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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Eskişehir Osmangazi Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Dr), Türkiye 2013 - 2016

Yüksek Lisans, Eskişehir Osmangazi Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Türkiye 2011 - 2013

Lisans, Ankara Üniversitesi, Fen Fakültesi, Kimya Bölümü, Türkiye 2003 - 2008

Yaptığı Tezler

Doktora, 3,3',5,5'-azobenzenetetrakarboxilat ve bazı bis(imidazol) türevi ligantlar ile çinko(II) ve kadmiyum(II)-koordinasyon polimerlerinin sentezi, yapılarının aydınlatılması ve bazı potansiyel uygulamaları, Eskişehir Osmangazi Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Dr), 2016

Yüksek Lisans, 3,3'-Tiyodipropiyonik asit ile karışık ligantlı bazı geçiş metal komplekslerinin sentezi ve yapısal özelliklerinin incelenmesi, Eskişehir Osmangazi Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 2013

Araştırma Alanları

Kimya, İnorganik Kimya, Koordinasyon Kimyası, Temel Bilimler

Akademik Unvanlar / Görevler

Doç.Dr., Eskişehir Osmangazi Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2019 - Devam Ediyor

Dr.Öğr.Üyesi, Eskişehir Osmangazi Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2019 - 2019

Araştırma Görevlisi, Eskişehir Osmangazi Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2011 - 2019

Araştırma Görevlisi, Yıldız Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2011 - 2011

Verdiği Dersler

KİMYA, Lisans, 2017 - 2018

İŞ SAĞLIĞI VE GÜVENLİĞİ, Lisans, 2017 - 2018

METALLER KİMYASI, Lisans, 2017 - 2018

İŞ SAĞLIĞI VE GÜVENLİĞİ I, Lisans, 2017 - 2018

İŞ SAĞLIĞI VE GÜVENLİĞİ II, Lisans, 2017 - 2018

ANORGANİK REAKSİYON MEKANİZMALARI, Lisans, 2016 - 2017

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayımlanan Makaleler

- I. **Synthesis and characterization of four coordination compounds with 3,5-dicarboxy-1-(3-cyanobenzyl)pyridin-1-ium bromide and investigation of the photoreaction of 2D cadmium(II) compound**
Okman B., ARICI M., YEŞİLEL O. Z.
Polyhedron, cilt.252, 2024 (SCI-Expanded)
- II. **Multifunctional Anionic Zn(II)-MOF for Selective CO₂ Adsorption, Cationic Dye Removal, and Luminescence-Based pH Sensing**
Kavak E., Şevik M., Değirmenci G., Alp Arici T., ÖZDEMİR R., ARICI M.
Crystal Growth and Design, cilt.24, sa.6, ss.2415-2424, 2024 (SCI-Expanded)
- III. **Copper(II) and Zinc(II) coordination polymers based on glutaric acid and 1,2-bis(4-pyridyl)ethylene: Hydrothermal synthesis, characterization and thermal behaviors**
Arslan Biçer F., Tataş Coşkun F., Salun B., Özdemir İ., ARICI M., YEŞİLEL O. Z.
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- IV. **A luminescent anionic Cadmium(II)-MOF for the detection of nitrophenol compounds and metal ions in an aqueous solution**
Kavak E., Şevik M., Arıcı M.
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- V. **Synthesis and Characterization of Cobalt(II) and Zinc(II) Coordination Polymers Constructed from Bis(isophthalic acid) and Bis(1,2,4-triazole) Linkers**
Erer H., Demir S., Karaman B., Arıcı M., Yeşilel O. Z.
Journal of Inorganic and Organometallic Polymers and Materials, cilt.33, sa.8, ss.2386-2398, 2023 (SCI-Expanded)
- VI. **Syntheses, characterization of three new cobalt(II) complexes with 2-phenylsuccinic acid and flexible bis(imidazole) linkers**
Arslan Biçer F., Arıcı M., Yeşilel O. Z.
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- VII. **Stable Two-Fold Interpenetrated Cd(II)-MOF for Selective Dye Adsorption and Luminescence Detection of Hydroxyl-Substituted Nitroaromatic Compounds**
Sevik M., Sezdi S. M., Kavak E., Arici T. A., ARICI M.
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- VIII. **Synthesis, characterization and dye adsorption property of a 2D nickel(ii)-coordination polymer constructed from tetracarboxylic acid and 1,3-bis(imidazol-1-yl-methyl)benzene**
Ciftci E., Alp Arici T., ARICI M., ERER H., YEŞİLEL O. Z.
CRYSTENGCOMM, cilt.24, sa.42, ss.7440-7446, 2022 (SCI-Expanded)
- IX. **A series of coordination polymers constructed by 2-phenylsuccinic acid and flexible bis(imidazole) ligands: Syntheses, structures, and photoluminescent properties**
YEŞİLEL O. Z., Güler U., Çiftçi E., ARICI M.
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- X. **Synthesis, characterization, and optical properties of four coordination polymers with 3,5-dicarboxy-1-(4-cyanobenzyl)pyridin-1-ium bromide**
KAYA M., DEMİR S., ARICI M., Wriedt M., YEŞİLEL O. Z.
POLYHEDRON, cilt.221, 2022 (SCI-Expanded)
- XI. **Synthesis, characterization and dye adsorption properties of a 3-fold interpenetrated cobalt(II)-metal organic framework based on (E)-5,5'-(but-2-ene-1,4-diylbis(oxy))diisophthalate and 1,4-bis(imidazole-1-yl)butane ligands**

