksek Lisans, G.Atınç(Öğrenci), 1996
ÖZKAR S., Synthesis and electrochemistry of tricarbonyl cyclooctatetraenemetal (O) complexes of group 6 elements, Yüksek Lisans, G.ATINÇ(Öğrenci), 1996
ÖZKAR S., Synthesis of the new burning rote modifer for lampasite rocket propellants, Yüksek Lisans, A.AKKAYA(Öğrenci), 1996
BAYRAMLI E., ÖZKAR S., An investigation of the liner-propellant interface in HTPB solid rocket fuels, Yüksek Lisans, S.Burak(Öğrenci), 1995
EROĞLU İ., ÖZKAR S., Synthesis of ammonium perchlorate, Yüksek Lisans, A.Kadir(Öğrenci), 1995
ÖZKAR S., Substitution kinetics of cyclooctadiene in tetracarbonyl(cyclooctadiene) metal (zero)metal chromium, molybdenum, tungsten) by bis (diphenylphosphino) methane, Yüksek Lisans, S.Saldamlı(Öğrenci), 1995
ÖZKAR S., Substitution kinetics of tetracarbonyl (n4-1,5-cyclooctadiene) molybdenum (0) by bis (diphenylphosphino) methane, Yüksek Lisans, A.TEKKAYA(Öğrenci), 1993
ÖZKAR S., Synthesis and electrochemical study of tetracarbonyl (nı:ı-diene) metal (o) complexes of the group vıb elements, Yüksek Lisans, A.AYGÜNEY(Öğrenci), 1993
ÖZKAR S., Synthesis and electrochemical study of tetracarbonyl-(n2:2-diene) metal (0) complexes of the group vib elements, Yüksek Lisans, A.Aygüney(Öğrenci), 1993
ÖZKAR S., İŞÇİ H., Synthesis and spectroscopic investigations of some carbonyl-olefin-metal (0) complexes of group 68 elements, Doktora, İ.A(Öğrenci), 1992
ÖZKAR S., Synthesis, stereochemistry and reactivity of diimine-carbonylmental (0) complexes of 6B elements, Doktora, C.Kayran(Öğrenci), 1991
ÖZKAR S., Synthesis, stereochemistry and reactivity of diimine-carbonylmetal (o) complexes of 6B elements, Doktora, C.KAYRAN(Öğrenci), 1991
ÖZKAR S., Synthesis of -bis (dialkylphosphino) alkanebis (pentacarbonylmetal (o)) complexes of the 6B-elements, Doktora, Z.ÖZER(Öğrenci), 1990
ÖZKAR S., Synthesis of u-bis(dialkylphosphino) alkane-bis(petacarbonylmetal(O)) complexes of the 6B-elements, Doktora, Z.Özer(Öğrenci), 1990

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. **Oxide coated nickel powder as support for platinum(0) nanoparticles: Magnetically separable catalysts for hydrogen generation from the hydrolysis of ammonia borane**

Akbayrak S., Çakmak G., ÖZTÜRK T., ÖZKAR S.
Journal of Alloys and Compounds, cilt.1002, 2024 (SCI-Expanded)

II. **Increasing the catalytic efficiency of rhodium(0) nanoparticles in hydrolytic dehydrogenation of ammonia borane**
ÖZKAR S.
International Journal of Hydrogen Energy, cilt.54, ss.327-343, 2024 (SCI-Expanded)

III. **Nanotitania supported ruthenium(0) nanoparticles as active catalyst for releasing hydrogen from dimethylamine borane**
Hammoodi Yousif Al-Areedhee A., Karaboğa S., Morkan İ. A., ÖZKAR S.
International Journal of Hydrogen Energy, cilt.51, ss.1097-1108, 2024 (SCI-Expanded)

IV. **Giant, Submicron Size, Yet Nearly Uniform Ir0~30,000,000 Particles: Synthesis, "Raspberry" Structure, and Resultant Insights into Their Mechanism of Formation**
ÖZKAR S., MacHale L. T., Finke R. G.
Journal of Physical Chemistry C, cilt.127, sa.48, ss.23258-23269, 2023 (SCI-Expanded)

V. **Reducible tungsten(VI) oxide-supported ruthenium(0) nanoparticles: highly active catalyst for hydrolytic dehydrogenation of ammonia borane**
Akbayrak S., Tonbul Y., ÖZKAR S.
Turkish Journal of Chemistry, cilt.47, sa.5, ss.1224-1238, 2023 (SCI-Expanded)

VI. **How to increase the catalytic efficacy of platinum-based nanocatalysts for hydrogen generation from the hydrolysis of ammonia borane**
ÖZKAR S.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, cilt.46, sa.15, ss.22089-22099, 2022 (SCI-Expanded)

VII. **Palladium nanoparticles supported on cobalt(II,III) oxide nanocatalyst: High reusability and outstanding catalytic activity in hydrolytic dehydrogenation of ammonia borane**
Akbayrak S., oezkar S.
JOURNAL OF COLLOID AND INTERFACE SCIENCE, cilt.626, ss.752-758, 2022 (SCI-Expanded)

VIII. **A review of the catalytic conversion of glycerol to lactic acid in the presence of aqueous base**
AKBULUT D., ÖZKAR S.
RSC ADVANCES, cilt.12, sa.29, ss.18864-18883, 2022 (SCI-Expanded)

IX. **A review on platinum(0) nanocatalysts for hydrogen generation from the hydrolysis of ammonia borane**
ÖZKAR S.
DALTON TRANSACTIONS, cilt.50, ss.12349-12364, 2021 (SCI-Expanded)

X. **Recent advances in heterogeneous catalysts for the effective electroreduction of carbon dioxide to carbon monoxide**
Eren E. O., ÖZKAR S.
Journal of Power Sources, cilt.506, 2021 (SCI-Expanded)

XI. **Cobalt ferrite supported platinum nanoparticles: Superb catalytic activity and outstanding reusability in hydrogen generation from the hydrolysis of ammonia borane**
Akbayrak S., ÖZKAR S.
JOURNAL OF COLLOID AND INTERFACE SCIENCE, cilt.596, ss.100-107, 2021 (SCI-Expanded)

XII. **Magnetically Isolable Pt0/Co3O4Nanocatalysts: Outstanding Catalytic Activity and High Reusability in Hydrolytic Dehydrogenation of Ammonia Borane**
Akbayrak S., ÖZKAR S.
ACS Applied Materials and Interfaces, cilt.13, sa.29, ss.34341-34348, 2021 (SCI-Expanded)

XIII. **Magnetically separable transition metal nanoparticles as catalysts in hydrogen generation from the hydrolysis of ammonia borane**
ÖZKAR S.
International Journal of Hydrogen Energy, cilt.46, sa.41, ss.21383-21400, 2021 (SCI-Expanded)

XIV. **Rhodium(0), Ruthenium(0) and Palladium(0) nanoparticles supported on carbon-coated iron: Magnetically isolable and reusable catalysts for hydrolytic dehydrogenation of ammonia borane**

Akbayrak S., ÇAKMAK G., ÖZTÜRK T., ÖZKAR S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.46, sa.25, ss.13548-13560, 2021 (SCI-Expanded)

XV. **Tungsten(VI) oxide supported rhodium nanoparticles: Highly active catalysts in hydrogen generation from ammonia borane**
Akbayrak S., Tonbul Y., ÖZKAR S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.46, sa.27, ss.14259-14269, 2021 (SCI-Expanded)

XVI. **Highly active, robust and reusable micro-/mesoporous TiN/Si3N4 nanocomposite-based catalysts for clean energy: Understanding the key role of TiN nanoclusters and amorphous Si3N4 matrix in the performance of the catalyst system**
Lale A., Mallmann M. D., Tada S., Bruma A., ÖZKAR S., Kumar R., Haneda M., Machado R. A. F., Iwamoto Y., Demirci U. B., et al.
APPLIED CATALYSIS B-ENVIRONMENTAL, cilt.272, 2020 (SCI-Expanded)

XVII. **Ceria Supported Nickel(0) Nanoparticles: A Highly Active and Low Cost Electrocatalyst for Hydrogen Evolution Reaction**
DEMİR ARABACI E., ÖNAL A. M., ÖZKAR S.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, cilt.167, sa.10, 2020 (SCI-Expanded)

XVIII. **Magnetically Separable Rh-0/Co3O4 Nanocatalyst Provides over a Million Turnovers in Hydrogen Release from Ammonia Borane**
Akbayrak S., Tonbul Y., ÖZKAR S.
ACS SUSTAINABLE CHEMISTRY & ENGINEERING, cilt.8, sa.10, ss.4216-4224, 2020 (SCI-Expanded)

XIX. **Transition metal nanoparticle catalysts in releasing hydrogen from the methanolysis of ammonia borane**
ÖZKAR S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.45, sa.14, ss.7881-7891, 2020 (SCI-Expanded)

XX. **Synthesis of zinc borate using water soluble additives: Kinetics and product characterization**
ÇAKAL G. Ö., Baltaci B., BAYRAM G., ÖZKAR S., EROĞLU İ.
JOURNAL OF CRYSTAL GROWTH, cilt.533, 2020 (SCI-Expanded)

XXI. **Particle Size Distributions via Mechanism-Enabled Population Balance Modeling**
Handwerk D. R., Shipman P. D., Whitehead C. B., ÖZKAR S., Finke R. G.
JOURNAL OF PHYSICAL CHEMISTRY C, cilt.124, sa.8, ss.4852-4880, 2020 (SCI-Expanded)

XXII. **Dust Effects on Ir(0)(n) Nanoparticle Formation Nucleation and Growth Kinetics and Particle Size-Distributions: Analysis by and Insights from Mechanism-Enabled Population Balance Modeling**
Handwerk D. R., Shipman P. D., ÖZKAR S., Finke R. G.
LANGMUIR, cilt.36, sa.6, ss.1496-1506, 2020 (SCI-Expanded)

XXIII. **Mechanism-Enabled Population Balance Modeling of Particle Formation en Route to Particle Average Size and Size Distribution Understanding and Control**
Handwerk D. R., Shipman P. D., Whitehead C. B., ÖZKAR S., Finke R. G.
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, cilt.141, sa.40, ss.15827-15839, 2019 (SCI-Expanded)

XXIV. **Ceria supported ruthenium nanoparticles: Remarkable catalyst for H-2 evolution from dimethylamine borane**
KARABOĞA S., ÖZKAR S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.44, sa.48, ss.26296-26307, 2019 (SCI-Expanded)

XXV. **Magnetically separable rhodium nanoparticles as catalysts for releasing hydrogen from the hydrolysis of ammonia borane**
Tonbul Y., Akbayrak S., ÖZKAR S.
JOURNAL OF COLLOID AND INTERFACE SCIENCE, cilt.553, ss.581-587, 2019 (SCI-Expanded)

XXVI. **LaMer's 1950 Model for Particle Formation of Instantaneous Nucleation and Diffusion-Controlled Growth: A Historical Look at the Model's Origins, Assumptions, Equations, and Underlying Sulfur Sol Formation Kinetics Data**
Whitehead C. B., ÖZKAR S., Finke R. G.
CHEMISTRY OF MATERIALS, cilt.31, sa.18, ss.7116-7132, 2019 (SCI-Expanded)

XXVII. **Nanoalumina supported palladium(0) nanoparticle catalyst for releasing H-2 from dimethylamine borane**
KARABOĞA S., ÖZKAR S.
APPLIED SURFACE SCIENCE, cilt.487, ss.433-441, 2019 (SCI-Expanded)

XXVIII. **Nanoparticle Formation Kinetics and Mechanistic Studies Important to Mechanism-Based Particle-Size Control: Evidence for Ligand-Based Slowing of the Autocatalytic Surface Growth Step Plus Postulated Mechanisms**
ÖZKAR S., Finke R. G.
JOURNAL OF PHYSICAL CHEMISTRY C, cilt.123, sa.22, ss.14047-14057, 2019 (SCI-Expanded)

XXIX. **Immobilized Polyoxomolybdate Nanoclusters on Functionalized SBA-15: Green Access to Efficient and Recyclable Nanocatalyst for the Epoxidation of Alkenes**
Bagherzadeh M., Hosseini H., AKBAYRAK S., ÖZKAR S.
CHEMISTRYSELECT, cilt.4, sa.19, ss.5911-5917, 2019 (SCI-Expanded)

XXX. **Group 4 oxides supported Rhodium(0) catalysts in hydrolytic dehydrogenation of ammonia borane**
Tonbul Y., Akbayrak S., ÖZKAR S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.44, sa.27, ss.14164-14174, 2019 (SCI-Expanded)

XXXI. **Ceria supported ruthenium(0) nanoparticles: Highly efficient catalysts in oxygen evolution reaction**
DEMİR ARABACI E., AKBAYRAK S., ÖNAL A. M., ÖZKAR S.
JOURNAL OF COLLOID AND INTERFACE SCIENCE, cilt.534, ss.704-710, 2019 (SCI-Expanded)

XXXII. **Nanoceria supported rhodium(0) nanoparticles as catalyst for hydrogen generation from methanolysis of ammonia borane**
Ozhava D., ÖZKAR S.
APPLIED CATALYSIS B-ENVIRONMENTAL, cilt.237, ss.1012-1020, 2018 (SCI-Expanded)

XXXIII. **Mesoporous MnCo2O4 with efficient peroxidase mimetic activity for detection of H2O2**
Vetr F., Moradi-Shoeili Z., ÖZKAR S.
INORGANIC CHEMISTRY COMMUNICATIONS, cilt.98, ss.184-191, 2018 (SCI-Expanded)

XXXIV. **Titania, zirconia and hafnia supported ruthenium(0) nanoparticles: Highly active hydrogen evolution catalysts**
DEMİR ARABACI E., AKBAYRAK S., ÖNAL A. M., ÖZKAR S.
JOURNAL OF COLLOID AND INTERFACE SCIENCE, cilt.531, ss.570-577, 2018 (SCI-Expanded)

XXXV. **"Weakly Ligated, Labile Ligand" Nanoparticles: The Case of Ir(0)(n)center dot(H+Cl-)(m)**
Mondloch J. E., ÖZKAR S., Finke R. G.
ACS OMEGA, cilt.3, sa.11, ss.14538-14550, 2018 (SCI-Expanded)

XXXVI. **Ammonia borane as hydrogen storage materials**
AKBAYRAK S., ÖZKAR S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.43, sa.40, ss.18592-18606, 2018 (SCI-Expanded)

XXXVII. **Preparation and characterization of a new CdS-NiFe2O4/reduced graphene oxide photocatalyst and its use for degradation of methylene blue under visible light irradiation**
Bagherzadeh M., Kaveh R., ÖZKAR S., AKBAYRAK S.
RESEARCH ON CHEMICAL INTERMEDIATES, cilt.44, sa.10, ss.5953-5979, 2018 (SCI-Expanded)

XXXVIII. **Oxidation of o-phenylenediamine to 2,3-diaminophenazine in the presence of cubic ferrites MFe2O4 (M = Mn, Co, Ni, Zn) and the application in colorimetric detection of H2O2**
Vetr F., Moradi-Shoeili Z., ÖZKAR S.
APPLIED ORGANOMETALLIC CHEMISTRY, cilt.32, sa.9, 2018 (SCI-Expanded)

XXXIX. **Ceria supported manganese(0) nanoparticle catalysts for hydrogen generation from the hydrolysis of sodium borohydride**
DUMAN S., ÖZKAR S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.43, sa.32, ss.15262-15274, 2018 (SCI-Expanded)

XL. **Ruthenium(0) nanoparticles supported on silica coated Fe3O4 as magnetically separable catalysts for hydrolytic dehydrogenation of ammonia borane**
Sarica E., AKBAYRAK S., ÖZKAR S.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.43, sa.32, ss.15124-15134, 2018 (SCI-Expanded)

