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Biyografi

Atif KOCA is a full professor of Chemical Engineering and Director of Electrochemical Technologies and Energy Laboratory in the Faculty of Engineering at Marmara University. He is a member of Turkish Academy of Sciences. Renowned for his pioneering works in the area of renewable energy technologies and electrochemical technologies he has authored and co-authored in more than two thousands refereed journal and conference papers. He has chaired many national and international conferences, symposia, workshops and technical meetings. He has actively been working in the areas of hydrogen energy, catalytic processes and electrochemical technologies, and his group has developed various novel technologies/methods/etc.

Öğrenim Bilgisi

Doktora 1998 - 2002	Marmara Üniversitesi, Fen Bilimleri Enstitüsü, Fizikokimya (Dr), Türkiye
Yüksek Lisans 1996 - 1998	Marmara Üniversitesi, Fen Bilimleri Enstitüsü, Fizikokimya (YI) (Tezli), Türkiye
Lisans 1990 - 1995	Marmara Üniversitesi, Atatürk Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, Türkiye

Yabancı Diller

İngilizce, B2 Orta Üstü

Yaptığı Tezler

Doktora, Bazı porfirazin komplekslerinin voltametrik incelenmesi, Marmara Üniversitesi, Fen Bilimleri Enstitüsü, Fizikokimya (Dr), 2002

Yüksek Lisans, Hidrojen (H₂) üretimi ve yakıt olarak kullanımı, Marmara Üniversitesi, Fen Bilimleri Enstitüsü, Fizikokimya (YI) (Tezli), 1998

Akademik Unvanlar / Görevler

Prof.Dr.
2013 - Devam Ediyor

Marmara Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü

Doç.Dr.
2007 - 2013

Marmara Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü

Yrd.Doç.Dr.
2002 - 2007

Marmara Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü

Araştırma Görevlisi
1996 - 2002

Marmara Üniversitesi, Atatürk Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü

Desteklenen Projeler

1. Koca A., Yükseköğretim Kurumları Destekli Proje, Titanil ftalosiyanın Elektropolimeri temelli Seçici Flörür Sensör Elektrodu, 2018 - 2019
2. Koca A., Akyüz D., Yükseköğretim Kurumları Destekli Proje, Fotokatalitik Hidrojen Üretimi İçin Aktif Fotokatalizörlerin Sentezi, 2017 - 2019
3. Koca A., Özkaya A. R., Karaca Albayrak F., Sarioğlu C., TÜBİTAK Projesi, Fotoelektrokimyasal-Fotokatalitik Hidrojen Üretim Reaksiyonları (PEPCHER) ile Saf Hidrojen Üretimi, 2017 - 2019
4. Koca A., Yükseköğretim Kurumları Destekli Proje, FTALOSİYANİN KOMPLEKSLERİNİN ELEKTROKROMİK ÖZELLİKLERİNİN İNCELENMESİ, 2018 - 2018
5. Koca A., Yargı Ö., TÜBİTAK Projesi, Yüksek Enerji Yoğunluklu Asimetrik Süperkapasitör Üretimi, 2016 - 2018
6. Koca A., Sesal N. C., TÜBİTAK Projesi, Marmara Doğa Bilimlerine Yönelik Araştırma Projesi Hazırlama Eğitimi, 2017 - 2017
7. Koca A., Sesal N. C., Yükseköğretim Kurumları Destekli Proje, AHL Moleküllerinin Elektrokimyasal Metod İle Algılanması, 2016 - 2017
8. Koca A., Yükseköğretim Kurumları Destekli Proje, Kompozit Elektrotların Modifikasyonu Karakterizasyonu ve Biyosensör Uygulamaları, 2016 - 2017
9. Koca A., TÜBİTAK Uluslararası İkili İşbirliği Projesi, Synthesis And Characterization Of Conductive Electroactive Polymers And Their Usability For Metallization Of Plastics, 2015 - 2017
10. Koca A., Bayır Z., TÜBİTAK Projesi, Polimerleşebilir Sübstitüentler İçeren Ftalosiyanın İletkenlik Gaz Sensör ve Elektrokatalitik Özellikleri, 2015 - 2017
11. Koca A., AB Destekli Diğer Projeler, Metalliftalosiyanın temelli iletken redoks aktif polimerlerin geliştirilmesi ve elektrokimyasal pestisit sensörü olarak kullanımları, 2015 - 2017
12. Koca A., TÜBİTAK Projesi, Fotokatalitik Elektrokatalitik İkili Hidrojen Üretim Sistemi, 2014 - 2017
13. Koca A., TÜBİTAK Projesi, ELEKTROKATALİTİK HİDROJEN ÜRETİMİ, 2015 - 2016
14. Koca A., Balun Kayan D., TÜBİTAK Projesi, İletken Polimer Metal Nanokompozit Yapılarının Hidrojen Üretiminde Elektrokatalitik Aktivitelerinin İncelenmesi, 2014 - 2016
15. Koca A., Yükseköğretim Kurumları Destekli Proje, Elektrokimyasal olarak polimerleştirilen Metalli ftalosiyanın Elektrokromik özellikleri, 2014 - 2015
16. Koca A., TÜBİTAK Projesi, Ftalosiyanın Elektrokimyasal ve Spektrokimyasal Özelliklerinin Araştırılması, 2014 - 2015
17. Koca A., Yükseköğretim Kurumları Destekli Proje, Fonksiyonel Ftalosiyanın temelli modifiye elektrotların hazırlanması karakterizasyonu ve teknolojiye uygulama alanlarının belirlenmesi, 2013 - 2015
18. Koca A., Ünsal Y., Diğer Resmi Kurumlarca Desteklenen Proje, Eğitimde İşbirliği(MEB, Bilim, Sanayi ve Teknoloji Bakanlığı ve TÜBİTAK), 2012 - 2015
19. Koca A., Yükseköğretim Kurumları Destekli Proje, ChE Biyosensörünün Pestisit Tayinindeki Hassasiyetinin Farklı