- Çiftçi E., Alp Arıcı T., ARICI M., ERER H., YEŞİLEL O. Z.
Journal of Solid State Chemistry, cilt.311, 2022 (SCI-Expanded)
- XII. **Zinc(II)-Coordination Polymers Based on Isomeric Azo-Containing Anionic and Neutral Linkers**
Arici M., Yeşilel O. Z.
Journal of Inorganic and Organometallic Polymers and Materials, cilt.32, sa.5, ss.1582-1590, 2022 (SCI-Expanded)
- XIII. **Synthesis and characterization of cerium(III), praseodymium(III), gadolinium(III) and erbium(III) coordination polymers with zwitterionic ligand**
Aghamohammadi P., Büyükgüngör O., ARICI M., Wriedt M., YEŞİLEL O. Z.
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- XIV. **A series of three dimensional lanthanoid(III)-metal-organic frameworks with zwitterionic linker**
Aghamohammadi P., ARICI M., Büyükgüngör O., Wriedt M., YEŞİLEL O. Z.
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- XV. **Synthesis and characterization of Manganese(II), Cobalt(II) and Copper(II) coordination polymers with a flexible zwitterionic based ligand**
Çiftçi E., ARICI M., Wriedt M., YEŞİLEL O. Z.
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- XVI. **Synthesis, characterization, optical and electrochemical performances of 3-fold interpenetrated Copper(II) coordination polymer with a flexible zwitterionic ligand**
Çiftçi E., ARICI M., Demir E., Demir-Cakan R., Wriedt M., YEŞİLEL O. Z.
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- XVII. **Cobalt(II), Zinc(II) and Cadmium(II) Coordination Polymers Assembled by Flexible 5,5'-(But-2-ene-1,4-diylbis(oxy))diisophthalic Acid and 1,2-Bis((1H-imidazol-1-yl)methyl)benzene Ligands**
Çiftçi E., ERER H., ARICI M., YEŞİLEL O. Z.
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, cilt.31, sa.6, ss.2436-2444, 2021 (SCI-Expanded)
- XVIII. **The Effect of Metal Salts on The Structures of 2,2-Dimethylglutarate Complexes with a Flexible 1,4-bis(imidazol-1-ylmethyl)-2,3,5,6-tetramethylbenzene**
Köse Yaman P., ARICI M., ERER H., YEŞİLEL O. Z.
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- XIX. **Two Copper(II) coordination polymers constructed from 3, 3-dimethylglutarate and citrate ligands**
Çiftçi E., Kaya M., Arıcı M., Yeşilel O. Z.
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- XX. **A water-stable 2D+2D -> 3D polycatenated coordination polymer for selective adsorption of methylene blue and detection of Fe³⁺ ion from aqueous solution**
Arici T. A., YEŞİLEL O. Z., ARICI M.
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- XXI. **Cobalt(II) and zinc(II)-coordination polymers constructed from ether-linked tetracarboxylic acid and isomeric bis(imidazole) linkers: luminescence-based Fe(m) detection in aqueous media**
ARICI M., Dikilitas Y. C., ERER H., YEŞİLEL O. Z.
CRYSTENGCOMM, cilt.22, sa.35, ss.5776-5785, 2020 (SCI-Expanded)
- XXII. **A porous Zn(II)-coordination polymer based on a tetracarboxylic acid exhibiting selective CO₂ adsorption and iodine uptake**
ARICI M., Arici T. A., Demiral H., TAŞ M., YEŞİLEL O. Z.
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- XXIII. **Cd(II)-coordination polymers with isophthalic acid bearing a hydroxyphenylazo group and substituted bis(imidazole) linkers**
ARICI M., SEMERCİ F., Guclu Y., YEŞİLEL O. Z.
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- XXIV. **Effect of ligand flexibility on dimensionality in cadmium(II)-2,2-dimethylglutarate complexes**
Yaman P. K., ERER H., ARICI M., YEŞİLEL O. Z.
JOURNAL OF COORDINATION CHEMISTRY, cilt.73, sa.3, ss.404-416, 2020 (SCI-Expanded)