XLI. **Synthesis, characterization, photophysical and electrochemical properties of a new non - planar perylene diimide with electron donating substituent**
Mostafanejad S. M., Bodapati J. B., ÖZKAR S., İCİL H.
OPTICAL MATERIALS, cilt.82, ss.30-38, 2018 (SCI-Expanded)

XLII. **Nanozirconia supported ruthenium(0) nanoparticles: Highly active and reusable catalyst in hydrolytic dehydrogenation of ammonia borane**
Tonbul Y., AKBAYRAK S., ÖZKAR S.
JOURNAL OF COLLOID AND INTERFACE SCIENCE, cilt.513, ss.287-294, 2018 (SCI-Expanded)

XLIII. **Nanoceria-Supported Ruthenium(0) Nanoparticles: Highly Active and Stable Catalysts for Hydrogen Evolution from Water**
DEMİR ARABACI E., Akbayrak S., ÖNAL A. M., AKBAYRAK S.
ACS APPLIED MATERIALS & INTERFACES, cilt.10, sa.7, ss.6299-6308, 2018 (SCI-Expanded)

XLIV. **Nickel(0) nanoparticles supported on bare or coated cobalt ferrite as highly active, magnetically isolable and reusable catalyst for hydrolytic dehydrogenation of ammonia borane**
Manna J., AKBAYRAK S., ÖZKAR S.
JOURNAL OF COLLOID AND INTERFACE SCIENCE, cilt.508, ss.359-368, 2017 (SCI-Expanded)

XLV. **Silver Nanoparticles Synthesized by Microwave Heating: A Kinetic and Mechanistic Re-Analysis and Re-Interpretation**
ÖZKAR S., Finke R. G.
JOURNAL OF PHYSICAL CHEMISTRY C, cilt.121, sa.49, ss.27643-27654, 2017 (SCI-Expanded)

XLVI. **Nanoalumina-supported rhodium(0) nanoparticles as catalyst in hydrogen generation from the methanolysis of ammonia borane**
Ozhava D., ÖZKAR S.
MOLECULAR CATALYSIS, cilt.439, ss.50-59, 2017 (SCI-Expanded)

XLVII. **Oxazine containing molybdenum(VI)-oxodiperoxo complex immobilized on SBA-15 as highly active and selective catalyst in the oxidation of alkenes to epoxides under solvent-free conditions**
Zare M., Moradi-Shoeili Z., Esmailpour P., AKBAYRAK S., ÖZKAR S.
MICROPOROUS AND MESOPOROUS MATERIALS, cilt.251, ss.173-180, 2017 (SCI-Expanded)

XLVIII. **A Classic Azo-Dye Agglomeration System: Evidence for Slow, Continuous Nucleation, Autocatalytic Agglomerative Growth, Plus the Effects of Dust Removal by Microfiltration on the Kinetics**
ÖZKAR S., Finke R. G.
JOURNAL OF PHYSICAL CHEMISTRY A, cilt.121, sa.38, ss.7071-7078, 2017 (SCI-Expanded)

XLIX. **Nanoceria supported cobalt(0) nanoparticles: a magnetically separable and reusable catalyst in hydrogen generation from the hydrolysis of ammonia borane**
AKBAYRAK S., TANEROĞLU O., ÖZKAR S.
NEW JOURNAL OF CHEMISTRY, cilt.41, sa.14, ss.6546-6552, 2017 (SCI-Expanded)

L. **Nanotitania-Supported Rhodium(0) Nanoparticles: Superb Catalyst in Dehydrogenation of Dimethylamine Borane**
Tanyildizi S., MORKAN İ., ÖZKAR S.
CHEMISTRYSELECT, cilt.2, sa.20, ss.5751-5759, 2017 (SCI-Expanded)

LI. **Oleylamine-Stabilized Copper(0) Nanoparticles: An Efficient and Low-Cost Catalyst for the Dehydrogenation of Dimethylamine Borane**
DUMAN S., ÖZKAR S.
CHEMCATCHEM, cilt.9, sa.13, ss.2588-2598, 2017 (SCI-Expanded)

LII. **Palladium(0) nanoparticles supported on polydopamine coated CoFe2O4 as highly active, magnetically isolable and reusable catalyst for hydrogen generation from the hydrolysis of ammonia borane**
Manna J., Akbayrak S., ÖZKAR S.
APPLIED CATALYSIS B-ENVIRONMENTAL, cilt.208, ss.104-115, 2017 (SCI-Expanded)

LIII. **Dust Effects on Nucleation Kinetics and Nanoparticle Product Size Distributions: Illustrative Case**

Study of a Prototype Ir(0)(n) Transition-Metal Nanoparticle Formation System
ÖZKAR S., Finke R. G.
LANGMUIR, cilt.33, sa.26, ss.6550-6562, 2017 (SCI-Expanded)

LIV. **Nanoceria supported palladium(0) nanoparticles: Superb catalyst in dehydrogenation of formic acid at room temperature**
Akbayrak S., TONBUL Y., ÖZKAR S.
APPLIED CATALYSIS B-ENVIRONMENTAL, cilt.206, ss.384-392, 2017 (SCI-Expanded)

LV. **Ceria supported copper(0) nanoparticles as efficient and cost-effective catalyst for the dehydrogenation of dimethylamine borane**
Tanyildizi S., MORKAN İ., ÖZKAR S.
MOLECULAR CATALYSIS, cilt.434, ss.57-68, 2017 (SCI-Expanded)

LVI. **Enhanced reactivity in a heterogeneous oxido-peroxido molybdenum(VI) complex of salicylidene 2-picoloyl hydrazone in catalytic epoxidation of olefins**
Moradi-Shoeili Z., Zare M., AKBAYRAK S., ÖZKAR S.
TRANSITION METAL CHEMISTRY, cilt.42, sa.4, ss.357-363, 2017 (SCI-Expanded)

LVII. **Nanoparticle Nucleation Is Termolecular in Metal and Involves Hydrogen: Evidence for a Kinetically Effective Nucleus of Three {Ir3H2x center dot P2W15Nb3O62}(6-) in Ir(0)(n) Nanoparticle Formation From [(1,5-COD)Ir-I center dot P2W15Nb3O62](8-) Plus Dihydrogen**
ÖZKAR S., Finke R. G.
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, cilt.139, sa.15, ss.5444-5457, 2017 (SCI-Expanded)

LVIII. **Ruthenium(0) nanoparticles supported on nanohafnia: A highly active and long-lived catalyst in hydrolytic dehydrogenation of ammonia borane**
Kalkan E. B., Akbayrak S., ÖZKAR S.
MOLECULAR CATALYSIS, cilt.430, ss.29-35, 2017 (SCI-Expanded)

LIX. **Ceria supported rhodium nanoparticles: Superb catalytic activity in hydrogen generation from the hydrolysis of ammonia borane**
Akbayrak S., Tonbul Y., ÖZKAR S.
APPLIED CATALYSIS B-ENVIRONMENTAL, cilt.198, ss.162-170, 2016 (SCI-Expanded)

LX. **Inverse relation between the catalytic activity and catalyst concentration for the ruthenium(0) nanoparticles supported on xonotlite nanowire in hydrogen generation from the hydrolysis of sodium borohydride**
Akbayrak S., ÖZKAR S.
JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, cilt.424, ss.254-260, 2016 (SCI-Expanded)

LXI. **Facile Synthesis of Three-Dimensional Pt-TiO2 Nano-networks: A Highly Active Catalyst for the Hydrolytic Dehydrogenation of Ammonia-Borane**
Khalily M. A., Eren H., Akbayrak S., Susapto H. H., BIYIKLI N., ÖZKAR S., GÜLER M. Ö.
ANGEWANDTE CHEMIE-INTERNATIONAL EDITION, cilt.55, sa.40, ss.12257-12261, 2016 (SCI-Expanded)

LXII. **Hydrogenation of ketones using ammonia borane and dimethylamine borane as a hydrogen donor**
KARABOĞA S., MORKAN İ., ÖZKAR S.
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, cilt.252, 2016 (SCI-Expanded)

LXIII. **Palladium(0) nanoparticles supported on ceria: Highly active and reusable catalyst in hydrogen generation from the hydrolysis of ammonia borane**
Tonbul Y., Akbayrak S., ÖZKAR S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.41, sa.26, ss.11154-11162, 2016 (SCI-Expanded)

LXIV. **Palladium(0) Nanoparticle Formation, Stabilization, and Mechanistic Studies: Pd(acac)(2) as a Preferred Precursor, [Bu4N](2)HPO4 Stabilizer, plus the Stoichiometry, Kinetics, and Minimal, Four-Step Mechanism of the Palladium Nanoparticle Formation and Subsequent Agglomeration Reactions**
Ozkar S., Finke R. G.
LANGMUIR, cilt.32, sa.15, ss.3699-3716, 2016 (SCI-Expanded)

LXV. **Rhodium(0) nanoparticles supported on nanosilica: Highly active and long lived catalyst in hydrogen generation from the methanolysis of ammonia borane**

Ozhava D., ÖZKAR S.
APPLIED CATALYSIS B-ENVIRONMENTAL, cilt.181, ss.716-726, 2016 (SCI-Expanded)

LXVI. **Highly active and long lived homogeneous catalyst for the dehydrogenation of dimethylamine borane starting with ruthenium(III) acetylacetonate and oleylamine precatalyst**
DUMAN S., Masjedi M., ÖZKAR S.
JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, cilt.411, ss.9-18, 2016 (SCI-Expanded)

LXVII. **Immobilization of a molybdenum complex on the surface of magnetic nanoparticles for the catalytic epoxidation of olefins**
Zare M., Moradi-Shoeili Z., Bagherzadeh M., Akbayrak S., ÖZKAR S.
NEW JOURNAL OF CHEMISTRY, cilt.40, sa.2, ss.1580-1586, 2016 (SCI-Expanded)

LXVIII. **Ceria-supported ruthenium nanoparticles as highly active and long-lived catalysts in hydrogen generation from the hydrolysis of ammonia borane**
Akbayrak S., Tonbul Y., ÖZKAR S.
DALTON TRANSACTIONS, cilt.45, sa.27, ss.10969-10978, 2016 (SCI-Expanded)

LXIX. **Synthesis, characterization, and catalytic activity of supported molybdenum Schiff base complex as a magnetically recoverable nanocatalyst in epoxidation reaction**
Moradi-Shoeili Z., Zare M., Bagherzadeh M., ÖZKAR S., Akbayrak S.
JOURNAL OF COORDINATION CHEMISTRY, cilt.69, sa.4, ss.668-677, 2016 (SCI-Expanded)

LXX. **Palladium(0) nanoparticles supported on polydopamine coated Fe3O4 as magnetically isolable, highly active and reusable catalysts for hydrolytic dehydrogenation of ammonia borane**
Manna J., Akbayrak S., ÖZKAR S.
RSC ADVANCES, cilt.6, sa.104, ss.102035-102042, 2016 (SCI-Expanded)

LXXI. **Rhodium(0) nanoparticles supported on hydroxyapatite nanospheres and further stabilized by dihydrogen phosphate ion: A highly active catalyst in hydrogen generation from the methanolysis of ammonia borane**
Ozhava D., ÖZKAR S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.40, sa.33, ss.10491-10501, 2015 (SCI-Expanded)

LXXII. **Ruthenium catalyzed dehydrogenation and transfer hydrogenation reactions using dimethylamine borane as a hydrogen storage**
KARABOĞA S., MORKAN İ., ÖZKAR S.
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, cilt.250, 2015 (SCI-Expanded)

LXXIII. **Dihydrogen Phosphate Stabilized Ruthenium(0) Nanoparticles: Efficient Nanocatalyst for The Hydrolysis of Ammonia-Borane at Room Temperature**
DURAP F., Caliskan S., ÖZKAR S., Karakas K., Zahmakıran M.
MATERIALS, cilt.8, sa.7, ss.4226-4238, 2015 (SCI-Expanded)

LXXIV. **Flame retardancy and mechanical properties of pet-based composites containing phosphorus and boron-based additives**
Kilinc M., ÇAKAL G. Ö., BAYRAM G., Eroglu I., ÖZKAR S.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.132, sa.22, 2015 (SCI-Expanded)

LXXV. **Unintuitive Inverse Dependence of the Apparent Turnover Frequency on Precatalyst Concentration: A Quantitative Explanation in the Case of Ziegler-Type Nanoparticle Catalysts Made from [(1,5-COD)Ir(mu-O2C8H15)](2) and AlEt3**
Crooks A. B., Yih K., Li L., Yang J. C., ÖZKAR S., Finke R. G.
ACS CATALYSIS, cilt.5, sa.6, ss.3342-3353, 2015 (SCI-Expanded)

LXXVI. **Agglomerative Sintering of an Atomically Dispersed Ir-1/Zeolite Y Catalyst: Compelling Evidence Against Ostwald Ripening but for Bimolecular and Autocatalytic Agglomeration Catalyst Sintering Steps**
Bayram E., Lu J., Aydin C., Browning N. D., ÖZKAR S., Finney E., Gates B. C., Finke R. G.
ACS CATALYSIS, cilt.5, sa.6, ss.3514-3527, 2015 (SCI-Expanded)

LXXVII. **A New Homogeneous Catalyst for the Dehydrogenation of Dimethylamine Borane Starting with Ruthenium(III) Acetylacetonate**

Barin E. U., Masjedi M., ÖZKAR S.
MATERIALS, cilt.8, sa.6, ss.3155-3167, 2015 (SCI-Expanded)

LXXVIII. **The story of a mechanism-based solution to an irreproducible synthesis resulting in an unexpected closed-system requirement for the LiBEt3H-based reduction: The case of the novel subnanometer cluster, [Ir(1,5-COD)(mu-H)](4), and the resulting improved, independently repeatable, reliable synthesis**
Laxson W. W., ÖZKAR S., Folkman S., Finke R. G.
INORGANICA CHIMICA ACTA, cilt.432, ss.250-257, 2015 (SCI-Expanded)

LXXIX. **A ruthenium(II) bipyridine complex containing a 4,5-diazafluorene moiety: Synthesis, characterization and its applications in transfer hydrogenation of ketones and dye sensitized solar cells**
BAYSAL A., AYDEMİR M., DURAP F., ÖZKAR S., Yildirim L. T., OCAK Y. S.
POLYHEDRON, cilt.89, ss.55-61, 2015 (SCI-Expanded)

LXXX. **Poly(4-styrenesulfonic acid-co-maleic acid) stabilized cobalt(0) nanoparticles: A cost-effective and magnetically recoverable catalyst in hydrogen generation from the hydrolysis of hydrazine borane**
Karahan S., ÖZKAR S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.40, sa.5, ss.2255-2265, 2015 (SCI-Expanded)

LXXXI. **PVP-stabilized nickel(0) nanoparticles as catalyst in hydrogen generation from the methanolysis of hydrazine borane or ammonia borane**
Ozhava D., Kilicaslan N. Z., ÖZKAR S.
APPLIED CATALYSIS B-ENVIRONMENTAL, cilt.162, ss.573-582, 2015 (SCI-Expanded)

LXXXII. **Epoxidation of olefins catalyzed by a molybdenum-Schiff base complex anchored in the pores of SBA-15**
Bagherzadeh M., Zare M., Amini M., Salemnoush T., Akbayrak S., ÖZKAR S.
JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, cilt.395, ss.470-480, 2014 (SCI-Expanded)

LXXXIII. **Ruthenium(0) nanoparticles supported on magnetic silica coated cobalt ferrite: Reusable catalyst in hydrogen generation from the hydrolysis of ammonia-borane**
Akbayrak S., KAYA M., VOLKAN M., ÖZKAR S.
JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, cilt.394, ss.253-261, 2014 (SCI-Expanded)