Kompozit Elektrotlar Kullanılarak Geliştirilmesi, 2011 - 2015

20. Koca A., TÜBİTAK Projesi, Elektrokromik Substituentler İçeren Ftalosiyanın Komplekslerinin Polielektrokromik Özelliklerinin İncelenmesi Ve Elektrokromik Görüntüleme Cihazlarında Uygulamaları, 2011 - 2013
21. Koca A., Kandaz M., TÜBİTAK Projesi, Floresans Fonksiyonel Gruplar İçeren Ftalosiyanın Sentezi Sol jel Polimerik Matrisi İnce Filmlerinin Hazırlanması ve Sensör Olarak Kullanılması, 2008 - 2010
22. Koca A., TÜBİTAK Projesi, Hidrojen Üretiminde Ftalosiyanın Komplekslerinin Elektrokatalitik Aktivitelerinin İncelenmesi, 2006 - 2009
23. Koca A., TÜBİTAK Projesi, Ftalosiyanın ve Porfirazin gibi Makrosiklik Komplekslerin Elektrokimyasal Spektroelektrokimyasal ve elektrokatalitik özelliklerinin incelenmesi, 2005 - 2006
24. Koca A., Kandaz M., TÜBİTAK Projesi, Optik ve Elektrokromik ve Sensör Özellik Taşıyan Yeni Tip Makromoleküllerin Hazırlanması, 2003 - 2005

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

1. **Polyindole coated NiCo2S4 composites as high-performance supercapacitor electrode materials**
Otluca H. E., BUDAK Ö., BİLİCİ A., KOCA A.
Journal of Energy Storage, cilt.86, 2024 (SCI-Expanded)
2. **Electrochemical, spectroelectrochemical, and electrochromic characterization of silicon(IV) phthalocyanine with axially ligated electropolymerizable 3,4-ethylenedioxythiophene moieties**
Yıldız B., BUDAK Ö., KOCA A., ŞENER M. K.
Dyes and Pigments, cilt.223, 2024 (SCI-Expanded)
3. **Synthesis, characterization, electrochemistry and spectroelectrochemistry of new peripherally substituted lutetium bis phthalocyanines**
Kılıçarslan F. A., ERDOĞMUŞ A., BUDAK Ö., KOCA A.
Inorganica Chimica Acta, cilt.561, 2024 (SCI-Expanded)
4. **B, P, and S heteroatom doped, bio- and hemo-compatible 2D graphitic-carbon nitride (g-C3N4) with antioxidant, light-induced antibacterial, and bioimaging endeavors**
Demirci S., Suner S. S., Neli Ö., KOCA A., ŞAHİN N.
Nanotechnology, cilt.35, sa.2, 2024 (SCI-Expanded)
5. **Electrochromic molecular imprinted polymer sensor for detection of selective acetamiprid**
Mutlu E., Şenocak A., Demirbaş E., KOCA A., Akyüz D.
Microchemical Journal, cilt.196, 2024 (SCI-Expanded)
6. **Metal Phthalocyanine Sensitized Photoelectrochemical Cell Assembling with Azide-Functionalized Reduced Graphene and Quaternary Metal Chalcogenide Composites**
Ezgi Varol D., UĞUZ NELİ Ö., BUDAK Ö., KESKİN B., KOCA A.
ChemElectroChem, 2024 (SCI-Expanded)
7. **Electrochemistry and in-situ spectroelectrochemistry properties of N-, S-substituted-1,4-naphthoquinone compounds (NQ's)**
Ozyildiz Z., Erkan C., DENİZ N. G., GÖKMEN Z., Neli Ö. U., KOCA A.
Journal of Electroanalytical Chemistry, cilt.950, 2023 (SCI-Expanded)
8. **Investigation of electrochemical and spectroelectrochemical properties of some amino-substituted naphthoquinones (NQs)**
Ozyildiz Z., Gezer D., DENİZ N. G., GÖKMEN Z., Neli Ö. U., KOCA A.
Journal of Electroanalytical Chemistry, cilt.946, 2023 (SCI-Expanded)
9. **Influence of 2-naphthoic acid anchoring groups to the photovoltaic performance of zinc phthalocyanine-based photosensitizers in dye-sensitized solar cell**
Köse G. G., Karaoğlu G. K., Maden Y., KOCA A.
Journal of Electroanalytical Chemistry, cilt.945, 2023 (SCI-Expanded)
10. **Chloromanganese and oxo-Titanium (IV) phthalocyanines: Synthesis, electrochemistry and Spectroelectrochemistry**

DİLBER G., NAS A., BUDAK Ö., KOCA A.