- XXV. **Coordination polymers based on 3,3-dimethylglutarate and 1,4-bis((1H-imidazol-1-yl)methyl)benzene: Hydrothermal synthesis and characterizations**
ARICI M., ERER H., Karacam S., YEŞİLEL O. Z.
JOURNAL OF SOLID STATE CHEMISTRY, cilt.277, ss.811-818, 2019 (SCI-Expanded)
- XXVI. **Three Co(II) coordination polymers constructed from 2,5-di(4-pyridyl)thiazolo[5,4-d]thiazole and V-shaped dicarboxylic acids: Syntheses, characterizations, structural diversity and optical properties**
ARICI M., YEŞİLEL O. Z., DEGE N.
POLYHEDRON, cilt.163, ss.77-83, 2019 (SCI-Expanded)
- XXVII. **Hydrothermal synthesis and characterization of two dimensional coordination polymers with 2,2'-dimethylglutarate and 1,2-bis(imidazol-1-ylmethyl)benzene**
Yaman P. K., ERER H., ARICI M., Erucar I., YEŞİLEL O. Z.
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- XXVIII. **Multifunctional luminescent coordination polymers based on tricarboxylic acid for the detection of 2,4-dinitrophenol and iron(iii) and aluminum(iii) ions**
ARICI M.
NEW JOURNAL OF CHEMISTRY, cilt.43, sa.9, ss.3690-3697, 2019 (SCI-Expanded)
- XXIX. **The structures and properties of zinc(II) and cadmium(II) coordination polymers based on semi-rigid phenylenediacetate and 1,4-bis(2-methylimidazol-1-ylmethyl)benzene linkers**
SEZER G. G., ARICI M., Rixson D., Burrows A. D., YEŞİLEL O. Z., ERER H.
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- XXX. **Five metal-organic frameworks based on isomeric chloro-functionalized azobenzenedicarboxylic acids**
ARICI M.
POLYHEDRON, cilt.154, ss.465-472, 2018 (SCI-Expanded)
- XXXI. **Construction, Structural Diversity and Properties of Five Coordination Polymers Based on 5-Nitroisophthalate and Bis(imidazole) Linkers**
ARICI M.
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- XXXII. **Three Co(II)-coordination polymers based on 5-tert-butyl isophthalic acid and isomeric Bis(imidazole) ligands: Synthesis, optical and magnetic properties**
ARICI M., YEŞİLEL O. Z., BÜYÜKGÜNGÖR O., YERLİ Y.
POLYHEDRON, cilt.142, ss.9-15, 2018 (SCI-Expanded)
- XXXIII. **Zinc(II) and cadmium(II) coordination polymers containing phenylenediacetate and 4,4'-azobis(pyridine) ligands: Syntheses, structures, dye adsorption properties and molecular dynamics simulations**
SEZER G. G., ARICI M., Erucar I., YEŞİLEL O. Z., Ozel H. U., GEMİCİ B. T., ERER H.
JOURNAL OF SOLID STATE CHEMISTRY, cilt.255, ss.89-96, 2017 (SCI-Expanded)
- XXXIV. **Luminescent 2D+2D -> 2D Interpenetrated Zn(II)-Coordination Polymer Based on Reduced Schiff Base Tricarboxylic Acid and Bis(imidazole) Ligand for Detection of Picric Acid and Fe³⁺ Ions**
ARICI M.
CRYSTAL GROWTH & DESIGN, cilt.17, sa.10, ss.5499-5505, 2017 (SCI-Expanded)
- XXXV. **Synthesis, characterization and properties of nicotinamide and isonicotinamide complexes with diverse dicarboxylic acids**
ARICI M., YEŞİLEL O. Z., Acar E., DEGE N.
POLYHEDRON, cilt.127, ss.293-301, 2017 (SCI-Expanded)
- XXXVI. **CO₂ and Iodine Uptake Properties of Co(II)-Coordination Polymer Constructed from Tetracarboxylic Acid and Flexible Bis(imidazole) Linker**
ARICI M., YEŞİLEL O. Z., TAŞ M., Demiral H.
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- XXXVII. **Four coordination polymers based on 5-tert-butyl isophthalic acid and rigid bis(imidazol-1-yl)benzene linkers: Synthesis, luminescence detection of acetone and optical properties**