LXXXIV. **Ruthenium(0) nanoparticles stabilized by metal-organic framework (ZIF-8): Highly efficient catalyst for the dehydrogenation of dimethylamine-borane and transfer hydrogenation of unsaturated hydrocarbons using dimethylamine-borane as hydrogen source**
Yurderi M., Bulut A., Zahmakıran M., Gülcan M., ÖZKAR S.
APPLIED CATALYSIS B-ENVIRONMENTAL, cilt.160, ss.534-541, 2014 (SCI-Expanded)

LXXXV. **Ruthenium(III) ion-exchanged zeolite Y as highly active and reusable catalyst in decomposition of nitrous oxide to sole nitrogen and oxygen**
Curdaneli P. E., ÖZKAR S.
MICROPOROUS AND MESOPOROUS MATERIALS, cilt.196, ss.51-58, 2014 (SCI-Expanded)

LXXXVI. **Ruthenium(0) nanoparticles supported on nanotitania as highly active and reusable catalyst in hydrogen generation from the hydrolysis of ammonia borane**
Akbayrak S., Tanyildizi S., Morkan I., ÖZKAR S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.39, sa.18, ss.9628-9637, 2014 (SCI-Expanded)

LXXXVII. **Iridium(0) nanoparticles dispersed in zeolite framework: A highly active and long-lived green nanocatalyst for-the hydrogenation of neat aromatics at room temperature**
TONBUL Y., Zahmakıran M., ÖZKAR S.
APPLIED CATALYSIS B-ENVIRONMENTAL, cilt.148, ss.466-472, 2014 (SCI-Expanded)

LXXXVIII. **Palladium(0) nanoparticles supported on silica-coated cobalt ferrite: A highly active, magnetically isolable and reusable catalyst for hydrolytic dehydrogenation of ammonia borane**
Akbayrak S., KAYA M., VOLKAN M., ÖZKAR S.
APPLIED CATALYSIS B-ENVIRONMENTAL, cilt.147, ss.387-393, 2014 (SCI-Expanded)

LXXXIX. **Palladium(0) nanoparticles supported on metal organic framework as highly active and reusable**

nanocatalyst in dehydrogenation of dimethylamine-borane
Gülcan M., Zahmakıran M., ÖZKAR S.
APPLIED CATALYSIS B-ENVIRONMENTAL, cilt.147, ss.394-401, 2014 (SCI-Expanded)

XC. **Immobilization of dioxomolybdenum(VI) complex bearing salicylidene 2-picoloyl hydrazone on chloropropyl functionalized SBA-15: A highly active, selective and reusable catalyst in olefin epoxidation**
Bagherzadeh M., Zare M., Salemnoush T., ÖZKAR S., Akbayrak S.
APPLIED CATALYSIS A-GENERAL, cilt.475, ss.55-62, 2014 (SCI-Expanded)

XCI. **Triniobium, Wells-Dawson-Type Polyoxoanion, [(n-C4H9)(4)N](9)P2W15Nb3O62: Improvements in the Synthesis, Its Reliability, the Purity of the Product, and the Detailed Synthetic Procedure**
Laxson W. W., ÖZKAR S., Finke R. G.
INORGANIC CHEMISTRY, cilt.53, sa.5, ss.2666-2676, 2014 (SCI-Expanded)

XCII. **Rhodium(0) nanoparticles supported on nanotitania as highly active catalyst in hydrogen generation from the hydrolysis of ammonia borane**
Akbayrak S., Gencturk S., MORKAN İ., ÖZKAR S.
RSC ADVANCES, cilt.4, sa.26, ss.13742-13748, 2014 (SCI-Expanded)

XCIII. **Electrochemical Behavior of Hydrazine Borane in Methanol Solution**
Ozhava D., ÖNAL A. M., ÖZKAR S.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, cilt.161, sa.12, 2014 (SCI-Expanded)

XCIV. **Hydroxyapatite-nanosphere supported ruthenium(0) nanoparticle catalyst for hydrogen generation from ammonia-borane solution: kinetic studies for nanoparticle formation and hydrogen evolution**
DURAK H., Gülcan M., Zahmakıran M., ÖZKAR S., KAYA M.
RSC ADVANCES, cilt.4, sa.55, ss.28947-28955, 2014 (SCI-Expanded)

XCV. **Ruthenium(0) nanoparticles supported on xonotlite nanowire: a long-lived catalyst for hydrolytic dehydrogenation of ammonia-borane**
Akbayrak S., ÖZKAR S.
DALTON TRANSACTIONS, cilt.43, sa.4, ss.1797-1805, 2014 (SCI-Expanded)

XCVI. **Poly(4-styrenesulfonic acid-co-maleic acid) stabilized nickel(0) nanoparticles: Highly active and cost effective catalyst in hydrogen generation from the hydrolysis of hydrazine borane**
Sencanli S., Karahan S., ÖZKAR S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.38, sa.34, ss.14693-14703, 2013 (SCI-Expanded)

XCVII. **One-pot synthesis of 1,2/3-triols from the allylic hydroperoxides catalyzed by zeolite-confined osmium(0) nanoclusters**
Goksu H., Dalmizrak D., Akbayrak S., GÜLTEKİN M. S., ÖZKAR S., Metin O.
JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, cilt.378, ss.142-147, 2013 (SCI-Expanded)

XCVIII. **Exceptionally thermally stable, hydrocarbon soluble Ziegler-type Ir(0)(n) nanoparticle catalysts made from [Ir(1,5-COD)(mu-O2C8H15)](2) plus AlEt3: Tests of key hypotheses for their unusual stabilization**
Hamdemir I. K., ÖZKAR S., Finke R. G.
JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, cilt.378, ss.333-343, 2013 (SCI-Expanded)

XCIX. **Hydroxyapatite supported ruthenium(0) nanoparticles catalyst in hydrolytic dehydrogenation of ammonia borane: Insight to the nanoparticles formation and hydrogen evolution kinetics**
Akbayrak S., Erdek P., ÖZKAR S.
APPLIED CATALYSIS B-ENVIRONMENTAL, cilt.142, ss.187-195, 2013 (SCI-Expanded)

C. **Transition Metal Nanoparticles in Catalysis for the Hydrogen Generation from the Hydrolysis of Ammonia-Borane**
Zahmakıran M., ÖZKAR S.
TOPICS IN CATALYSIS, cilt.56, ss.1171-1183, 2013 (SCI-Expanded)

CI. **Oleylamine-stabilized ruthenium(0) nanoparticles catalyst in dehydrogenation of dimethylamine-borane**
DUMAN S., ÖZKAR S.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.38, sa.24, ss.10000-10011, 2013 (SCI-Expanded)

CII. **Surfactant modified zinc borate synthesis and its effect on the properties of PET**
Baltaci B., ÇAKAL G. Ö., BAYRAM G., Eroglu I., ÖZKAR S.
POWDER TECHNOLOGY, cilt.244, ss.38-44, 2013 (SCI-Expanded)

CIII. **B-N Polymer Embedded Iron(0) Nanoparticles as Highly Active and Long Lived Catalyst in the Dehydrogenation of Ammonia Borane**
Duman S., Metin O., ÖZKAR S.
JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, cilt.13, sa.7, ss.4954-4961, 2013 (SCI-Expanded)

CIV. **Kinetics of hydrogen generation from hydrolysis of sodium borohydride on Pt/C catalyst in a flow reactor**
Boran A., Erkan S., ÖZKAR S., Eroglu I.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, cilt.37, sa.5, ss.443-448, 2013 (SCI-Expanded)

CV. **Hydrogen generation from the dehydrogenation of ammonia-borane in the presence of ruthenium(III) acetylacetonate forming a homogeneous catalyst**
Duman S., ÖZKAR S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.38, sa.1, ss.180-187, 2013 (SCI-Expanded)

CVI. **Preparation of Metal Nanoparticles Stabilized by the Framework of Porous Materials**
Zahmakiran M., ÖZKAR S.
SUSTAINABLE PREPARATION OF METAL NANOPARTICLES: METHODS AND APPLICATIONS, cilt.19, ss.34-66, 2013 (SCI-Expanded)

CVII. **Ruthenium(0) Nanoparticles Supported on Multiwalled Carbon Nanotube As Highly Active Catalyst for Hydrogen Generation from Ammonia-Borane**
Akbayrak S., Özkar S.
ACS APPLIED MATERIALS & INTERFACES, cilt.4, sa.11, ss.6302-6310, 2012 (SCI-Expanded)

CVIII. **Effect of silver encapsulation on the local structure of titanosilicate ETS-10**
GALIOGLU S., ZAHMAKIRAN M., KALAY Y. E., OZKAR S., Akata B.
MICROPOROUS AND MESOPOROUS MATERIALS, cilt.159, ss.1-8, 2012 (SCI-Expanded)

CIX. **Copper(0) Nanoparticles Supported on Silica-Coated Cobalt Ferrite Magnetic Particles: Cost Effective Catalyst in the Hydrolysis of Ammonia-Borane with an Exceptional Reusability Performance**
KAYA M., Zahmakıran M., ÖZKAR S., VOLKAN M.
ACS APPLIED MATERIALS & INTERFACES, cilt.4, sa.8, ss.3866-3873, 2012 (SCI-Expanded)

CX. **Hydrogen generation from hydrolysis of ammonia-borane using Pd-PVB-TiO2 and Co-Ni-P/Pd-TiO2 under stirred conditions**
Rakap M., Kalu E. E., ÖZKAR S.
JOURNAL OF POWER SOURCES, cilt.210, ss.184-190, 2012 (SCI-Expanded)

CXI. **Palladium nanoparticles supported on chemically derived graphene: An efficient and reusable catalyst for the dehydrogenation of ammonia borane**
Metin O., Kayhan E., ÖZKAR S., Schneider J. J.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.37, sa.10, ss.8161-8169, 2012 (SCI-Expanded)

CXII. **Hydrocarbon-Soluble, Isolable Ziegler-Type Ir(0)(n) Nanoparticle Catalysts Made from [(1,5-COD)Ir(mu-O2C8H15)](2) and 2-5 Equivalents of AlEt3: Their High Catalytic Activity, Long Lifetime, and AlEt3-Dependent, Exceptional, 200 degrees C Thermal Stability**
Hamdemir I. K., ÖZKAR S., Yih K., Mondloch J. E., Finke R. G.
ACS CATALYSIS, cilt.2, sa.4, ss.632-641, 2012 (SCI-Expanded)

CXIII. **Water soluble polymer stabilized iron(0) nanoclusters: A cost-effective and magnetically recoverable catalyst in hydrogen generation from the hydrolysis of sodium borohydride and ammonia borane**
Dinc M., Metin O., ÖZKAR S.
CATALYSIS TODAY, cilt.183, sa.1, ss.10-16, 2012 (SCI-Expanded)

CXIV. **Hydroxyapatite-supported cobalt(0) nanoclusters as efficient and cost-effective catalyst for hydrogen generation from the hydrolysis of both sodium borohydride and ammonia-borane**

Rakap M., ÖZKAR S.
CATALYSIS TODAY, cilt.183, sa.1, ss.17-25, 2012 (SCI-Expanded)

CXV. **Synthesis and Characterization of [Ir(1,5-Cyclooctadiene)(mu-H)](4): A Tetrametallic Ir4H4-Core, Coordinatively Unsaturated Cluster**
Yih K., Hamdemir I. K., Mondloch J. E., Bayram E., ÖZKAR S., Vasic R., Frenkel A. I., Anderson O. P., Finke R. G.
INORGANIC CHEMISTRY, cilt.51, sa.5, ss.3186-3193, 2012 (SCI-Expanded)

CXVI. **Novel homogeneous catalyst comprising ruthenium and trimethylphosphite for the hydrolysis of sodium borohydride**
Masjedi M., Yildirim L. T., ÖZKAR S.
JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, cilt.355, ss.186-191, 2012 (SCI-Expanded)

CXVII. **Hydrogen generation from the hydrolysis of hydrazine-borane catalyzed by rhodium(0) nanoparticles supported on hydroxyapatite**
Celik D., Karahan S., Zahmakiran M., ÖZKAR S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.37, sa.6, ss.5143-5151, 2012 (SCI-Expanded)

CXVIII. **A facile one-step synthesis of polymer supported rhodium nanoparticles in organic medium and their catalytic performance in the dehydrogenation of ammonia-borane**
Karahan S., Zahmakıran M., ÖZKAR S.
CHEMICAL COMMUNICATIONS, cilt.48, sa.8, ss.1180-1182, 2012 (SCI-Expanded)

CXIX. **Catalytic methanolysis of hydrazine borane: a new and efficient hydrogen generation system under mild conditions**
Karahan S., Zahmakıran M., ÖZKAR S.
DALTON TRANSACTIONS, cilt.41, sa.16, ss.4912-4918, 2012 (SCI-Expanded)

CXX. **Size-controllable APTS stabilized ruthenium(0) nanoparticles catalyst for the dehydrogenation of dimethylamine-borane at room temperature**
Zahmakıran M., Philippot K., Ozkar S., Chaudret B.
DALTON TRANSACTIONS, cilt.41, sa.2, ss.590-598, 2012 (SCI-Expanded)

CXXI. **Hydrogen liberation from the hydrolytic dehydrogenation of dimethylamine-borane at room temperature by using a novel ruthenium nanocatalyst**
Caliskan S., Zahmakıran M., DURAP F., ÖZKAR S.
DALTON TRANSACTIONS, cilt.41, sa.16, ss.4976-4984, 2012 (SCI-Expanded)

CXXII. **Dihydroxylation of olefins catalyzed by zeolite-confined osmium(0) nanoclusters: an efficient and reusable method for the preparation of 1,2-cis-diols**
Metin O., Alp N. A., Akbayrak S., Bicer A., GÜLTEKİN M. S., ÖZKAR S., Bozkaya U.
GREEN CHEMISTRY, cilt.14, sa.5, ss.1488-1492, 2012 (SCI-Expanded)

CXXIII. **Aminophosphine-palladium(II) complexes: Synthsesis, structure and applications in Suzuki and Heck cross-coupling reactions**
AYDEMİR M., BAYSAL A., ŞAHİN E., Gumgum B., ÖZKAR S.
INORGANICA CHIMICA ACTA, cilt.378, sa.1, ss.10-18, 2011 (SCI-Expanded)

CXXIV. **Is It Homogeneous or Heterogeneous Catalysis Derived from [RhCp*Cl-2](2)? In Operando XAFS, Kinetic, and Crucial Kinetic Poisoning Evidence for Subnanometer Rh-4 Cluster-Based Benzene Hydrogenation Catalysis**
Bayram E., Linehan J. C., Fulton J. L., Roberts J. A. S., Szymczak N. K., Smurthwaite T. D., ÖZKAR S., Balasubramanian M., Finke R. G.
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, cilt.133, sa.46, ss.18889-18902, 2011 (SCI-Expanded)

CXXV. **Silica embedded cobalt(0) nanoclusters: Efficient, stable and cost effective catalyst for hydrogen generation from the hydrolysis of ammonia borane**
Metin O., Dinc M., Eren Z. S., ÖZKAR S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.36, sa.18, ss.11528-11535, 2011 (SCI-Expanded)

CXXVI. **Effect of stabilizer type on the activity and stability of water-dispersible cobalt(0) nanocluster catalysts in hydrogen generation from the hydrolysis of sodium borohydride**
Metin O., Kocak E., ÖZKAR S.