Polyhedron, cilt.242, 2023 (SCI-Expanded)

11. **Improved photoelectrochemical hydrogen production performance of reduced graphene oxide-cadmium zinc sulfoselenide photoelectrodes prepared by a Facile In-situ Electrosynthesis method**
NELİ Ö. U., BUDAK Ö., KOCA A.
Electrochimica Acta, cilt.458, 2023 (SCI-Expanded)
12. **Effects of anchoring and spacer groups of asymmetric zinc phthalocyanines on the photovoltaic performance of dye-sensitized solar cells**
Köse G. G., Karaoğlu G. K., Maden Y., KOCA A.
New Journal of Chemistry, cilt.47, sa.28, ss.13497-13507, 2023 (SCI-Expanded)
13. **Structural, physicochemical and anticancer study of Zn complexes with pyridyl-based thiazolyl-hydrazones**
Araškov J. B., Maciejewska N., Olszewski M., Višnjevac A., Blagojević V., Fernandes H. S., Sousa S. F., Puerta A., Padrón J. M., Holló B. B., et al.
Journal of Molecular Structure, cilt.1281, 2023 (SCI-Expanded)
14. **Design of novel metal chalcogenide photoanodes supported with reduced graphene oxide for improvement of photoelectrochemical hydrogen evolution**
Neli Ö., BUDAK Ö., KARACA ALBAYRAK F., KESKİN B., ÖZKAYA A. R., KOCA A.
Journal of Photochemistry and Photobiology A: Chemistry, cilt.440, 2023 (SCI-Expanded)
15. **Crystal structures, antioxidant, electrochemical and in-situ spectroelectrochemical properties of new bisthiocarbohydrazones and their Ni(II) complexes**
KAYA Y., ERÇAĞ A., Uğuz Ö., Zorlu Y., KOCA A.
Inorganica Chimica Acta, cilt.549, 2023 (SCI-Expanded)
16. **Electro-stimulated drug release by methacrylated hyaluronic acid-based conductive hydrogel with enhanced mechanical properties**
AYCAN D., KARACA ALBAYRAK F., KOCA A., Alemdar N.
International Journal of Biological Macromolecules, cilt.231, 2023 (SCI-Expanded)
17. **Electrochemical and spectroelectrochemical characterizations of phthalocyanines bearing peripherally tetra-4-carboxyethylenephenoxy anchoring groups and usage as photosensitizers of dye-sensitized solar cell**
Maden Y., Köse G. G., Karaoğlu G. K., KOCA A.
Journal of Electroanalytical Chemistry, cilt.929, 2023 (SCI-Expanded)
18. **A detailed experimental and computational study of Cd complexes with pyridyl-based thiazolyl hydrazones**
Kokanov S. B., Filipovic N. R., Visnjevac A., Nikolic M., Novakovic I., Janjic G., Hollo B. B., Ramotowska S., Nowicka P., Makowski M., et al.
APPLIED ORGANOMETALLIC CHEMISTRY, cilt.37, sa.1, 2023 (SCI-Expanded)
19. **Synthesis, Electrochemistry, Spectroelectrochemistry, and Electrochromism of Metallophthalocyanines Substituted with Four (2,4,5-trimethylphenyl)ethynyl Groups**
Ozcan S., Kobak R. Z., BUDAK Ö., KOCA A., Bayır Z.
ELECTROANALYSIS, cilt.34, sa.10, ss.1610-1620, 2022 (SCI-Expanded)
20. **Utilization of pyrazole-perimidine hybrids bearing different substituents as corrosion inhibitors for 304 stainless steel in acidic media**
Uğus Ö., GÜMÜŞ M., SERT Y., KOCA İ., KOCA A.
Journal of Molecular Structure, cilt.1262, 2022 (SCI-Expanded)
21. **Non-peripheral tetra methoxylated pyrazoline bearing Co-II, Cu-II and (MnCl)-Cl-III phthalocyanines: Syntheses, electrochemistry and spectroelectrochemistry**
Yalazan H., KANTEKİN H., BUDAK Ö., KOCA A.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.973, 2022 (SCI-Expanded)
22. **Synthesis, characterization, electrochemical, spectroelectrochemical and dye-sensitized solar cell properties of Phthalocyanines Containing Carboxylic Acid Anchoring Groups as photosensitizer**

Karaoglan G. K., Hisir A., ERDAĞ MADEN Y., Karakus M. O., KOCA A.

DYES AND PIGMENTS, cilt.204, 2022 (SCI-Expanded)