- ARICI M., YEŞİLEL O. Z., BÜYÜKGÜNGÖR O.
 JOURNAL OF SOLID STATE CHEMISTRY, cilt.249, ss.141-148, 2017 (SCI-Expanded)
- XXXVIII. **Cd(II)-coordination polymers based on tetracarboxylic acid and diverse bis(imidazole) ligands: Synthesis, structural diversity and photoluminescence properties**
 ARICI M., YEŞİLEL O. Z., TAŞ M.
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- XXXIX. **Construction, Structural Diversity, and Properties of Seven Zn(II)-Coordination Polymers Based on 3,3',5,5'-Azobenzenetetracarboxylic Acid and Flexible Substitute Bis(imidazole) Linkers**
 ARICI M., YEŞİLEL O. Z., TAŞ M., Demiral H., ERER H.
 CRYSTAL GROWTH & DESIGN, cilt.16, sa.9, ss.5448-5459, 2016 (SCI-Expanded)
- XL. **Temperature-controlled formation of two Zn(II)-coordination polymers based on flexible o-phenylenediactic acid and rigid 1,4-bis(imidazol-1-yl)benzene**
 Sezer G. G., YEŞİLEL O. Z., ARICI M., ERER H.
 POLYHEDRON, cilt.102, ss.514-520, 2015 (SCI-Expanded)
- XLI. **Effect of Solvent Molecule in Pore for Flexible Porous Coordination Polymer upon Gas Adsorption and Iodine Encapsulation**
 ARICI M., YEŞİLEL O. Z., TAŞ M., Demiral H.
 INORGANIC CHEMISTRY, cilt.54, sa.23, ss.11283-11291, 2015 (SCI-Expanded)
- XLII. **Hydrothermal synthesis and characterization of Zn(II), Cd(II) and Ag(I)-saccharinate complexes containing bis(imidazol) derivatives**
 ERER H., Karacam S., ARICI M., YEŞİLEL O. Z., ÇELİK Ö.
 POLYHEDRON, cilt.98, ss.180-189, 2015 (SCI-Expanded)
- XLIII. **A Series of Zinc(II) 3D -> 3D Interpenetrated Coordination Polymers Based On Thiophene-2,5-dicarboxylate and Bis(Imidazole) Derivative Linkers**
 ERER H., YEŞİLEL O. Z., ARICI M.
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- XLIV. **Coordination Polymers Assembled From 3,3',5,5'-Azobenzenetetracarboxylic Acid and Different Bis(imidazole) Ligands with Varying Flexibility**
 ARICI M., YEŞİLEL O. Z., Tas M.
 CRYSTAL GROWTH & DESIGN, cilt.15, sa.6, ss.3024-3031, 2015 (SCI-Expanded)
- XLV. **Naked-eye detection and thermochromic properties of Cu(II)-3,3'-thiodipropionate complexes with benzimidazole**
 ARICI M., YEŞİLEL O. Z., TAŞ M.
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- XLVI. **One- and three-dimensional silver(I)-5-sulfosalicylate coordination polymers having ligand-supported and unsupported argentophilic interactions**
 ARICI M., YEŞİLEL O. Z., Yesiloz Y., ŞAHİN O.
 JOURNAL OF SOLID STATE CHEMISTRY, cilt.220, ss.70-78, 2014 (SCI-Expanded)
- XLVII. **Novel soluble octa-substituted phthalocyanines bearing chloro and long alkyl chain containing fluorine: Synthesis, characterization and photophysical and photochemical properties**
 ERDOĞMUŞ A., ARICI M.
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- XLVIII. **Electrochemical and spectroelectrochemical properties of methylenedioxy-phenoxy-substituted novel lutetium (III) mono- and bis-phthalocyanines**
 Bozoglu C., ARICI M., Ugur A. L., ERDOĞMUŞ A., KOCA A.
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- XLIX. **Dinuclear and polynuclear copper(II) complexes with 3,3'-thiodipropionate and unprecedented coordination mode**
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- L. **Gas adsorption/separation properties of metal directed self-assembly of two coordination polymers**