REACTION KINETICS MECHANISMS AND CATALYSIS, cilt.103, sa.2, ss.325-340, 2011 (SCI-Expanded)

CXXVII. **Hydrogen generation from the methanolysis of ammonia borane catalyzed by in situ generated, polymer stabilized ruthenium(0) nanoclusters**
Erdogan H., Metin O., ÖZKAR S.
CATALYSIS TODAY, cilt.170, sa.1, ss.93-98, 2011 (SCI-Expanded)

CXXVIII. **Zeolite framework stabilized nickel(0) nanoparticles: Active and long-lived catalyst for hydrogen generation from the hydrolysis of ammonia-borane and sodium borohydride**
Zahmakiran M., Ayvali T., Akbayrak S., Caliskan S., Celik D., ÖZKAR S.
CATALYSIS TODAY, cilt.170, sa.1, ss.76-84, 2011 (SCI-Expanded)

CXXIX. **Organometallic ruthenium, rhodium and iridium complexes containing a P-bound thiophene-2-(N-diphenylphosphino)methylamine ligand: Synthesis, molecular structure and catalytic activity**
AYDEMİR M., BAYSAL A., MERİÇ N., KAYAN C., Gumgum B., ÖZKAR S., ŞAHİN E.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.696, sa.13, ss.2584-2588, 2011 (SCI-Expanded)

CXXX. **Cobalt-nickel-phosphorus supported on Pd-activated TiO2 (Co-Ni-P/Pd-TiO2) as cost-effective and reusable catalyst for hydrogen generation from hydrolysis of alkaline sodium borohydride solution**
Rakap M., Kalu E. E., ÖZKAR S.
JOURNAL OF ALLOYS AND COMPOUNDS, cilt.509, sa.25, ss.7016-7021, 2011 (SCI-Expanded)

CXXXI. **Oleylamine-Stabilized Palladium(0) Nanoclusters As Highly Active Heterogeneous Catalyst for the Dehydrogenation of Ammonia Borane**
Metin O., Duman S., Dinc M., ÖZKAR S.
JOURNAL OF PHYSICAL CHEMISTRY C, cilt.115, sa.21, ss.10736-10743, 2011 (SCI-Expanded)

CXXXII. **Hydroxyapatite-supported palladium(0) nanoclusters as effective and reusable catalyst for hydrogen generation from the hydrolysis of ammonia-borane**
Rakap M., ÖZKAR S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.36, sa.12, ss.7019-7027, 2011 (SCI-Expanded)

CXXXIII. **Synthesis and structural characterization of a novel seven-coordinate cobalt(II) complex: 2,9-Bis(ethanolamine)-1,10-phenanthrolinechlorocobalt(II) chloride**
BAYSAL A., AYDEMİR M., DURAP F., ÖZKAR S., Yildirim L. T.
INORGANICA CHIMICA ACTA, cilt.371, sa.1, ss.107-110, 2011 (SCI-Expanded)

CXXXIV. **Industrial Ziegler-Type Hydrogenation Catalysts Made from Co(neodecanoate)(2) or Ni(2-ethylhexanoate)(2) and AlEt3: Evidence for Nanoclusters and Sub-Nanocluster or Larger Ziegler-Nanocluster Based Catalysis**
Alley W. M., Hamdemir I. K., Wang Q., Frenkel A. I., Li L., Yang J. C., Menard L. D., Nuzzo R. G., ÖZKAR S., Yih K., et al.
LANGMUIR, cilt.27, sa.10, ss.6279-6294, 2011 (SCI-Expanded)

CXXXV. **Catalytic hydrolysis of hydrazine borane for chemical hydrogen storage: Highly efficient and fast hydrogen generation system at room temperature**
Karahan S., Zahmakiran M., ÖZKAR S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.36, sa.8, ss.4958-4966, 2011 (SCI-Expanded)

CXXXVI. **Ruthenium complexes of aminophosphine ligands and their use as pre-catalysts in the transfer hydrogenation of aromatic ketones: X-ray crystal structure of thiophene-2-(N-diphenylthiophosphino)methylamine**
AYDEMİR M., BAYSAL A., ÖZKAR S., Yildirim L. T.
POLYHEDRON, cilt.30, sa.5, ss.796-804, 2011 (SCI-Expanded)

CXXXVII. **Palladium(0) nanoclusters stabilized by poly(4-styrenesulfonic acid-co-maleic acid) as an effective catalyst for Suzuki-Miyaura cross-coupling reactions in water**
Metin O., DURAP F., AYDEMİR M., ÖZKAR S.
JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, cilt.337, ss.39-44, 2011 (SCI-Expanded)

CXXXVIII. **trans- and cis-Ru(II) aminophosphine complexes: Syntheses, X-ray structures and catalytic activity in transfer hydrogenation of acetophenone derivatives**
AYDEMİR M., BAYSAL A., ÖZKAR S., Yildirim L. T.
INORGANICA CHIMICA ACTA, cilt.367, sa.1, ss.166-172, 2011 (SCI-Expanded)

CXXXIX. **One-pot synthesis of colloidally robust rhodium(0) nanoparticles and their catalytic activity in the dehydrogenation of ammonia-borane for chemical hydrogen storage**
Ayvali T., Zahmakiran M., ÖZKAR S.
DALTON TRANSACTIONS, cilt.40, sa.14, ss.3584-3591, 2011 (SCI-Expanded)

CXL. **Metal nanoparticles in liquid phase catalysis; from recent advances to future goals**
Zahmakiran M., ÖZKAR S.
NANOSCALE, cilt.3, sa.9, ss.3462-3481, 2011 (SCI-Expanded)

CXLI. **Polymer-immobilized palladium supported on TiO2 (Pd-PVB-TiO2) as highly active and reusable catalyst for hydrogen generation from the hydrolysis of unstirred ammonia-borane solution**
Rakap M., Kalu E. E., ÖZKAR S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.36, sa.2, ss.1448-1455, 2011 (SCI-Expanded)

CXLII. **Hydrogen generation from the hydrolysis of ammonia borane using cobalt-nickel-phosphorus (Co-Ni-P) catalyst supported on Pd-activated TiO2 by electroless deposition**
Rakap M., Kalu E. E., ÖZKAR S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.36, sa.1, ss.254-261, 2011 (SCI-Expanded)

CXLIII. **Water soluble nickel(0) and cobalt(0) nanoclusters stabilized by poly(4-styrenesulfonic acid-co-maleic acid): Highly active, durable and cost effective catalysts in hydrogen generation from the hydrolysis of ammonia borane**
Metin O., ÖZKAR S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.36, sa.2, ss.1424-1432, 2011 (SCI-Expanded)

CXLIV. **Scale-up synthesis of zinc borate from the reaction of zinc oxide and boric acid in aqueous medium**
Kilinc M., Cakal G. O., Yesil S., BAYRAM G., EROĞLU İ., ÖZKAR S.
JOURNAL OF CRYSTAL GROWTH, cilt.312, sa.22, ss.3361-3366, 2010 (SCI-Expanded)

CXLV. **Monodisperse nickel nanoparticles supported on SiO2 as an effective catalyst for the hydrolysis of ammonia-borane**
Metin O., ÖZKAR S., Sun S.
NANO RESEARCH, cilt.3, sa.9, ss.676-684, 2010 (SCI-Expanded)

CXLVI. **Iridium Ziegler-Type Hydrogenation Catalysts Made from [(1,5-COD)Ir(mu-O2C8H15)](2) and AlEt(3): Spectroscopic and Kinetic Evidence for the Ir-n Species Present and for Nanoparticles as the Fastest Catalyst**
Alley W. M., Hamdemir I. K., Wang Q., Frenkel A. I., Li L., Yang J. C., Menard L. D., Nuzzo R. G., ÖZKAR S., Johnson K. A., et al.
INORGANIC CHEMISTRY, cilt.49, sa.17, ss.8131-8147, 2010 (SCI-Expanded)

CXLVII. **Osmium(0) nanoclusters stabilized by zeolite framework; highly active catalyst in the aerobic oxidation of alcohols under mild conditions**
Zahmakiran M., Akbayrak S., Kodaira T., ÖZKAR S.
DALTON TRANSACTIONS, cilt.39, sa.32, ss.7521-7527, 2010 (SCI-Expanded)

CXLVIII. **In Situ Formed "Weakly Ligated/Labile Ligand" Iridium(0) Nanoparticles and Aggregates as Catalysts for the Complete Hydrogenation of Neat Benzene at Room Temperature and Mild Pressures**
Bayram E., Zahmakiran M., ÖZKAR S., Finke R. G.
LANGMUIR, cilt.26, sa.14, ss.12455-12464, 2010 (SCI-Expanded)

CXLIX. **Room temperature aerobic Suzuki cross-coupling reactions in DMF/water mixture using zeolite confined palladium(0) nanoclusters as efficient and recyclable catalyst**
DURAP F., Rakap M., AYDEMİR M., ÖZKAR S.
APPLIED CATALYSIS A-GENERAL, cilt.382, sa.2, ss.339-344, 2010 (SCI-Expanded)

CL. **Novel neutral phosphinite bridged dinuclear ruthenium(II) arene complexes and their catalytic use in transfer hydrogenation of aromatic ketones: X-ray structure of a new Schiff base, N3,N3 '-di-2-hydroxybenzylidene-[2,2 ']bipyridinyl-3,3 '-diamine**
AYDEMİR M., DURAP F., BAYSAL A., MERİÇ N., Buldag A., Guemguem B., ÖZKAR S., Yildirim L. T.
JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, cilt.326, ss.75-81, 2010 (SCI-Expanded)

CLI. **Ruthenium(0) nanoclusters stabilized by zeolite framework as superb catalyst for the hydrogenation of neat benzene under mild conditions: Additional studies including cation site occupancy, catalytic activity, lifetime, reusability and poisoning**
Zahmakiran M., Kodaira T., ÖZKAR S.
APPLIED CATALYSIS B-ENVIRONMENTAL, cilt.96, ss.533-540, 2010 (SCI-Expanded)

CLII. **The preparation and characterization of gold(0) nanoclusters stabilized by zeolite framework: Highly active, selective and reusable catalyst in aerobic oxidation of benzyl alcohol**
Zahmakiran M., ÖZKAR S.
MATERIALS CHEMISTRY AND PHYSICS, cilt.121, ss.359-363, 2010 (SCI-Expanded)

CLIII. **Ruthenium(0) Nanoclusters Stabilized by a Nanozeolite Framework: Isolable, Reusable, and Green Catalyst for the Hydrogenation of Neat Aromatics under Mild Conditions with the Unprecedented Catalytic Activity and Lifetime**
Zahmakiran M., Tonbul Y., ÖZKAR S.
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, cilt.132, sa.18, ss.6541-6549, 2010 (SCI-Expanded)

CLIV. **Hydrogen generation from the hydrolysis of ammonia-borane using intrazeolite cobalt(0) nanoclusters catalyst**
Rakap M., ÖZKAR S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.35, sa.8, ss.3341-3346, 2010 (SCI-Expanded)

CLV. **Monodisperse Nickel Nanoparticles; and Their Catalysis in Hydrolytic Dehydrogenation of Ammonia Borane**
Metin O., Mazumder V., ÖZKAR S., Sun S.
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, cilt.132, sa.5, ss.1468-1471, 2010 (SCI-Expanded)

CLVI. **Zeolite confined palladium(0) nanoclusters as effective and reusable catalyst for hydrogen generation from the hydrolysis of ammonia-borane**
Rakap M., ÖZKAR S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.35, sa.3, ss.1305-1312, 2010 (SCI-Expanded)

CLVII. **Zeolite confined rhodium(0) nanoclusters as highly active, reusable, and long-lived catalyst in the methanolysis of ammonia-borane**
Caliskan S., Zahmakiran M., ÖZKAR S.
APPLIED CATALYSIS B-ENVIRONMENTAL, cilt.93, ss.387-394, 2010 (SCI-Expanded)

CLVIII. **Zeolite confined copper(0) nanoclusters as cost-effective and reusable catalyst in hydrogen generation from the hydrolysis of ammonia-borane**
Zahmakiran M., Durap F., ÖZKAR S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.35, sa.1, ss.187-197, 2010 (SCI-Expanded)

CLIX. **Aminopropyltriethoxysilane stabilized ruthenium(0) nanoclusters as an isolable and reusable heterogeneous catalyst for the dehydrogenation of dimethylamine-borane**
Zahmakiran M., Tristany M., Philippot K., Fajerwerg K., ÖZKAR S., Chaudret B.
CHEMICAL COMMUNICATIONS, cilt.46, sa.17, ss.2938-2940, 2010 (SCI-Expanded)

CLX. **Ruthenium(0) nanoclusters supported on hydroxyapatite: highly active, reusable and green catalyst in the hydrogenation of aromatics under mild conditions with an unprecedented catalytic lifetime**
Zahmakiran M., Tonbul Y., ÖZKAR S.
CHEMICAL COMMUNICATIONS, cilt.46, sa.26, ss.4788-4790, 2010 (SCI-Expanded)

CLXI. **Synthesis and characterization of new (N-diphenylphosphino)-isopropylanilines and their complexes: crystal structure of (Ph2P = S)NH-C6H4-4-CH(CH3)(2) and catalytic activity of palladium(II) complexes in the Heck and Suzuki cross-coupling reactions**
AYDEMİR M., BAYSAL A., GÜRBÜZ N., ÖZDEMİR İ., Gumgum B., ÖZKAR S., Caylak N., Yildirim L. T.
APPLIED ORGANOMETALLIC CHEMISTRY, cilt.24, sa.1, ss.17-24, 2010 (SCI-Expanded)

CLXII. **Enhancement of catalytic activity by increasing surface area in heterogeneous catalysis**
ÖZKAR S.
APPLIED SURFACE SCIENCE, cilt.256, sa.5, ss.1272-1277, 2009 (SCI-Expanded)

CLXIII. **New route to synthesis of PVP-stabilized palladium(0) nanoclusters and their enhanced catalytic**

activity in Heck and Suzuki cross-coupling reactions
DURAP F., Metin O., AYDEMİR M., ÖZKAR S.
APPLIED ORGANOMETALLIC CHEMISTRY, cilt.23, sa.12, ss.498-503, 2009 (SCI-Expanded)

CLXIV. **Water soluble laurate-stabilized rhodium(0) nanoclusters catalyst with unprecedented catalytic lifetime in the hydrolytic dehydrogenation of ammonia-borane**
Durap F., Zahmakiran M., ÖZKAR S.
APPLIED CATALYSIS A-GENERAL, cilt.369, ss.53-59, 2009 (SCI-Expanded)

CLXV. **Synthesis and characterization of transition metal complexes of thiophene-2-methylamine: X-ray crystal structure of palladium (II) and platinum (II) complexes and use of palladium(II) complexes as pre-catalyst in Heck and Suzuki cross-coupling reactions**
AYDEMİR M., BAYSAL A., DURAP F., Gumgum B., ÖZKAR S., Yildirim L. T.
APPLIED ORGANOMETALLIC CHEMISTRY, cilt.23, sa.11, ss.467-475, 2009 (SCI-Expanded)

CLXVI. **Dimethylammonium Hexanoate Stabilized Rhodium(0) Nanoclusters Identified as True Heterogeneous Catalysts with the Highest Observed Activity in the Dehydrogenation of Dimethylamine-Borane**
Zahmakiran M., ÖZKAR S.
INORGANIC CHEMISTRY, cilt.48, sa.18, ss.8955-8964, 2009 (SCI-Expanded)

CLXVII. **Intrazeolite cobalt(0) nanoclusters as low-cost and reusable catalyst for hydrogen generation from the hydrolysis of sodium borohydride**
Rakap M., ÖZKAR S.
APPLIED CATALYSIS B-ENVIRONMENTAL, cilt.91, ss.21-29, 2009 (SCI-Expanded)

CLXVIII. **Testing catalytic activity of ruthenium(III) acetylacetonate in the presence of trialkylphosphite or trialkylphosphine in hydrogen generation from the hydrolysis of sodium borohydride**
Masjedi M., Demiralp T., ÖZKAR S.
JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, cilt.310, ss.59-63, 2009 (SCI-Expanded)