23. **Zinc(II) phthalocyanine-viologen dyads: synthesis, electrochemistry, spectroelectrochemistry, electrodeposition, and electrochromism**
YILDIZ B., AHMETALİ E., BUDAK Ö., KOCA A., ŞENER M. K.
NEW JOURNAL OF CHEMISTRY, cilt.46, sa.16, ss.7410-7423, 2022 (SCI-Expanded)
24. **Simultaneous electrochemical deposition of nickel cobalt oxide-reduced graphene oxide composites for high performance asymmetric supercapacitors**
BUDAK Ö., UĞUZ Ö., KOCA A.
JOURNAL OF ENERGY STORAGE, cilt.47, 2022 (SCI-Expanded)
25. **Synthesis, electrochemistry, and electrocatalytic activity of thiazole-substituted phthalocyanine complexes**
Demir F., Yenilmez H. Y., KOCA A., Bayır Z.
JOURNAL OF SOLID STATE ELECTROCHEMISTRY, cilt.26, sa.3, ss.761-772, 2022 (SCI-Expanded)
26. **Enhanced photoelectrochemical activity of magnetically modified TiO₂ prepared by a simple ex-situ route**
Yilmaz S., KERKEZ KUYUMCU Ö., BAYAZİT Ş. S., Ayaz R. M. Z., Akyuz D., KOCA A.
JOURNAL OF SOLID STATE ELECTROCHEMISTRY, cilt.26, sa.1, ss.245-255, 2022 (SCI-Expanded)
27. **Double-decker lutetium phthalocyanine functionalized with 4-phenylthiazol-2-thiol moieties: Synthesis, characterization, electrochemistry, spectroelectrochemistry and electrochromism**
Beduoğlu A., BUDAK Ö., Sevim A. M., KOCA A., Bayır Z.
Polyhedron, cilt.209, 2021 (SCI-Expanded)
28. **Manganese phthalocyanine and its graphene quantum dot conjugate: Synthesis, characterization electrochemistry, spectroelectrochemistry, electropolymerization, and electrochromism**
AlMarzouq D., A. Majeed S., BUDAK Ö., KOCA A.
Inorganica Chimica Acta, cilt.527, 2021 (SCI-Expanded)
29. **Hybrid photoelectrochemical-photocatalytic hydrogen evolution reaction with reduced graphene oxide-binary metal chalcogenide composites**
UĞUZ Ö., KOCA A.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, cilt.45, sa.13, ss.19303-19315, 2021 (SCI-Expanded)
30. **Simultaneous electrodeposition of electrochemically reduced graphene oxide-binary metal chalcogenide composites to enhance photoelectrochemical performance**
UĞUZ Ö., BUDAK Ö., KOCA A.
International Journal of Hydrogen Energy, cilt.46, ss.35290-35301, 2021 (SCI-Expanded)
31. **New asymmetric bithiocarbohydrazones and their mixed ligand nickel(II) complexes: Synthesis, characterization, crystal structure, electrochemical-spectroelectrochemical property, antimicrobial and antioxidant activity**
KAYA Y., ERÇAĞ A., UĞUZ Ö., KOCA A., Zorlu Y., HACIOĞLU M., Seher Birteksöz Tan A.
Polyhedron, cilt.207, 2021 (SCI-Expanded)
32. **Synthesis, electrochemical and in-situ spectroelectrochemical properties of 1,2,4 triazole containing metallo-phthalocyanines**
Akyuz D., DEMİRBAŞ Ü., KOCA A., AKÇAY H. T., MENTEŞE E., KANTEKİN H.
JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, cilt.99, sa.1-2, ss.99-108, 2021 (SCI-Expanded)
33. **Synthesis, electrochemistry, in-situ spectroelectrochemistry and molecular structures of 1,4-naphthoquinone derivatives**
DENİZ N. G., Sayıl C., Akyuz D., KOCA A.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1224, 2021 (SCI-Expanded)
34. **Solar-hydrogen production with reduced graphene oxide supported CdxZn1-xS photocatalysts**
Tanişik İ., UĞUZ Ö., Akyüz D., Zunain Ayaz R. M., SARIOĞLU C., Karaca F., ÖZKAYA A. R., KOCA A.
International Journal of Hydrogen Energy, cilt.45, sa.60, ss.34845-34856, 2020 (SCI-Expanded)

35. **Photoelectrochemical performance of thermally sulfurized Cd_xZn_{1-x}S photoanode: Enhancement with reduced graphene oxide support**
Zunain Ayaz R., Akyüz D., UĞUZ Ö., Tanşık İ., SARIOĞLU C., Karaca F., ÖZKAYA A. R., KOCA A.
RENEWABLE ENERGY, cilt.162, ss.182-195, 2020 (SCI-Expanded)
36. **Cobalt(II)/(III) complexes bearing a tetradentate thiosemicarbazone: Synthesis, experimental and theoretical characterization, and electrochemical and antioxidant properties**
Kaya B., Akyuz D., Karakurt T., Sahin O., KOCA A., ÜLKÜSEVEN B.
APPLIED ORGANOMETALLIC CHEMISTRY, cilt.34, sa.11, 2020 (SCI-Expanded)
37. **Electrochemistry of novel tetra peripherally and non-peripherally substituted phthalocyanines bearing morpholine groups**
Akyuz D., DEMİRBAŞ Ü., AKÇAY H. T., KOCA A., KANTEKİN H.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.924, 2020 (SCI-Expanded)
38. **Photocatalytic and photoelectrochemical performances of Mo, Ni and Cu decorated metal chalcogenides**
Akyuz D., ÖZKAYA A. R., KOCA A.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, cilt.116, 2020 (SCI-Expanded)
39. **Electrochemical and spectroelectrochemical characterizations of new tetra-substituted metallophthalocyanines bearing 4-(trifluoromethoxy)phenoxy groups on non-peripheral positions**
Farajzadeh N., Akyuz D., KOCA A., Kocak M. B.
MONATSHFTE FÜR CHEMIE, cilt.151, sa.9, ss.1337-1348, 2020 (SCI-Expanded)
40. **Electrochemistry of Novel Phthalocyanines Bearing 1,2,4 Triazole Groups**
Akyuz D., DEMİRBAŞ Ü., Akcay H. T., Mentese E., KOCA A., KANTEKİN H.
ELECTROANALYSIS, cilt.32, sa.7, ss.1433-1438, 2020 (SCI-Expanded)
41. **The Synthesis, Characterization, Electrochemical and Spectroelectrochemical Properties of Novel Unsymmetrical Phthalocyanines Containing Naphthoic Acid and Di-tert-butylphenoxy Groups**
GÜMRÜKÇÜ KÖSE G., KESER KARAOĞLAN G., Isik S. N., Akyuz D., KOCA A.
SYNTHETIC METALS, cilt.264, 2020 (SCI-Expanded)
42. **An alternative strategy to detect bacterial contamination in milk and water: a newly designed electrochemical biosensor**
Ozcan S. M., SESAL N. C., ŞENER M. K., KOCA A.
EUROPEAN FOOD RESEARCH AND TECHNOLOGY, cilt.246, sa.6, ss.1317-1324, 2020 (SCI-Expanded)
43. **Synthesis, electrochemical and spectroelectrochemical properties of novel soluble peripheral tetra triazole substituted Co-II, Cu-II, (MnCl)-Cl-III and (TiO)-O-IV phthalocyanines**
Yalazan H., Akyuz D., Unluer D., KOCA A., KANTEKİN H., SANCAK K.
POLYHEDRON, cilt.180, 2020 (SCI-Expanded)
44. **Novel peripheral tetra-substituted phthalocyanines containing methoxylated chalcone group: Synthesis, spectral, electrochemical and spectroelectrochemical properties**
Yalazan H., Akyuz D., SERDAROĞLU V., KAHRİMAN N., KOCA A., KANTEKİN H.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.912, 2020 (SCI-Expanded)
45. **Electrochemistry, electropolymerization and electrochromism of novel phthalocyanines bearing morpholine groups**
Akyüz D., Demirbaş Ü., Koca A., Çelik F., Kantekin H.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1206, 2020 (SCI-Expanded)
46. **Thiazole-substituted non-symmetrical metallophthalocyanines: synthesis, characterization, electrochemical and heavy metal ion sensing properties**
Beduoglu A., Sevim A. M., KOCA A., ALTINDAL A., Bayır Z.
NEW JOURNAL OF CHEMISTRY, cilt.44, sa.14, ss.5201-5210, 2020 (SCI-Expanded)
47. **New square-planar nickel(II)-triphenylphosphine complexes containing ONS donor ligands: Synthesis, characterization, electrochemical and antioxidant properties**
Kaya Y., Erçağ A., Koca A.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1206, 2020 (SCI-Expanded)