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JOURNAL OF SOLID STATE CHEMISTRY, cilt.210, sa.1, ss.280-286, 2014 (SCI-Expanded)

- L.I. **2D -> 3D polycatenated and 3D -> 3D interpenetrated metal-organic frameworks constructed from thiophene-2,5-dicarboxylate and rigid bis(imidazole) ligands**
ERER H., YEŞİLEL O. Z., ARICI M., Keskin S., BÜYÜKGÜNGÖR O.
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- L.II. **Two dimensional coordination polymers with 3,3 '-thiodipropionate: An unprecedented coordination mode and strong hydrogen-bond network**
ARICI M., YEŞİLEL O. Z., ŞAHİN O., BÜYÜKGÜNGÖR O.
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- L.III. **Electrochemical and spectroelectrochemical properties of novel lutetium(III) mono- and bis-phthalocyanines**
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- L.IV. **The synthesis, characterization, and theoretical hydrogen gas adsorption properties of copper(II)-3,3 '-thiodipropionate complexes with imidazole derivatives**
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- L.V. **Effects of peripheral and nonperipheral substitution to the spectroscopic, electrochemical and spectroelectrochemical properties of metallophthalocyanines**
Arıcan D., ARICI M., Ugur A. L., ERDOĞMUŞ A., KOCA A.
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- L.VI. **Electrochemical and spectroelectrochemical characterization of newly synthesized manganese, cobalt, iron and copper phthalocyanines**
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- L.VII. **A three-dimensional silver(I) framework assembled from 3,3 '-thiodipropionate: Synthesis, structure and molecular simulations for hydrogen gas adsorption**
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- L.VIII. **Investigation of Sn-Zn electrodeposition from acidic bath on EQCM**
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Diğer Dergilerde Yayınlanan Makaleler

- I. **Bir boyutlu (1D) 5-nitroisofthalat Cu(II) ve Cd(II)-koordinasyon polimerlerininhidrotermal sentezi ve karakterizasyonu**
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- II. **Hydrothermal Syntheses, Crystal Structures, and Properties of 1DCoordination Polymers Based on 5-Nitroisophthalic Acid and 1-Methylimidazole Linkers**
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- III. **Interaction of Nonsteroidal Anti Inflammatory Drug Naproxen Sodium with DNA by Electrochemical and Spectroscopic Methods**
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- IV. **N N Bis salisiliden 1 3 propandiaminato nikel II Kompleksinin Sentezi ve DNA Etkisinin İncelenmesi**

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **3,5-Dikarboksi-1-(4-siyanobenzil)piridinyum Zwitteriyonik Ligant ile Dört Koordinasyon Polimerinin Sentezi, Karakterizasyonu ve Optik Özellikleri**
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- II. **SYNTHESIS AND CHARACTERIZATION OF 3D COORDINATION POLYMERS WITH TETRACARBOXYLATE AND SUBSTITUED BIS(IMIDAZOLE) LIGANDS**
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- III. **Fonksiyonelleştirilmiş Yüzeyle Sahip Üç Kat İç İç Geçmiş Zn(II)-Gözenekli Koordinasyon Polimerleri: Sentez ve Karakterizasyonu**
KARAMAN B., ARICI M., ERER H., YEŞİLEL O. Z.
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- IV. **Tetrakarboksilat ve Bis(Triazol) Türevi Ligantlar ile Sentezlenen Fonksiyonel Koordinasyon Polimerleri**
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- V. **Simetrik Tetrakarboksilik Asit ile İki ve Üç Boyutlu Çinko(II) Koordinasyon Polimerinin Sentezi ve Karakterizasyonu**
DİKİLİTAŞ C., ARICI M., ERER H., YEŞİLEL O. Z.
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- VI. **Üç Boyutlu (3D) Cd(II)-Koordinasyon Polimerlerinin Sentezi, Karakterizasyonu ve Lüminesans Özellikleri**
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- LXXXIII. **Bakır Korozyonunun EQCM İle İncelenmesi**
NAZIR H., ARICI M., SÖNMEZ M.
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Yeşilel O. Z., Arıcı M., Görgün K., TÜBİTAK Projesi, Tiyoferen ile fonksiyonel hale getirilmiş simetrik isoftalat ligandlarıyla metal-organik kafes (MOF) yapıların sentezi, karakterizasyonu ve metan adsorplama kapasitelerinin araştırılması, 2024 - 2026

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