CLXIX. **Water soluble laurate-stabilized ruthenium(0) nanoclusters catalyst for hydrogen generation from the hydrolysis of ammonia-borane: High activity and long lifetime**
DURAP F., Zahmakiran M., ÖZKAR S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.34, sa.17, ss.7223-7230, 2009 (SCI-Expanded)

CLXX. **Synthesis and characterization of new bis(diphenylphosphino)aniline ligands and their complexes: X-ray crystal structure of palladium(II) and platinum(II) complexes, and application of palladium(II) complexes as pre-catalysts in Heck and Suzuki cross-coupling reactions**
AYDEMİR M., DURAP F., BAYSAL A., AKBA O., Gumgum B., ÖZKAR S., Yildirim L. T.
POLYHEDRON, cilt.28, sa.12, ss.2313-2320, 2009 (SCI-Expanded)

CLXXI. **Water-soluble poly(4-styrenesulfonic acid-co-maleic acid) stabilized ruthenium(0) and palladium(0) nanoclusters as highly active catalysts in hydrogen generation from the hydrolysis of ammonia-borane**
Metin O., ŞAHİN ÜN Ş., ÖZKAR S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.34, sa.15, ss.6304-6313, 2009 (SCI-Expanded)

CLXXII. **Zeolite framework stabilized rhodium(0) nanoclusters catalyst for the hydrolysis of ammonia-borane in air: Outstanding catalytic activity, reusability and lifetime**
Zahmakiran M., ÖZKAR S.
APPLIED CATALYSIS B-ENVIRONMENTAL, cilt.89, ss.104-110, 2009 (SCI-Expanded)

CLXXIII. **Hydrogen Generation from the Hydrolysis of Ammonia-borane and Sodium Borohydride Using Water-soluble Polymer-stabilized Cobalt(0) Nanoclusters Catalyst**
Metin O., ÖZKAR S.
ENERGY & FUELS, cilt.23, sa.7, ss.3517-3526, 2009 (SCI-Expanded)

CLXXIV. **Preparation and characterization of zeolite framework stabilized cuprous oxide nanoparticles**
Zahmakiran M., ÖZKAR S.
MATERIALS LETTERS, cilt.63, sa.12, ss.1033-1036, 2009 (SCI-Expanded)

CLXXV. **A Density Functional Study of Ni-2 and Ni-13 Nanoclusters**

ÖNAL I., Sayar A., Uzun A., ÖZKAR S.
JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE, cilt.6, sa.4, ss.867-872, 2009 (SCI-Expanded)

CLXXVI. **Zeolite-Confined Ruthenium(0) Nanoclusters Catalyst: Record Catalytic Activity, Reusability, and Lifetime in Hydrogen Generation from the Hydrolysis of Sodium Borohydride**
Zahmakiran M., ÖZKAR S.
LANGMUIR, cilt.25, sa.5, ss.2667-2678, 2009 (SCI-Expanded)

CLXXVII. **Synthesis and characterizations of N,N,N ',N '-tetrakis (diphenylphosphino)ethylendiamine derivatives: Use of palladium(II) complex as pre-catalyst in Suzuki coupling and Heck reactions**
AKBA O., DURAP F., AYDEMİR M., BAYSAL A., Guemguem B., ÖZKAR S.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.694, sa.5, ss.731-736, 2009 (SCI-Expanded)

CLXXVIII. **Improved synthesis of fine zinc borate particles using seed crystals**
Guerhan D., Cakal G. O., Eroglu I., ÖZKAR S.
JOURNAL OF CRYSTAL GROWTH, cilt.311, sa.6, ss.1545-1552, 2009 (SCI-Expanded)

CLXXIX. **A novel, simple, organic free preparation and characterization of water dispersible photoluminescent Cu2O nanocubes**
Zahmakiran M., ÖZKAR S., Kodaira T., Shiomi T.
MATERIALS LETTERS, cilt.63, ss.400-402, 2009 (SCI-Expanded)

CLXXX. **Model Ziegler-Type Hydrogenation Catalyst Precursors, [(1,5-COD)M(mu-O2C8H15)](2) (M = Ir and Rh): Synthesis, Characterization, and Demonstration of Catalytic Activity En Route to Identifying the True Industrial Hydrogenation Catalysts**
Alley W. M., Girard C. W., ÖZKAR S., Finke R. G.
INORGANIC CHEMISTRY, cilt.48, sa.3, ss.1114-1121, 2009 (SCI-Expanded)

CLXXXI. **Zeolite confined nanostructured dinuclear ruthenium clusters: preparation, characterization and catalytic properties in the aerobic oxidation of alcohols under mild conditions**
Zahmakiran M., ÖZKAR S.
JOURNAL OF MATERIALS CHEMISTRY, cilt.19, sa.38, ss.7112-7118, 2009 (SCI-Expanded)

CLXXXII. **In situ-generated PVP-stabilized palladium(0) nanocluster catalyst in hydrogen generation from the methanolysis of ammonia-borane**
Erdogan H., Metin O., ÖZKAR S.
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, cilt.11, sa.44, ss.10519-10525, 2009 (SCI-Expanded)

CLXXXIII. **Synthesis, Characterization and Crystal Packing-Geometry of 1,5-dihydro-2H-cyclopenta [1,2-b:5,4-b ']dipyridin-2-One**
YILDIRIM L., Baysal A., Durap F., ÖZKAR S.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, cilt.65, 2009 (SCI-Expanded)

CLXXXIV. **Synthesis and characterization of poly(N-vinyl-2-pyrrolidone)-stabilized water-soluble nickel(0) nanoclusters as catalyst for hydrogen generation from the hydrolysis of sodium borohydride**
Metin O., ÖZKAR S.
JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, cilt.295, ss.39-46, 2008 (SCI-Expanded)

CLXXXV. **Intrazeolite ruthenium(0) nanoclusters: A superb catalyst for the hydrogenation of benzene and the hydrolysis of sodium borohydride**
Zahmakiran M., ÖZKAR S.
LANGMUIR, cilt.24, sa.14, ss.7065-7067, 2008 (SCI-Expanded)

CLXXXVI. **Ruthenium(III) acetylacetonate: A homogeneous catalyst in the hydrolysis of sodium borohydride**
Keceli E., ÖZKAR S.
JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, cilt.286, ss.87-91, 2008 (SCI-Expanded)

CLXXXVII. **Synthesis and characterizations of N,N-bis(diphenylphosphino)ethylaniline derivatives and X-ray crystal structure of palladium (II), platinum (II) complexes**
DURAP F., BİRİCİK N., Guemguem B., ÖZKAR S., Ang W. H., Fei Z., Scopelliti R.
POLYHEDRON, cilt.27, sa.1, ss.196-202, 2008 (SCI-Expanded)

CLXXXVIII. **Synthesis and spectroscopic characterization of group 6 pentacarbonyl(4-substituted pyridine)metal(0) complexes**

Tuc C., Morkan I. A., Oezkar S.
TRANSITION METAL CHEMISTRY, cilt.32, sa.6, ss.727-731, 2007 (SCI-Expanded)

CLXXXIX. **Synthesis, characterization and crystal structure of bis(acetylacetonato)dimethanolnickel(II): [Ni(acac)(2)(MeOH)(2)]**
Metin O., Yildirim L. T., Oezkar S.
INORGANIC CHEMISTRY COMMUNICATIONS, cilt.10, sa.9, ss.1121-1123, 2007 (SCI-Expanded)

CXC. **Synthesis and characterizations of 3,3 '-bis(diphenylphosphinoamine)-2,2 '-bipyridine and 3,3 '-bis(diphenylphosphinite)-2,2 '-bipyridine and their chalcogenides**
Baysal A., Aydemir M., Durap F., Guemguem B., Oezkar S., Yildirim L. T.
POLYHEDRON, cilt.26, sa.13, ss.3373-3378, 2007 (SCI-Expanded)

CXCI. **Hydrogen generation from the hydrolysis of sodium borohydride by using water dispersible, hydrogenphosphate-stabilized nickel(0) nanoclusters as catalyst**
Metin O., Oezkar S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.32, sa.12, ss.1707-1715, 2007 (SCI-Expanded)

CXCII. **Simulation of continuous boric acid slurry reactors in series by microfluid and macrofluid models**
Cakal G. O., Eroglu I., Oezkar S.
JOURNAL OF CRYSTAL GROWTH, cilt.306, sa.1, ss.240-247, 2007 (SCI-Expanded)

CXCIII. **What can predict the exacerbation severity in asthma?**
Oguzulgen I. K., Turktas H., Mullaoglu S., ÖZKAR S.
ALLERGY AND ASTHMA PROCEEDINGS, cilt.28, sa.3, ss.344-347, 2007 (SCI-Expanded)

CXCIV. **Synthesis, characterization, and electrochemistry of tetracarbonyl(6-ferrocenyl-2,2 '-bipyridine)tungsten(0)**
Edinc P., Oenal A. M., Oezkar S.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.692, sa.10, ss.1983-1989, 2007 (SCI-Expanded)

CXCV. **Synthesis, characterization, crystal and molecular structure of 1,5-Dihydro-2H-cyclopenta[1,2-b : 5,4-b ']dipyridin-2-imine**
Baysal A., Durap F., Gumgum B., Yildirim L. T., Ulku D., Boga A. D., Ozkar S.
HELVETICA CHIMICA ACTA, cilt.90, sa.6, ss.1211-1217, 2007 (SCI-Expanded)

CXCVI. **Synthesis, Characterization and Molecular Structure of a Novel Schiff Base, N3,N3 '-di-2-hydroxybenzylidene-[2,2 ']bipyridinyl-3,3 '-diamine**
Baysal A., Buldag A., Gumgum B., ÖZKAR S., Yildirim L. T.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, cilt.63, 2007 (SCI-Expanded)

CXCVII. **Synthesis and electrochemistry of Group 6 tetracarbonyl (N,N '-bis(ferrocenylmethylene)ethylenediamine)metal(0) complexes**
Kocak F. S., Kavakli C., Akyol C., Onal A. M., Ozkar S.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.691, sa.23, ss.5030-5037, 2006 (SCI-Expanded)

CXCVIII. **Synthesis, characterization, crystal and molecular structure of diphenyloxophosphinoethylenediamines**
Guemguem B., Akba O., Durap F., Yildirim L. T., Uelkue D., Oezkar S.
POLYHEDRON, cilt.25, sa.16, ss.3133-3137, 2006 (SCI-Expanded)

CXCIX. **Water dispersible acetate stabilized ruthenium(0) nanoclusters as catalyst for hydrogen generation from the hydrolysis of sodium borohyride**
Zahmakiran M., Ozkar S.
JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, cilt.258, ss.95-103, 2006 (SCI-Expanded)

CC. **Substitution kinetics of W(CO)(5)(eta(2)-bis(trimethylsilyl)ethyne) with triphenylbismuthine**
Bayram E., Ozkar S.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.691, sa.15, ss.3267-3273, 2006 (SCI-Expanded)

CCI. **Carbonyltungsten(0) complexes of acryloylferrocene: Synthesis and characterization**
Boga D. A., Ozkar S.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.691, sa.15, ss.3293-3297, 2006 (SCI-Expanded)

CCII. **A stable carbonyl-pyrazine-metal(0) complex: Synthesis and characterization of cis-**

tetracarbonylpyrazinetrimethylphosphitetungsten(0)
Alper F., Kayran C., Ozkar S.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.691, sa.12, ss.2734-2738, 2006 (SCI-Expanded)

CCIII. **Gypsum crystal size distribution in four continuous flow stirred slurry boric acid reactors in series compared with the batch**
Cakal G., Eroglu I., Ozkar S.
JOURNAL OF CRYSTAL GROWTH, cilt.290, sa.1, ss.197-202, 2006 (SCI-Expanded)

CCIV. **Analysis of nanoparticle Transmission Electron Microscopy data using a public-domain image-processing program, Image**
Woehrle G., Hutchison J., Ozkar S., Finke R.
TURKISH JOURNAL OF CHEMISTRY, cilt.30, sa.1, ss.1-13, 2006 (SCI-Expanded)

CCV. **Hydrogen generation from hydrolysis of sodium borohydride using Ru(0) nanoclusters as catalyst**
Ozkar S., Zahmakiran M.
JOURNAL OF ALLOYS AND COMPOUNDS, cilt.404, ss.728-731, 2005 (SCI-Expanded)

CCVI. **Bis(trimethylsilyl)ethyne as a two-electron alkyne ligand in group 6 carbonylmetal(0) complexes: Photochemical syntheses and comprehensive characterization of M(CO)5(η2-Me3SiC= CSiMe3) (M = W, Mo, Cr) and trans-Mo(CO)4(η 2-Me3SiC=CSiMe3)2**
Grevels F., Jacke J., Goddard R., Lehmann C. W., ÖZKAR S., Saldamli S.
Organometallics, cilt.24, sa.19, ss.4613-4623, 2005 (SCI-Expanded)

CCVII. **Iridium(0) nanocluster, acid-assisted catalysis of neat acetone hydrogenation at room temperature: Exceptional activity, catalyst lifetime, and selectivity at complete conversion**
Ozkar S., Finke R.
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, cilt.127, sa.13, ss.4800-4808, 2005 (SCI-Expanded)

CCVIII. **Pentacarbonyl(2-ferrocenylpyridine)metal(0) complexes of Group 6 elements. Synthesis and characterization**
Yaman G., Kayran C., Ozkar S.
TRANSITION METAL CHEMISTRY, cilt.30, sa.1, ss.53-57, 2005 (SCI-Expanded)

CCIX. **Pentacarbonyl(2,6-diaminopyridine)chromium(0): synthesis and molecular structure**
Morkan I., Guven K., Ozkar S.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.689, sa.14, ss.2319-2323, 2004 (SCI-Expanded)

CCX. **The hydrogenphosphate complex of (1,5-cyclooctadiene)iridium(I), {[Bu4N][(1,5-COD)Ir center dot HPO4]}(n): Synthesis, spectroscopic characterization, and ES-MS of a new, preferred precursor to HPO42- and Bu4N+ stabilized Ir(0)(n) nanoclusters**
Ozkar S., Finke R.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.689, sa.3, ss.493-501, 2004 (SCI-Expanded)

CCXI. **Crystal and molecular structure of bis(acetylacetone)ethylenediimine: intramolecular ionic hydrogen bonding in solid state**
Ozkar S., Ulku D., Yildirim L., Biricik N., Gumgum B.
JOURNAL OF MOLECULAR STRUCTURE, cilt.688, ss.207-211, 2004 (SCI-Expanded)

CCXII. **Molecular insights for how preferred oxoanions bind to and stabilize transition-metal nanoclusters: a tridentate, C-3 symmetry, lattice size-matching binding model**
Finke R., Ozkar S.
COORDINATION CHEMISTRY REVIEWS, cilt.248, ss.135-146, 2004 (SCI-Expanded)

CCXIII. **Reaction of pentacarbonyl(eta(2)-bis(trimethylsilyl)ethyne)tungsten(0) with tricyclohexylphosphine: X-ray structure of pentacarbonyltricyclohexylphosphinetungsten(0)**
Demircan O., Ozkar S., Ulku D., Yildirim L.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.688, ss.68-74, 2003 (SCI-Expanded)

CCXIV. **Pentacarbonyl(eta(2)-vinylferrocene)metal(0) complexes of Group 6 elements: synthesis and characterization**
Ozkar S., Kayran C., Demir N.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.688, sa.1-2, ss.62-67, 2003 (SCI-Expanded)

CCXV. **Transition-metal nanocluster stabilization fundamental studies: Hydrogen phosphate as a simple, effective, readily available, robust, and previously unappreciated stabilizer for well-formed, isolable, and redissolvable Ir(0) and other transition-metal nanoclusters**
Ozkar S., Finke R.
LANGMUIR, cilt.19, sa.15, ss.6247-6260, 2003 (SCI-Expanded)