48. **Phthalocyanine-aniline dyad constructed with click electrochemistry: a novel hybrid electrochromic material**
Akyüz D., Koca A.
JOURNAL OF SOLID STATE ELECTROCHEMISTRY, cilt.24, sa.2, ss.431-440, 2020 (SCI-Expanded)
49. **Synthesis, electrochemistry and in situ spectroelectrochemistry of novel tetra- and octa-substituted metallophthalocyanines bearing peripherally 4-(trifluoromethoxy)phenoxy groups**
Farajzadeh N., Akyüz D., Koca A., Koçak M. B.
POLYHEDRON, cilt.177, 2020 (SCI-Expanded)
50. **Thiosemicarbazide-based iron(III) and manganese(III) complexes. Structural, electrochemical characterization and antioxidant activity**
Kaya B., Kaya K., Koca A., Ulkuseven B.
POLYHEDRON, cilt.173, 2019 (SCI-Expanded)
51. **Enhanced hydrogen production with photo-induced phase transformation and cocatalyst loading**
Akyüz D., Özkaya A. R., Koca A.
International Journal of Energy Research, cilt.43, sa.14, ss.8299-8313, 2019 (SCI-Expanded)
52. **Unsymmetrically pyrazole-3-carboxylic acid substituted phthalocyanine-based photoanodes for use in water splitting photoelectrochemical and dye-sensitized solar cells**
YILDIZ B., Guzel E., Akyuz D., Arslan B. S., KOCA A., ŞENER M. K.
SOLAR ENERGY, cilt.191, ss.654-662, 2019 (SCI-Expanded)
53. **Non-peripherally tetra substituted phthalocyanines bearing benzodioxane moieties: Synthesis, characterization and investigation of electrochemical and spectroelectrochemical properties**
Demirbaş Ü., Akyuz D., Akcay H. T., Koca A., Kantekin H.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1189, ss.234-239, 2019 (SCI-Expanded)
54. **Metal chalcogenide based photocatalysts decorated with heteroatom doped reduced graphene oxide for photocatalytic and photoelectrochemical hydrogen production**
Akyüz D., Zunain Ayaz R. M., Yılmaz S., UĞUZ Ö., SARIOĞLU C., Karaca F., ÖZKAYA A. R., KOCA A.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.44, sa.34, ss.18836-18847, 2019 (SCI-Expanded)
55. **An electrochemical sensor for the detection of pesticides based on the hybrid of manganese phthalocyanine and polyaniline**
Akyuz D., KOCA A.
SENSORS AND ACTUATORS B-CHEMICAL, cilt.283, ss.848-856, 2019 (SCI-Expanded)
56. **Photo-Induced Phase Transition of CdZnS Based Nanocomposite at Room Temperature Under Solar Irradiation**
Akyuz D., KOCA A.
CATALYSIS LETTERS, cilt.149, sa.3, ss.876-881, 2019 (SCI-Expanded)
57. **Highly selective and ultra-sensitive electrochemical sensor behavior of 3D SWCNT-BODIPY hybrid material for eserine detection**
ŞENOCAK A., Koksoy B., Akyuz D., KOCA A., Klyamer D., Basova T., DEMİRBAŞ E., DURMUŞ M.
BIOSENSORS & BIOELECTRONICS, cilt.128, ss.144-150, 2019 (SCI-Expanded)
58. **Sensing alcohol vapours with novel unsymmetrically substituted metallophthalocyanines**
Polat M. P., Akyüz D., Yasemin Yenilmez H., Koca A., Altındal A., Bayır Z. A.
Dalton Transactions, cilt.48, ss.9194-9204, 2019 (SCI-Expanded)
59. **Metallo-phthalocyanines containing thiazole moieties: Synthesis, characterization, electrochemical and spectroelectrochemical properties and sensor applications**
Demir F., Yenilmez H. Y., KOCA A., Bayır Z.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, cilt.832, ss.254-265, 2019 (SCI-Expanded)
60. **Non-peripherally tetra substituted lead(II), nickel(II) and copper(II) phthalocyanines bearing [1,2,3] triazole moieties: Synthesis, characterization and investigation of electrochemical and spectroelectrochemical properties**
DEMİRBAŞ Ü., Akyuz D., Akcay H. T., KOCA A., KANTEKİN H.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1176, ss.695-702, 2019 (SCI-Expanded)