CCXVI. **Photo-induced chromiumcarbonyl catalyzed hydrosilylation of conjugated dienes with triethylsilane: The solvent effect**
Kayran C., Ozkar S., Akhmedov V.
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL SCIENCES, cilt.58, sa.7, ss.644-648, 2003 (SCI-Expanded)

CCXVII. **Nanocluster formation and stabilization fundamental studies. 2. Proton sponge as an effective H+ scavenger and expansion of the anion stabilization ability series**
Ozkar S., Finke R.
LANGMUIR, cilt.18, sa.20, ss.7653-7662, 2002 (SCI-Expanded)

CCXVIII. **Substitution kinetics of Cr(CO)(5)(eta(2)-Z-cyclooctene) with tetracyanoethylene**
Kozanoglu F., Saldamli S., Ozkar S.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.658, ss.274-280, 2002 (SCI-Expanded)

CCXIX. **Fine-tuning the mechanical properties of hydroxyl-terminated polybutadiene/ammonium perchlorate-based composite solid propellants by varying the NCO/OH and triol/diol ratios**
Hocaoglu O., Ozbelge T., Pekel F., Ozkar S.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.84, sa.11, ss.2072-2079, 2002 (SCI-Expanded)

CCXX. **Nanocluster formation and stabilization fundamental studies: Ranking commonly employed anionic stabilizers via the development, then application, of five comparative criteria**
ÖZKAR S., Finke R.
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, cilt.124, sa.20, ss.5796-5810, 2002 (SCI-Expanded)

CCXXI. **Kinetics of gypsum formation and growth during the dissolution of colemanite in sulfuric acid**
Cetin E., Eroglu I., Ozkar S.
JOURNAL OF CRYSTAL GROWTH, cilt.231, sa.4, ss.559-567, 2001 (SCI-Expanded)

CCXXII. **Dissociative CO photosubstitution in M(CO)(4)(1,4-diazabutadiene) complexes (M = V, Mo) by an olefin affording novel fac-M(CO)(3)(1,4-diazabutadiene)(eta(2)-olefin) derivatives**
Grevels F., Kerpen K., Klotzbucher W., Schaffner K., Goddard R., Weimann B., Kayran C., Ozkar S.
ORGANOMETALLICS, cilt.20, sa.23, ss.4775-4792, 2001 (SCI-Expanded)

CCXXIII. **Kinetics of polyurethane formation between glycidyl azide polymer and a triisocyanate**
Keskin S., Ozkar S.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.81, sa.4, ss.918-923, 2001 (SCI-Expanded)

CCXXIV. **Improved adhesive properties and bonding performance of HTPB-based polyurethane elastomer by using aziridine type bond promoter**
Gercel B., Unel D., Pekel F., Ozkar S.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.80, sa.5, ss.806-814, 2001 (SCI-Expanded)

CCXXV. **Curing characteristics of glycidyl azide polymer-based binders**
Kasikci H., Pekel F., Ozkar S.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.80, sa.1, ss.65-70, 2001 (SCI-Expanded)

CCXXVI. **Aging of HTPB/AP-based composite solid propellants, depending on the NCO/OH and triol/diol ratios**
Hocaoglu O., Ozbelge T., Pekel F., Ozkar S.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.79, sa.6, ss.959-964, 2001 (SCI-Expanded)

CCXXVII. **Additional investigations of a new kinetic method to follow transition-metal nanocluster formation, including the discovery of heterolytic hydrogen activation in nanocluster nucleation reactions**
Widegren J., Aiken J., ÖZKAR S., Finke R.
CHEMISTRY OF MATERIALS, cilt.13, sa.2, ss.312-324, 2001 (SCI-Expanded)

CCXXVIII. **Thermal characterization of glycidyl azide polymer (GAP) and GAP-based binders for composite**

propellants
Selim K., Ozkar S., Yilmaz L.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.77, sa.3, ss.538-546, 2000 (SCI-Expanded)

CCXXIX. **Crystallization kinetics of ammonium perchlorate in MSMPR crystallizer**
Tanrikulu S., Eroglu I., Bulutcu A., Ozkar S.
JOURNAL OF CRYSTAL GROWTH, cilt.208, ss.533-540, 2000 (SCI-Expanded)

CCXXX. **13C- and 31P-NMR study of tetracarbonylbis(diphenylphosphino)alkanemetal(0) complexes of the group 6 elements**
Özer Z., ÖZKAR S.
Turkish Journal of Chemistry, cilt.23, sa.1, ss.9-14, 1999 (SCI-Expanded)

CCXXXI. **Ligand substitution kinetics in M(CO)(4)(eta(2 : 2)-norbornadiene) complexes (M = Cr, Mo, W): displacement of norbornadiene by bis(diphenylphosphino)alkanes**
Tekkaya A., ÖZKAR S.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.590, sa.2, ss.208-216, 1999 (SCI-Expanded)

CCXXXII. **Friedel-Crafts alkylation of ferrocene with Z-cyclooctene and cyclohexene**
Grevels F., KURAN A., ÖZKAR S., ZORA M.
Journal of Organometallic Chemistry, cilt.587, sa.1, ss.122-126, 1999 (SCI-Expanded)

CCXXXIII. **Sequential photosubstitution of carbon monoxide by (E)-cyclooctene in hexacarbonyltungsten: Structural aspects, multistep photokinetics, and quantum yields**
Grevels F., Jacke J., Klotzbucher W., Mark F., Skibbe V., Schaffner K., Angermund K., Kruger C., Lehmann C., ÖZKAR S.
ORGANOMETALLICS, cilt.18, sa.17, ss.3278-3293, 1999 (SCI-Expanded)

CCXXXIV. **Development of MTV compositions as igniter for HTPB AP based composite propellants**
Gocmez A., Yilmaz G., Pekel F., Ozkar S.
PROPELLANTS EXPLOSIVES PYROTECHNICS, cilt.24, sa.2, ss.65-69, 1999 (SCI-Expanded)

CCXXXV. **C-13- and P-31-NMR study of tetracarbonylbis(diphenylphosphino)alkanemetal(0) complexes of the group 6 elements**
Ozer Z., Ozkar S.
TURKISH JOURNAL OF CHEMISTRY, cilt.23, sa.1, ss.9-14, 1999 (SCI-Expanded)

CCXXXVI. **Ligand substitution kinetics in M(CO)(4)(eta(2 : 2)-1,5-cyclooctadiene) complexes (M = Cr, Mo, W) - substitution of 1,5-cyclooctadiene by bis(diphenylphosphino)alkanes**
Kayran C., Kozanoglu F., Ozkar S., Saldamli S., Tekkaya A., Kreiter C.
INORGANICA CHIMICA ACTA, cilt.284, sa.2, ss.229-236, 1999 (SCI-Expanded)

CCXXXVII. **The growth and dissolution of ammonium perchlorate crystals in a fluidized bed crystallizer**
Tanrikulu S., Eroglu I., Bulutcu A., ÖZKAR S.
JOURNAL OF CRYSTAL GROWTH, cilt.194, sa.2, ss.220-227, 1998 (SCI-Expanded)

CXXXVIII. **Electrochemical study of tricarbonyl(eta(6)-cyclooctatetraene)metal(0) complexes of the group 6 elements**
Yilmaz G., Onal A., Ozkar S.
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL SCIENCES, cilt.53, sa.8, ss.875-880, 1998 (SCI-Expanded)

CCXXXIX. **Modeling and rheology of HTPB based composite solid propellants**
Erisken C., Gocmez A., Yilmazer U., Pekel F., Ozkar S.
POLYMER COMPOSITES, cilt.19, sa.4, ss.463-472, 1998 (SCI-Expanded)

CCXL. **Effect of fillers on thermal and mechanical properties of polyurethane elastomer**
Benli S., Yilmazer U., Pekel F., Ozkar S.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.68, sa.7, ss.1057-1065, 1998 (SCI-Expanded)

CCXLI. **Mechanical and burning properties of highly loaded composite propellants**
Gocmez A., Erisken C., Yilmazer U., Pekel F., Ozkar S.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.67, sa.8, ss.1457-1464, 1998 (SCI-Expanded)

CCXLII. **Kinetic study of the reaction between hydroxyl-terminated polybutadiene and isophorone diisocyanate in bulk by quantitative FTIR spectroscopy**

Kincal D., Ozkar S.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.66, sa.10, ss.1979-1983, 1997 (SCI-Expanded)

CCXLIII. **Mechanical properties of HTPB-IPDI-based elastomers**
Haska S., Bayramli E., Pekel F., Ozkar S.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.64, sa.12, ss.2347-2354, 1997 (SCI-Expanded)

CCXLIV. **Adhesion of an HTPB-IPDI-based liner elastomer to composite matrix and metal case**
Haska S., Bayramli E., Pekel F., Ozkar S.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.64, sa.12, ss.2355-2362, 1997 (SCI-Expanded)

CCXLV. **Photocatalytic hydrosilylation of conjugated dienes with triethylsilane in the presence of Cr(CO)(5)L(L=CO, P(CH3)(3), P(OCH3)(3))**
Ozkar S., Akhmedov V., Kayran C.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.533, sa.1-2, ss.103-108, 1997 (SCI-Expanded)

CCXLVI. **Tetracarbonyl(eta(2:2)-1,5-cyclooctadiene)molybdenum(0)**
Ulku D., Tahir M., Ozkar S.
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, cilt.53, ss.185-187, 1997 (SCI-Expanded)

CCXLVII. **Displacement kinetics of 1,5-cyclooctadiene from M(CO)(4)(eta(2:2)-1.5-cyclooctadiene) (M=Cr, Mo, W) by bis(diphenylphosphino)alkane**
Kayran C., Okan E., Ozkar S., Ozturk O., Saldamli S., Tekkaya A., Kreiter C.
PURE AND APPLIED CHEMISTRY, cilt.69, sa.1, ss.193-198, 1997 (SCI-Expanded)

CCXLVIII. **Photocatalytic hydrosilylation of conjugated dienes with triethylsilane in the presence Cr(CO)(6)**
Abdelqader W., Chmielewski D., Grevels F., Ozkar S., Peynircioglu N.
ORGANOMETALLICS, cilt.15, sa.2, ss.604-614, 1996 (SCI-Expanded)

CCXLIX. **Chelate ring-closure kinetics of Cr(CO)(5) (DPPM) studied by P-31-NMR spectroscopy**
Ozkar S., Kayran C., Tekkaya A.
TURKISH JOURNAL OF CHEMISTRY, cilt.20, sa.1, ss.74-79, 1996 (SCI-Expanded)

CCL. **HINDERED LIGAND MOVEMENTS IN TRANSITION-METAL COMPLEXES .45. STRUCTURE AND DYNAMIC BEHAVIOR OF CIS-DICARBONYL-BIS(ETA(4)-1,3-DIENE)CHROMIUM(0), CIS-DICARBONYL-BIS(ETA(4)-1,3-DIENE)MOLYBDENUM(0) AND CIS-DICARBONYL-BIS(ETA(4)-1,3-DIENE)TUNGSTEN(0) COMPLEXES**
ÖZKAR S., KREITER C., KOTZIAN M.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.494, ss.115-121, 1995 (SCI-Expanded)

CCLI. **SYNTHESIS AND SPECTROSCOPIC STUDIES OF PENTACARBONYLFUMARONITRILE-CHROMIUM(0), PENTACARBONYLFUMARONITRILE-MOLYBDENUM(0), AND PENTACARBONYLFUMARONITRILE-TUNGSTEN(0)**
MOUR I., OZKAR S., KREITER C.
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL SCIENCES, cilt.49, sa.8, ss.1059-1062, 1994 (SCI-Expanded)

CCLII. **RETARDATION EFFECT OF TRIMETHYL PHOSPHITE ON CHELATE RING-CLOSURE OF 2,2'-BIPYRIDINE (BIPY) IN CIS-[W(CO)4(P(OME)3)-(BIPY)]**
KAYRAN C., OZKAR S., SULTAN W.
JOURNAL OF THE CHEMICAL SOCIETY-DALTON TRANSACTIONS, sa.15, ss.2239, 1994 (SCI-Expanded)

CCLIII. **PENTACARBONYL(1,4-DIISOPROPYL-1,4-DIAZABUTADIENE)CHROMIUM - ISOLATION AND REACTIVITY OF THE MONODENTATE INTERMEDIATE EN-ROUTE TO CR(CO)4(IPROP-DAB) CHELATE RING-CLOSURE**
GREVELS F., KAYRAN C., OZKAR S.
ORGANOMETALLICS, cilt.13, sa.8, ss.2937-2943, 1994 (SCI-Expanded)

CCLIV. **DISPLACEMENT KINETICS OF 1,5-CYCLOOCTADIENE FROM MO(CO)4(ETA(2-2)-1,5-CYCLOOCTADIENE) BY BIS(DIPHENYLPHOSPHINO)METHANE**
TEKKAYA A., KAYRAN C., OZKAR S., KREITER C.
INORGANIC CHEMISTRY, cilt.33, sa.11, ss.2439-2443, 1994 (SCI-Expanded)

CCLV. **GUEST HOST INTERACTIONS IN SODIUM ZEOLITE-Y - STRUCTURAL AND DYNAMIC NA-23 DOUBLE-ROTATION NMR-STUDY OF H2O, PME3, MO(CO)6, AND MO(CO)4(PME3)2 ADSORPTION IN NA56Y**
JELINEK R., ÖZKAR S., PASTORE H., MALEK A., OZIN G.
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, cilt.115, sa.2, ss.563-568, 1993 (SCI-Expanded)

CCLVI. **SPECTRAL CHARACTERIZATION AND THERMAL-BEHAVIOR OF CROSS-LINKED POLY(HYDROXYETHYLMETHACRYLATE) BEADS PREPARED BY SUSPENSION POLYMERIZATION**
KIREMITCI M., CUKUROVA H., OZKAR S.
POLYMER INTERNATIONAL, cilt.30, sa.3, ss.357-361, 1993 (SCI-Expanded)

CCLVII. **[MU-BIS(DIALKYLPHOSPHINO)ALKANE]-BIS[PENTACARBONYLMETAL(0)] COMPLEXES OF THE GROUP-6B ELEMENTS - SYNTHESIS AND SPECTROSCOPIC STUDY**
OZER Z., OZKAR S., PAMUK H.
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL SCIENCES, cilt.48, sa.1, ss.37-43, 1993 (SCI-Expanded)

CCLVIII. **SMART ZEOLITES - NEW FORMS OF TUNGSTEN AND MOLYBDENUM OXIDES**
OZIN G., OZKAR S., PROKOPOWICZ R.
ACCOUNTS OF CHEMICAL RESEARCH, cilt.25, sa.12, ss.553-560, 1992 (SCI-Expanded)

CCLIX. **PHOTOOXIDATION OF HEXACARBONYLMOLYBDENUM(0) IN SODIUM ZEOLITE-Y TO YIELD REDOX-INTERCONVERTIBLE MOLYBDENUM(VI) OXIDE AND MOLYBDENUM(IV) OXIDE MONOMERS**
OZKAR S., OZIN G., PROKOPOWICZ R.
CHEMISTRY OF MATERIALS, cilt.4, sa.6, ss.1380-1388, 1992 (SCI-Expanded)

CCLX. **INTRAZEOLITE NONSTOICHIOMETRIC TUNGSTEN-OXIDES N[WO3-X]-NA56Y(0-LESS-THAN-N-LESS-THAN-OR-EQUAL-TO-32, 0-LESS-THAN-OR-EQUAL-TO-X-LESS-THAN-OR-EQUAL-TO-1)**
OZIN G., PROKOPOWICZ R., ÖZKAR S.
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, cilt.114, sa.23, ss.8953-8963, 1992 (SCI-Expanded)