61. **Novel 1,2,4-triazole substituted metallo-phthalocyanines: Synthesis, characterization and investigation of electrochemical and spectroelectrochemical properties**
DEMİRBAŞ Ü., Akyuz D., AKÇAY H. T., KOCA A., MENTEŞE E., KANTEKİN H.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1173, ss.205-212, 2018 (SCI-Expanded)
62. **Synthesis and investigation of spectroelectrochemical properties of peripherally tetra-substituted phthalocyanine bearing 3-(4-([3-(trifluoromethyl)benzyl]oxy)phenyl)propan-1-ol and its metallo compounds**
KAMİLOĞLU A. A., Akyuz D., KOCA A., ACAR İ.
JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, cilt.92, ss.223-235, 2018 (SCI-Expanded)
63. **Metallophthalocyanines bearing four 3-(pyrrol-1-yl)phenoxy units as photosensitizer for dye-sensitized solar cells**
Polat M. P., Yenilmez H. Y., KOCA A., ALTINDAL A., Bayir Z. A.
DYES AND PIGMENTS, cilt.156, ss.267-275, 2018 (SCI-Expanded)
64. **Photocatalytic hydrogen production with reduced graphene oxide (RGO)-CdZnS nano-composites synthesized by solvothermal decomposition of dimethyl sulfoxide as the sulfur source**
Akyuz D., KOCA A.
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, cilt.364, ss.625-634, 2018 (SCI-Expanded)
65. **Construction of Modified Electrodes with Click Electrochemistry Based on the Hybrid of 4-Azido Aniline and Manganese Phthalocyanine and Electrochemical Pesticide Sensor Applications**
Akyuz D., KOCA A.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, cilt.165, sa.11, 2018 (SCI-Expanded)
66. **A new sulfur source for the preparation of efficient Cd(1-x)ZnxS photocatalyst for hydrogen evolution reaction**
Agopcan B., Akyuz D., Karaca F., SARIOĞLU C., KOCA A.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.43, sa.17, ss.8206-8220, 2018 (SCI-Expanded)
67. **Electrochemical and spectroelectrochemical study on novel non-peripherally tetra 1,2,4-triazole substituted phthalocyanines**
DEMİRBAŞ Ü., Akyuz D., Akcay H. T., KOCA A., BEKİRCAN O., KANTEKİN H.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1155, ss.380-388, 2018 (SCI-Expanded)
68. **Free-standing carbon nanotubes as non-metal electrocatalyst for oxygen evolution reaction in water splitting**
Ali A., Akyuz D., Asghar M. A., KOCA A., KESKİN B.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.43, sa.2, ss.1123-1128, 2018 (SCI-Expanded)
69. **Metallophthalocyanines Bearing Polymerizable {[5-((1E)-[4-(Diethylamino)phenyl]methylene)amino]-1-naphthyl]oxy} Groups as Electrochemical Pesticide Sensor**
Akyuz D., KELEŞ T., BIYIKLIOĞLU Z., KOCA A.
ELECTROANALYSIS, cilt.29, sa.12, ss.2913-2924, 2017 (SCI-Expanded)
70. **Electrochemical pesticide sensors based on electropolymerized metallophthalocyanines**
Akyuz D., KELEŞ T., BIYIKLIOĞLU Z., KOCA A.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, cilt.804, ss.53-63, 2017 (SCI-Expanded)
71. **Immobilization of alkynyl functionalized manganese phthalocyanine via click electrochemistry for electrocatalytic oxygen evolution reaction**
Oztas B., Akyuz D., Koca A.
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, cilt.19, sa.38, ss.26121-26131, 2017 (SCI-Expanded)
72. **Synthesis, characterization and investigation of electrochemical and spectroelectrochemical properties of non-peripherally tetra-5-methyl-1,3,4-thiadiazole substituted copper(II) iron(II) and oxo-titanium (IV) phthalocyanines**
DEMİRBAŞ Ü., Akyuz D., Akcay H. T., BARUT B., KOCA A., KANTEKİN H.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1144, ss.112-119, 2017 (SCI-Expanded)
73. **Synthesis, characterization and investigation of electrochemical and spectroelectrochemical**

properties of peripherally and non-peripherally tetra 2-methyl-5-benzothiazole substituted nickel(II), copper(II) and cobalt(II) phthalocyanines

DEMİRBAŞ Ü., Akyuz D., BAYRAK R., BARUT B., KOCA A., KANTEKİN H., DEĞİRMENCİOĞLU İ.
SYNTHETIC METALS, cilt.231, ss.112-119, 2017 (SCI-Expanded)

74. **Electrocatalytic hydrogen evolution reaction with a supramolecular cobalt(II)phthalocyanine carrying four cobaloxime moieties**

Özçeşmeci İ., Demir A., Akyuz D., KOCA A., Gül A.