CCLXI. **HINDERED LIGAND MOVEMENTS IN TRANSITION-METAL COMPLEXES DECARBONYL (ETA-4-DIENE) TUNGSTEN(0)**
OZKAR S., KAYRAN C., KREITER C.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.434, sa.1, ss.79-87, 1992 (SCI-Expanded)

CCLXII. **INTRAZEOLITE TOPOTAXY - NA-23 DOUBLE-ROTATION NMR-STUDY OF TRANSITION-METAL HEXACARBONYLS AND OXIDES ENCAPSULATED IN SODIUM ZEOLITE-Y**
JELINEK R., ÖZKAR S., OZIN G.
JOURNAL OF PHYSICAL CHEMISTRY, cilt.96, sa.14, ss.5949-5953, 1992 (SCI-Expanded)

CCLXIII. **HINDERED LIGAND MOVEMENTS IN TRANSITION-METAL COMPLEXES .40. SYNTHESIS AND DYNAMIC BEHAVIOR OF TRICARBONYL-ETA-4-TRICYCLO[6.3.0.0(2.7)]UNDECA-3,5-DIENE-TRIMETHYLPHOSPHITE-METAL(0) AND DICARBONYL-ETA-4-TRICYCLO[6.3.0.0(2.7)]UNDECA-3,5-DIENE-BIS(TRIMETHYLPHOSPHITE)-METAL(0) COMPLEXES OF CHROMIUM, MOLYBDENUM AND TUNGSTEN**
KREITER C., KOTZIAN M., ÖZKAR S., ABUMOUR I.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.431, sa.2, ss.159-170, 1992 (SCI-Expanded)

CCLXIV. **Extraframework Sodium Cation Sites in Sodium Zeolite Y Probed by 23Na Double-Rotation NMR**
Jelinek R., Özkar S., Ozin G. A.
Journal of the American Chemical Society, cilt.114, sa.12, ss.4907-4908, 1992 (SCI-Expanded)

CCLXV. **ZEOLATES - A COORDINATION CHEMISTRY VIEW OF METAL-LIGAND BONDING IN ZEOLITE GUEST HOST INCLUSION-COMPOUNDS**
OZIN G., ÖZKAR S.
CHEMISTRY OF MATERIALS, cilt.4, sa.3, ss.511-521, 1992 (SCI-Expanded)

CCLXVI. **HINDERED LIGANDS IN TRANSITION-METAL COMPLEXES .39. SYNTHESIS AND DYNAMIC BEHAVIOR OF TETRACARBONYL-ETA-4-TRICYCLO[6.3.0.0(2.7)]UNDECA-3,5-DIENE METAL(0) COMPLEXES AND DICARBONYL-BIS-(ETA-4-TRICYCLO[6.3.0.0(2.7)]UNDECA-3,5-DIENE METAL(0) COMPLEXES OF THE ELEMENTS CHROMIUM, MOLYBDENUM AND TUNGSTEN**
ÖZKAR S., TUNALI N., KREITER C.

JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.428, sa.3, ss.345-351, 1992 (SCI-Expanded)

CCLXVII. **INTRAZEOLITE TOPOTAXY**
OZIN G., ÖZKAR S.
ADVANCED MATERIALS, cilt.4, sa.1, ss.11-22, 1992 (SCI-Expanded)

CCLXVIII. **SYNTHESIS AND STEREOCHEMISTRY OF PENTACARBONYL(PHOSPHOLE)METAL(0) AND TETRACARBONYLBIS(PHOSPHOLE)METAL(0) COMPLEXES OF 6B ELEMENTS**
OZER Z., OZKAR S.
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, cilt.70, ss.339-349, 1992 (SCI-Expanded)

CCLXIX. **PHOTOINDUCED REACTIONS OF CR(CO)3-COORDINATED 1,3,5-CYCLOHEPTATRIENE - (6+2) CYCLOADDITION WITH AN ALKYNE AND CATALYTIC 1,6-HYDROGENATION**
FISCHLER I., GREVELS F., LEITICH J., OZKAR S.
CHEMISCHE BERICHTE-RECUEIL, cilt.124, sa.12, ss.2857-2861, 1991 (SCI-Expanded)

CCLXX. **INTRAZEOLITE SEMICONDUCTORS - NA-23 MAS NMR, TL+ LUMINESCENCE QUENCHING, AND FAR-IR STUDIES OF ACID-BASE PRECURSOR CHEMISTRY IN ZEOLITE-Y**
MCMURRAY L., HOLMES A., KUPERMAN A., OZIN G., ÖZKAR S.
JOURNAL OF PHYSICAL CHEMISTRY, cilt.95, sa.23, ss.9448-9456, 1991 (SCI-Expanded)

CCLXXI. **INTRAZEOLITE PHOTOTOPOTAXY - EXAFS ANALYSIS OF PRECURSOR 8(W(CO)6)-NA56Y AND PHOTOOXIDATION PRODUCTS 16(WO3)-NA56Y AND 28(WO3)-NA56Y**
MOLLER K., BEIN T., ÖZKAR S., OZIN G.
JOURNAL OF PHYSICAL CHEMISTRY, cilt.95, sa.13, ss.5276-5281, 1991 (SCI-Expanded)

CCLXXII. **TOPOTACTIC ORGANOMETALLIC CHEMISTRY - INTRAZEOLITE CPCO(CO)2-M56Y, WHERE M=H, LI, NA, K, RB, AND CS**
LI X., OZIN G., ÖZKAR S.
JOURNAL OF PHYSICAL CHEMISTRY, cilt.95, sa.11, ss.4463-4476, 1991 (SCI-Expanded)

CCLXXIII. **TOPOTACTIC KINETICS**
OZIN G., OZKAR S., PASTORE H., POE A., VICHI E.
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, cilt.201, ss.346-345, 1991 (SCI-Expanded)

CCLXXIV. **INTRAZEOLITE CARBONYL(ETA-5-CYCLOPENTADIENYL)DIHYDRIDOIRIDIUM(III) (CPIR(CO)H2-M56Y, WHERE M = H, LI, NA, K, RB, AND CS)**
CROWFOOT L., OZIN G., ÖZKAR S.
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, cilt.113, sa.6, ss.2033-2040, 1991 (SCI-Expanded)

CCLXXV. **INTRAZEOLITE METAL-CARBONYL KINETICS - (CO)-C-12 SUBSTITUTION IN MO(12CO)6-NA56Y BY PME3 AND (CO)-C-13**
OZIN G., OZKAR S., PASTORE H., POE A., VICHI E.
JOURNAL OF THE CHEMICAL SOCIETY-CHEMICAL COMMUNICATIONS, sa.3, ss.141-143, 1991 (SCI-Expanded)

CCLXXVI. **INTRAZEOLITE METAL-CARBONYL TOPOTAXY - A COMPREHENSIVE STRUCTURAL AND SPECTROSCOPIC STUDY OF INTRAZEOLITE GROUP-VI METAL HEXACARBONYLS AND SUBCARBONYLS**
ÖZKAR S., OZIN G., MOLLER K., BEIN T.
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, cilt.112, sa.26, ss.9575-9586, 1990 (SCI-Expanded)

CCLXXVII. **PROTON-LOADED ZEOLITES .2. DEHYDROHALOGENATION VERSUS DECATIONIZATION KINETICS - CATION AND ACIDITY EFFECTS**
OZIN G., ÖZKAR S., MCMURRAY L.
JOURNAL OF PHYSICAL CHEMISTRY, cilt.94, sa.21, ss.8289-8296, 1990 (SCI-Expanded)

CCLXXVIII. **PROTON-LOADED ZEOLITES .3. H56Y, ALPO-5, AND SIO2-Y - ANHYDROUS HX VERSUS AQUEOUS HX TREATMENT OF ZEOLITE-Y**
OZIN G., ÖZKAR S., MCMURRAY L.
JOURNAL OF PHYSICAL CHEMISTRY, cilt.94, sa.21, ss.8297-8302, 1990 (SCI-Expanded)

CCLXXIX. **PROTON-LOADED ZEOLITES .1. HX (X = CL, BR, I) IN SODIUM ZEOLITE-Y ARCHETYPE - PACKAGED ACIDS ON THE ROAD TO INTRAZEOLITE SEMICONDUCTORS**
OZIN G., ÖZKAR S., STUCKY G.
JOURNAL OF PHYSICAL CHEMISTRY, cilt.94, sa.19, ss.7562-7571, 1990 (SCI-Expanded)

CCLXXX. **NA-23 MAS-NMR AND FT-MID-FAR-IR CATION PROTON PROBES OF THE PHOTOTOPOTACTIC OXIDATION OF INTRAZEOLITE HEXACARBONYLTUNGSTEN(0) TO TUNGSTEN(VI) OXIDE QUANTUM DOTS AND SUPRALATTICES - EXPLORING ANCHORING SITES AND AGGREGATION PROCESSES**
OZIN G., ÖZKAR S., MACDONALD P.
JOURNAL OF PHYSICAL CHEMISTRY, cilt.94, sa.18, ss.6939-6943, 1990 (SCI-Expanded)

CCLXXXI. **INTRAZEOLITE METAL-CARBONYL PHOTOTOPOTAXY - FROM TUNGSTEN(VI) OXIDE QUANTUM DOTS TO A ZERO-DIMENSIONAL SEMICONDUCTOR QUANTUM SUPRALATTICE**
OZIN G., ÖZKAR S.
JOURNAL OF PHYSICAL CHEMISTRY, cilt.94, sa.19, ss.7556-7561, 1990 (SCI-Expanded)

CCLXXXII. **DEFINING THE STOICHIOMETRY OF A SUBCARBONYLMETAL GUEST USING MIXED VIBRATIONAL ISOTOPE LABELING TECHNIQUES**
OZIN G., ÖZKAR S., MCINTOSH D.
JOURNAL OF THE CHEMICAL SOCIETY-CHEMICAL COMMUNICATIONS, sa.11, ss.841-843, 1990 (SCI-Expanded)

CCLXXXIII. **INTRAZEOLITE METAL-CARBONYL PHOTOTOPOTAXY - FROM TUNGSTEN(VI) OXIDE QUANTUM DOTS TO AN EXPANDED SEMICONDUCTOR QUANTUM SUPERLATTICE**
OZIN G., ÖZKAR S.
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, cilt.199, ss.160-159, 1990 (SCI-Expanded)

CCLXXXIV. **ELECTROCHEMISTRY OF TRICARBONYL(ETA-6-1,3,5-CYCLOHEPTATRIENE)METAL(O) COMPLEXES OF THE GROUP-6B ELEMENTS IN APROTIC MEDIA**
OZER Z., OZKAR S., ONAL A.
INORGANICA CHIMICA ACTA, cilt.156, sa.2, ss.281-284, 1989 (SCI-Expanded)

CCLXXXV. **PHOTOREACTIONS OF GROUP-6 METAL-CARBONYLS WITH OLEFINS**
GREVELS F., JACKE J., KLOTZBUCHER W., ÖZKAR S., SKIBBE V.
PURE AND APPLIED CHEMISTRY, cilt.60, sa.7, ss.1017-1024, 1988 (SCI-Expanded)

CCLXXXVI. **Photoreactions of Group 6 Metal Carbonyls With Ethene: Syntheses of Trans-(η22-ethene)2M(co)4(M = Cr, Mo, W)**
Grevels F., Jacke J., özkar S.
Journal of the American Chemical Society, cilt.109, sa.24, ss.7536-7537, 1987 (SCI-Expanded)

CLXXXVII. **SYNTHESIS AND STEREOCHEMICAL STUDY OF TETRACARBONYL(ETA-4-1,4-DIPHENYL-1,3-BUTADIENE)TUNGSTEN(0)**
ÖZKAR S., PEYNIRCIOGLU N.
INORGANICA CHIMICA ACTA, cilt.119, sa.2, ss.127-129, 1986 (SCI-Expanded)

CLXXXVIII. **INHIBITED LIGAND MOBILITIES IN TRANSITION-METAL COMPLEXES .30. SYNTHESIS AND DYNAMIC BEHAVIOR OF TRICARBONYL-ETA-4-DIEN-TRIMETHYL PHOSPHITE TUNGSTEN(0) COMPLEXES**
ÖZKAR S., KREITER C.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.303, sa.3, ss.367-374, 1986 (SCI-Expanded)

CCLXXXIX. **PHOTOCHEMICAL-REACTIONS OF TRANSITION METAL-OLEFIN COMPLEXES .11. [4+6]-CYCLOADDITION OF TRICYCLO[6.3.0.0(2.7)]UNDECA-3,5-DIENE IN TRICARBONYL-ETA-6-1,3,5-CYCLOHEPTATRIENE-CHROMIUM(0)**
ÖZKAR S., KREITER C.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.293, sa.2, ss.229-233, 1985 (SCI-Expanded)

CCXC. **SYNTHESIS AND SPECTROSCOPIC STUDY OF TRICARBONYLTRIMETHYLPHOSPHITE- (ETA-4-CYCLOOCTATETRAENE)TUNGSTEN(O)**
ÖZKAR S., ERDOGAN A., KREITER C.
INORGANICA CHIMICA ACTA-ARTICLES AND LETTERS, cilt.98, sa.3, ss.147-151, 1985 (SCI-Expanded)

CCXCI. **HINDERED LIGAND MOVEMENTS IN TRANSITION-METAL COMPLEXES .20. THE DYNAMIC BEHAVIOR OF DICARBONYL-(ETA-4-DIENE)BIS-TRIMETHYLPHOSPHITE-MOLYBDENUM (O) AND DICARBONYL-(ETA-4-DIENE)BIS-TRIMETHYLPHOSPHITE-TUNGSTEN (O)**
ÖZKAR S., KREITER C.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.256, sa.1, ss.57-69, 1983 (SCI-Expanded)

CCXCII. **PHOTOCHEMICAL-SYNTHESIS OF TETRACARBONYL-ETA-4-CYCLOOCTATETRAENE TUNGSTEN(O)**

ÖZKAR S., KREITER C.
ZEITSCHRIFT FUR ANORGANISCHE UND ALLGEMEINE CHEMIE, cilt.502, sa.7, ss.215-217, 1983 (SCI-Expanded)

CCXCIII. **HINDERED LIGAND MOVEMENTS IN TRANSITION-METAL COMPLEXES .21. ISOMERISM AND DYNAMICS OF CIS-DICARBONYL-BIS(ETA-4-2-METHYL-1,3-BUTADIENE)TUNGSTEN(0)**
KREITER C., ÖZKAR S.
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL SCIENCES, cilt.38, sa.11, ss.1424-1430, 1983 (SCI-Expanded)

CCXCIV. **HINDERED LIGAND MOTIONS IN TRANSITION-METAL COMPLEXES .18. SYNTHESIS AND DYNAMIC BEHAVIOR OF TRICARBONYL(ETA-DIENE)(TRIMETHYLPHOSPHANE)CHROMIUM(0) AND TRICARBONYL(ETA-DIENE)(TRIMETHYL PHOSPHITE)CHROMIUM(0)**
KOTZIAN M., KREITER C., MICHAEL G., ÖZKAR S.
CHEMISCHE BERICHTE-RECUEIL, cilt.116, sa.11, ss.3637-3658, 1983 (SCI-Expanded)

CCXCV. **SOME STUDIES ON THE PLASMA-INITIATED POLYMERIZATION OF METHYL-METHACRYLATE IN THE LIQUID-STATE**
AKOVALI G., DEMIREL G., ÖZKAR S.
JOURNAL OF MACROMOLECULAR SCIENCE-CHEMISTRY, sa.8, ss.887-894, 1983 (SCI-Expanded)

CCXCVI. **RESTRICTED LIGAND MOTION IN TRANSITIONAL METAL-COMPLEXES .15. DYNAMIC BEHAVIOR OF TETRACARBONYL-ETA-DIEN-CHROM(0)-COMPLEXES**
KOTZIAN M., KREITER C., ÖZKAR S.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.229, sa.1, ss.29-42, 1982 (SCI-Expanded)

CCXCVII. **HINDERED LIGAND MOVEMENTS IN TRANSITION-METAL COMPLEXES .14. DYNAMIC BEHAVIOR OF NU-DIENECHROMIUM(0) AND MOLYBDENUM(0) COMPLEXES**
KREITER C., ÖZKAR S.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.152, sa.1, 1978 (SCI-Expanded)

CCXCVIII. **PHOTO-CHEMICAL ADDITION OF CONJUGATED DIENES TO TRICARBONYL-NU-1,3,5-CYCLOHEPTATRIENECHROMIUM(O)**
ÖZKAR S., KURZ H., NEUGEBAUER D., KREITER C.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.160, sa.1, ss.115-124, 1978 (SCI-Expanded)

CCXCIX. **TRICARBONYL(4-7-10-11-NU-3-BENZOXEPIN)METAL COMPLEXES OF GROUP VIB**
KREITER C., ÖZKAR S.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.129, sa.1, 1977 (SCI-Expanded)

CCC. **HINDERED LIGAND MOTIONS IN TRANSITION-METAL COMPLEXES .12. TRICARBONYL-ETA6-N-CARBETHOXYAZEPINE-CHROMIUM(O), TRICARBONYL-ETA6-N-CARBETHOXYAZEPINE-MOLYBDENUM(O) AND TRICARBONYL-ETA6-N-CARBETHOXYAZEPINE-TUNGSTEN(O)**
KREITER C., ÖZKAR S.
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL SCIENCES, cilt.32, sa.4, ss.408-412, 1977 (SCI-Expanded)

CCCI. **HINDERED LIGAND MOTIONS IN TRANSITION-METAL COMPLEXES .10. CARBONYL-DONORLIGAND-ETA-1,3,5-CYCLOHEPTATRIENE-CHROMIUM(0)-COMPLEXES**
DJAZAYERI M., KREITER C., KURZ H., LANG M., ÖZKAR S.
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL SCIENCES, cilt.31, sa.9, ss.1238-1247, 1976 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

I. **LaMer's 1950 model of particle formation: a review and critical analysis of its classical nucleation and fluctuation theory basis, of competing models and mechanisms for phase-changes and particle formation, and then of its application to silver halide, semiconductor, metal, and metal-oxide nanoparticles**
Whitehead C. B., ÖZKAR S., Finke R. G.

MATERIALS ADVANCES, cilt.2, sa.1, ss.186-235, 2021 (ESCI)

II. **A Facile Route to Phosphanylborohydrides:Synthesis, Crystal Structure and Spectroscopic Properties of 1,2-Bis(Diphenylphosphinoborane)Ethane**
Yildirim L. T., Masjedi M., Özkar S.
Journal of Crystallization Process and Technology, cilt.01, ss.1-7, 2011 (Hakemli Dergi)

III. **Particle size distribution of gypsum crystals in four continuous flow stirred slurry reactors in series**
ÇAKAL G. Ö., ÖZKAR S., Eroğlu I.
VDI Berichte, sa.1901 I, ss.465-470, 2005 (Scopus)

IV. **Chelate ring-closure kinetics of Cr(CO)5 (DPPM) studied by 31P-NMR spectroscopy**
ÖZKAR S., Kayran C., Tekkaya A.
Turkish Journal of Chemistry, cilt.20, sa.1, ss.74-79, 1996 (Scopus)

V. **Synthesis and Spectroscopic Studies of Pentacarbonylfumaronitrile-chromium(0),-molybdenum(0), and -tungsten(0)**
Mour Ï. A., ÖZKAR S., Kreiter C. G.
Zeitschrift fur Naturforschung - Section B Journal of Chemical Sciences, cilt.49, sa.8, ss.1059-1062, 1994 (Scopus)

VI. **Synthesis and Spectroscopic Study of Pentacarbonyl(η2-tetracyanoethylene) Metal(0) Complexes of the Group 6B Elements**
Mour Ï. A., ÖZKAR S.
Zeitschrift fur Naturforschung - Section B Journal of Chemical Sciences, cilt.49, sa.5, ss.717-720, 1994 (Scopus)

VII. **TOPOTACTIC KINETICS IN ZEOLITE NANOREACTION CHAMBERS**
OZIN G., OZKAR S., PASTORE H., POE A., VICHI E.
SUPRAMOLECULAR ARCHITECTURE, cilt.499, ss.314-332, 1992 (Hakemli Dergi)

VIII. **A study of nanostructure assemblies and guest-host interactions in sodium zeolite-Y using 23Na double-rotation NMR**
Jelinek R., Pines A., Ozkar S., Ozin G.
Nanotechnology, cilt.2, sa.4, ss.182-186, 1991 (Scopus)

IX. **Hindered Ligand Movements in Transitionmetal Complexes, XXI [1] Isomerism and Dynamics of cis-Dicarbonyl-bis(η4-2-methyl-l,3-butadiene)tungsten(0) Gehinderte Ligandbewegungen in Übergangsmetall-Komplexen, XXI [1] Isomerie und Dynamik von cis-Dicarbonyl-bis(η4-2-methyl-1.3-butadien)wolfram(0)**
Kreiter C. G., Özkar S.
Zeitschrift fur Naturforschung - Section B Journal of Chemical Sciences, cilt.38, sa.11, ss.1424-1430, 1983 (Scopus)

X. **Hindered Ligand Motions in Transition Metal Complexes, XII1 Tricarbonyl-η6-N-carbethoxyazepine-chromium(0), -molybdenum(0) and -tungsten(0) Gehinderte Ligandenbewegungen in Übergangsmetallkomplexen, XII1 Tricarbonyl-η6-N-carbäthoxyazepin-chrom(0), -molybdän(0) und -wolfram(0)**
Kreiter C. G., Özkar S.
Zeitschrift fur Naturforschung - Section B Journal of Chemical Sciences, cilt.32, sa.4, ss.408-412, 1977 (Scopus)

Kitap & Kitap Bölümleri

I. **Transition metal nanoparticles as catalyst in hydrogen generation from the boron based hydrogen storage materials**
ÖZKAR S.
New and Future Developments in Catalysis Batteries Hydrogen Storage and Fuel Cells, Steven L. Suib, Editör, Elsvier, Amsterdam, ss.165-189, 2013

II. **Preparation of Metal Nanoparticles Stabilized by the Framework of Porous Materials**
ZAHMAKIRAN M., ÖZKAR S.
Sustainable Preparation of Metal Nanoparticles Methods and Applications, R. Luque, R. S. Varma, Editör, RSC Publishing, Londrina, ss.33-66, 2012

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. **A Cost Analysis for Ammonia as a Hydrogen Carrier**
ASLAN M. Y., AKBAYRAK S., özkar S., ÜNER D.
8th International Advanced Technologies Symposium, Elazığ, Türkiye, 19 - 21 Ekim 2017

II. **Ammonia Synthesis Reaction On Ru Nanoparticles**
ASLAN M. Y., AKBAYRAK S., özkar S., ÜNER D.
6th natıonal catalysıs conference, Türkiye, 27 - 30 Nisan 2016

III. **Ruthenium catalyzed dehydrogenation and transfer hydrogenation reactions using dimethylamine borane as a hydrogen storage**
TANYILDIZI S., MORKAN İ., ÖZKAR S.
ACS 250th National Meeting, Boston, Amerika Birleşik Devletleri, 16 - 20 Ağustos 2015, ss.166

IV. **Nanohidroksiapatit yüzeyinde desteklenmiş ve hidrojen fosfat iyonu ile kararlılaştırılmış rodyum 0 nanoparçacıları katalizörlüğünde amonyak boranın metanolizinden hidrojen üretimi**
ÖZHAVA D., ÖZKAR S.
V. Ulusal Anorganik Kimya Kongresi, Mersin, Türkiye, 22 - 25 Nisan 2015

V. **Hidrojen kaynağı larak dimetilamin boran kullanılarak asetofenonun rutenyum III asetilaseoton eşliğinde katalitik atarım hidrojenlenmesi**
TANYILDIZI S., MORKAN İ., ÖZKAR S.
V. Ulusal Anorganik Kimya Kongresi, Mersin, Türkiye, 22 - 25 Nisan 2015

VI. **Is it single-metal homogeneous or polymetallic heterogeneous catalysis? Further investigation of the catalytically active species in benzene hydrogenation beginning with [RhCp*Cl 2] 2 via operando-XAFS, kinetic and poisoning studies**
Bayram E., Linehan J. C., Finke R. G., Fulton J., Roberts J. A. S., Smurthwaite T. D., Ozkar S., Szymczak N. K.
242nd ACS National Meeting and Exposition, Denver, CO, Amerika Birleşik Devletleri, 28 Ağustos - 01 Eylül 2011

VII. **Is it single-metal homogeneous or polymetallic heterogeneous catalysis? Further investigation of the catalytically active species in benzene hydrogenation beginning with [RhCp*Cl-2](2) via operando-XAFS, kinetic and poisoning studies**
Bayram E., Linehan J. C., Finke R. G., Fulton J., Roberts J. A. S., Smurthwaite T. D., ÖZKAR S., Szymczak N. K.
242nd National Meeting of the American-Chemical-Society (ACS), Colorado, Amerika Birleşik Devletleri, 28 Ağustos - 01 Eylül 2011, cilt.242

VIII. **Transition metal nanoparticles as catalyst in hydrogen generation from boron based compounds**
Zahamkiran M., Metin Ö., Ayvali T., Dinc M., ÖZKAR S.
241st ACS National Meeting and Exposition, Anaheim, CA, Amerika Birleşik Devletleri, 27 - 31 Mart 2011

IX. **Water-soluble poly(4-styrenesulfonic acid-co-maleic acid (-stabilized nickel(0) and cobalt(0) nanoclusters as highly active catalysts in hydrogen generation from the hydrolysis of ammonia-borane**
Metin Ö., ÖZKAR S.
2009 MRS Fall Meeting, Boston, MA, Amerika Birleşik Devletleri, 30 Kasım - 03 Aralık 2009, cilt.1217, ss.83-87

X. **Transition-metal nanoclusters: Synthesis, kinetics, and mechanism of formation, stability, and catalysis studies**
Finke R., Widegren J., Hornstein B., Ozkar S.
225th National Meeting of the American-Chemical-Society, NEW ORLEANS, LOUISIANA, 23 - 27 Mart 2003, cilt.225

XI. **DOUBLE ROTATION NA-23 NMR-STUDY OF GUEST-HOST INTERACTIONS AND NANOSCALE ASSEMBLIES IN SODIUM ZEOLITE-Y**
JELINEK R., ÖZKAR S., OZIN G.
SYMP ON MACROMOLECULAR HOST-GUEST COMPLEXES : OPTICAL AND OPTOELECTRONIC PROPERTIES AND APPLICATIONS, AT THE 1992 SPRING MEETING OF THE MATERIALS RESEARCH SOC, San-Francisco, Kostarika, 27 - 28 Nisan 1992, cilt.277, ss.113-118

XII. **INTRAZEOLITE SEMICONDUCTOR QUANTUM DOTS AND QUANTUM SUPRALATTICES - NEW MATERIALS FOR NONLINEAR OPTICAL APPLICATIONS**

OZIN G., KIRKBY S., MESZAROS M., ÖZKAR S., STEIN A., STUCKY G.
SYMP AT THE 199TH NATIONAL MEETING OF THE AMERICAN CHEMICAL SOC - MATERIALS FOR NONLINEAR OPTICS : CHEMICAL PERSPECTIVES, Massachusetts, Amerika Birleşik Devletleri, 22 - 27 Nisan 1990, cilt.455, ss.554-581

XIII. **DOPING AND BAND-GAP ENGINEERING OF AN INTRAZEOLITE TUNGSTEN(VI) OXIDE SUPRALATTICE**
OZIN G., MALEK A., PROKOPOWICZ R., MACDONALD P., ÖZKAR S., MOLLER K., BEIN T.
SYMP AT THE 1991 SPRING MEETING OF THE MATERIALS RESEARCH SOC : SYNTHESIS/CHARACTERIZATION AND NOVAL APPLICATIONS OF MOLECULAR SIEVE MATERIALS, California, Amerika Birleşik Devletleri, 1 - 03 Mayıs 1991, cilt.233, ss.109-118

Desteklenen Projeler

ÖZKAR S., GÖKAĞAÇ ARSLAN G., AKBAYRAK S., YILMAZ A., NALBANT ESENTÜRK E., KAYRAN İŞÇİ C., Yükseköğretim Kurumları Destekli Proje, Serya destekli rutenyum nanokümeleri: Sentezi, tanımlanması ve amonyak boranın hdirolizinden hidrojen üretiminde katalitik etkinliğinin incelenmesi, 2016 - 2016
ÖZKAR S., Yükseköğretim Kurumları Destekli Proje, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2016
ÖZKAR S., GÖKAĞAÇ ARSLAN G., YILMAZ A., NALBANT ESENTÜRK E., KAYRAN İŞÇİ C., Yükseköğretim Kurumları Destekli Proje, Hidrojen Üretiminde Formik Asidin Dehidrojenlenmesini Katalizleyecek Metal Nanokümelerinin Hazırlanması, Tanımlanması ve Katalitik Performanslarının İncelenmesi, 2015 - 2015
ÖZKAR S., Yükseköğretim Kurumları Destekli Proje, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014
ÖZKAR S., Yükseköğretim Kurumları Destekli Proje, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014
ÖZKAR S., Yükseköğretim Kurumları Destekli Proje, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014
ÖZKAR S., Yükseköğretim Kurumları Destekli Proje, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014
ÖZKAR S., Yükseköğretim Kurumları Destekli Proje, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014
ÖZKAR S., ÖZHAVA D., Yükseköğretim Kurumları Destekli Proje, ZEOLİT YAPISIYLA KARARLILAŞTIRILMIŞ METAL (0) NANOPARÇACIKLARININ HAZIRLANMASI, KARAKTERİZASYONU; HİDRAZİN BORANİN HİDROLİZİNDEN HİDROJEN ÜRETİMİNDE KATALİTİK KULLANIMI, 2013 - 2013
ÖZKAR S., ŞENCANLI S., Yükseköğretim Kurumları Destekli Proje, POLY (4-STYRENESULFONIC ACID-CO-MALEIC ACİD) İLE KARARLAŞTIRILMIŞ NİKEL (0) NANOPARÇACIKLARI: HİDRAZİN BORAN'DAN HİDROLİZ İLE HİDROJEN ÜRETİMİNDE OLDUKÇA AKTİF VE UCUZ KATALİZÖR, 2013 - 2013
ÖZKAR S., DİNÇ M., Yükseköğretim Kurumları Destekli Proje, SUDA ÇÖZÜNÜR İYONİK POLİMERLE KARARLILAŞTIRLMIŞ GEÇİŞ METAL (0) NANOPARÇACIKLARI: AMONYAK BORAN HİDROLİZİNDEN HİDROJEN ELDESİNDE KULLANILAN, OLDUKÇA AKTİF VE KARARLI KATALİZÖR, 2013 - 2013
ÖZKAR S., AKBAYRAK S., Yükseköğretim Kurumları Destekli Proje, KARBON NANOTÜPLERLE DESTEKLENMİŞ MANYETİK RUTENYUM-COBALT METAL NANOKÜMELERİNİN HAZIRLANMASI VE KATALİZÖR OLARAK AMONYAK BORANDAN HİDROJEN ELDESİNDE KULLANILMASI, 2013 - 2013

Metrikler

Yayın: 328
Atıf (WoS): 12049
Atıf (Scopus): 9841
H-İndeks (WoS): 61
H-İndeks (Scopus): 56

Akademi Dışı Deneyim

METU, Department of Chemistry

METU, Department of Chemistry
METU, Department of Chemistry
METU, Deaprtment of Chemistry
METU, Department of Chemistry