INORGANICA CHIMICA ACTA, cilt.466, ss.591-598, 2017 (SCI-Expanded)

75. **Electropolymerization of Metallophthalocyanines Carrying Redox Active Metal Centers and their Electrochemical Pesticide Sensing Application**

KELEŞ T., Akyuz D., BIYIKLIOĞLU Z., KOCA A.

ELECTROANALYSIS, cilt.29, sa.9, ss.2125-2137, 2017 (SCI-Expanded)

76. **Synthesis, characterization and investigation of electrochemical and spectroelectrochemical properties of peripherally tetra 4-phenylthiazole-2-thiol substituted metal-free, zinc(II), copper(II) and cobalt(II) phthalocyanines**

DEMİRBAŞ Ü., AKÇAY H. T., KOCA A., KANTEKİN H.

JOURNAL OF MOLECULAR STRUCTURE, cilt.1141, ss.643-649, 2017 (SCI-Expanded)

77. **Electrochemical, spectroelectrochemical, and dielectric properties of metallophthalocyanines bearing redox active cobalt and manganese metal centres**

Uzunmehmetoglu H. Z., Yenilmez H. Y., Kaya K., KOCA A., ALTINDAL A., Bayır Z.

INORGANICA CHIMICA ACTA, cilt.459, ss.51-62, 2017 (SCI-Expanded)

78. **Synthesis, photophysical and electrochemical properties of novel hexadeca-substituted phthalocyanines bearing naphthoxy groups**

Kurt O., Özçeşmeci İ., KOCA A., Gül A., Koçak M.

DYES AND PIGMENTS, cilt.137, ss.236-243, 2017 (SCI-Expanded)

79. **Electrocatalytic hydrogen production on a modified pencil graphite electrode**

BALUN KAYAN D., Kocak D., İlhan M., KOCA A.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.42, sa.4, ss.2457-2463, 2017 (SCI-Expanded)

80. **Enhancing biosensor properties of conducting polymers via copolymerization: Synthesis of EDOT-substituted bis(2-pyridylimino) isoindolato-palladium complex and electrochemical sensing of glucose by its copolymerized film**

Tekbasoglu T. Y., Soganci T., AK M., KOCA A., ŞENER M. K.

BIOSENSORS & BIOELECTRONICS, cilt.87, ss.81-88, 2017 (SCI-Expanded)

81. **1,2,4-triazole-5(4H)-one based novel peripherally tetrasubstituted metal-free and metallophthalocyanines: Synthesis, characterization, and electrochemical and spectroelectrochemical properties**

Aktas A., Uenlueer D., Kobak R. Z., ACAR İ., Dugdu E., KOCA A., KANTEKİN H.

INORGANIC AND NANO-METAL CHEMISTRY, cilt.47, sa.6, ss.830-840, 2017 (SCI-Expanded)

82. **Synthesis and electropolymerization of EDOT modified 1,3-bis(5-methyl-2-thiazolylimino)isoindolinato palladium(II) complex for electrochemical detection of hydrogen peroxide**

Goktug O., Akyuz D., KOCA A., ŞENER M. K.

JOURNAL OF COORDINATION CHEMISTRY, cilt.70, sa.12, ss.2052-2060, 2017 (SCI-Expanded)

83. **Anionic water-soluble sulfonated phthalocyanines: microwave-assisted synthesis, aggregation behaviours, electrochemical and in-situ spectroelectrochemical characterisation**

Guzel E., KOCA A., Koçak M.

SUPRAMOLECULAR CHEMISTRY, cilt.29, sa.7, ss.536-546, 2017 (SCI-Expanded)

84. **Microwave-assisted synthesis, electrochemistry and spectroelectrochemistry of phthalocyanines bearing tetra terminal-alkynyl functionalities and click approach**

Koyun O., GÖRDÜK S., KESKİN B., Cetinkaya A., KOCA A., Avciata U.

POLYHEDRON, cilt.113, ss.35-49, 2016 (SCI-Expanded)

85. **Electrocatalytic hydrogen evolution reaction on reduced graphene oxide electrode decorated with cobaltphthalocyanine**
Akyuz D., KESKİN B., Sahinturk U., KOCA A.
APPLIED CATALYSIS B-ENVIRONMENTAL, cilt.188, ss.217-226, 2016 (SCI-Expanded)
86. **Electrochemical and spectroelectrochemical properties of new metal free, nickel(II), lead(II) and zinc(II) phthalocyanines**
SAKA E. T., Kobak R. Z., ALP H., Sarki G., KOCA A., KANTEKİN H.
SYNTHETIC METALS, cilt.217, ss.295-303, 2016 (SCI-Expanded)
87. **Carbazole-substituted metallo-phthalocyanines: Synthesis, electrochemical, and spectroelectrochemical properties**
Ipsiz O., Yenilmez H. Y., Kaya K., KOCA A., Bayır Z.
SYNTHETIC METALS, cilt.217, ss.94-101, 2016 (SCI-Expanded)
88. **Photocatalytic-electrocatalytic dual hydrogen production system**
Aydemir M., Akyuz D., Agopcan B., Sener M. K., KARACA ALBAYRAK F., Sarzoglu C., KOCA A.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.41, sa.19, ss.8209-8220, 2016 (SCI-Expanded)
89. **Synthesis and electrochemical characterization of tetra-(5-chloro-2-(2,4-dichlorophenoxy)phenol) substituted Ni(II), Fe(II) and Cu(II) metallophthalocyanines**
DEMİRBAŞ Ü., Kobak R. Z., BARUT B., BAYRAK R., KOCA A., KANTEKİN H.
SYNTHETIC METALS, cilt.215, ss.7-13, 2016 (SCI-Expanded)
90. **Synthesis, characterization, electrochemical and spectroelectrochemical properties of novel peripherally tetra-1,2,4-triazole substituted phthalocyanines**
DEMİRBAŞ Ü., Kobak R. Z., AKÇAY H. T., Unluer D., KOCA A., ÇELİK F., KANTEKİN H.
SYNTHETIC METALS, cilt.215, ss.68-76, 2016 (SCI-Expanded)
91. **Substituent effects to the electrochromic behaviors of electropolymerized metallophthalocyanine thin films**
Kobak R. Z., Akyuz D., KOCA A.
JOURNAL OF SOLID STATE ELECTROCHEMISTRY, cilt.20, sa.5, ss.1311-1321, 2016 (SCI-Expanded)
92. **Electrochemical, spectroelectrochemical and catalytical properties of new Cu(II) and Co(II) phthalocyanines**
SAKA E. T., Sarki G., KANTEKİN H., KOCA A.
SYNTHETIC METALS, cilt.214, ss.82-91, 2016 (SCI-Expanded)
93. **Spectroscopic, electrochemical and X-ray diffraction studies on nickel(II)-complexes of acetophenone thiosemicarbazones substituted six-carbon groups**
Guveli S., ÖZDEMİR N., KOCA A., Bal-Demirci T., Ulkuseven B.
INORGANICA CHIMICA ACTA, cilt.443, ss.7-14, 2016 (SCI-Expanded)
94. **Electrochemical and spectroelectrochemical properties of thiadiazole substituted metallo-phthalocyanines**
DEMİRBAŞ Ü., Akyuz D., BARUT B., Bayrak R., KOCA A., KANTEKİN H.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, cilt.153, ss.71-78, 2016 (SCI-Expanded)
95. **The electrochemical and spectroelectrochemical properties of metal free and metallophthalocyanines containing triazole/piperazine units**
DEMİRBAŞ Ü., Akyuz D., Mermer A., AKÇAY H. T., DEMİRBAŞ N., KOCA A., KANTEKİN H.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, cilt.153, ss.478-487, 2016 (SCI-Expanded)
96. **TEMPO-functionalized zinc phthalocyanine: synthesis, magnetic properties, and its utility for electrochemical sensing of ascorbic acid**
Korkut S. E., Akyuz D., ÖZDOĞAN K., YERLİ Y., KOCA A., ŞENER M. K.
DALTON TRANSACTIONS, cilt.45, sa.7, ss.3086-3092, 2016 (SCI-Expanded)
97. **Electropolymerization and Electrochemical Pesticide Sensor Application of Metallophthalocyanines Bearing Polymerizable Morpholin Groups**

- Ozen U. E., Keleş T., Bıyıklıoğlu Z., Koca A., Özkaya A. R.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, cilt.163, 2016 (SCI-Expanded)
98. **Synthesis, structures, electrochemical studies and antioxidant activities of cis-dioxomolybdenum(VI) complexes of the new bithiocarbohydrazones**
Kaya Y., Ercag A., KOCA A.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1102, ss.117-126, 2015 (SCI-Expanded)
99. **Synthesis, electrochemical and spectroelectrochemical properties of thiazole-substituted phthalocyanines**
Duruk E. G., Yenilmez H. Y., KOCA A., Bayır Z.
SYNTHETIC METALS, cilt.209, ss.361-368, 2015 (SCI-Expanded)
100. **Electrocatalytic hydrogen evolution reaction with metallophthalocyanines modified with click electrochemistry**
Akyuz D., Dincer H., ÖZKAYA A. R., KOCA A.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.40, sa.38, ss.12973-12984, 2015 (SCI-Expanded)
101. **Electrochemical, spectroelectrochemical characterization and electropolymerization of 2-(4-methyl-1,3-thiazol-5-yl) ethoxy-substituted manganese and indium phthalocyanines**
Yenilmez H. Y., Akdag O., Sevim A. M., KOCA A., Bayır Z.
POLYHEDRON, cilt.99, ss.244-251, 2015 (SCI-Expanded)
102. **Synthesis, structural characterizations, and electrochemical and spectroelectrochemical properties of novel peripherally octa-substituted metallophthalocyanines**
Kantekin H., Sarki G., Koca A., Bekircan O., Aktas A., Kobak R. Z. U., Saglam M. B.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, ss.53-62, 2015 (SCI-Expanded)
103. **Synthesis, electrochemistry and in situ spectroelectrochemistry of novel hexadeca-substituted phthalocyanines with three different groups**
Kurt O., KOCA A., Gül A., Koçak M.
SYNTHETIC METALS, cilt.206, ss.72-83, 2015 (SCI-Expanded)
104. **Electrochemical and Spectroelectrochemical Analysis of 4-(4-(5-Phenyl-1,3,4-oxadiazole-2-yl)phenoxy)-Substituted Cobalt(II), Lead(II) and Metal-Free Phthalocyanines**
NAS A., KANTEKİN H., KOCA A.
ELECTROANALYSIS, cilt.27, sa.7, ss.1602-1609, 2015 (SCI-Expanded)
105. **Electrochemical pesticide sensor based on Langmuir-Blodgett film of cobalt phthalocyanine-anthraquinone hybrid**
Ipek Y., ŞENER M. K., KOCA A.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, cilt.19, sa.5, ss.708-718, 2015 (SCI-Expanded)
106. **Microwave-assisted synthesis, electrochemistry and spectroelectrochemistry of amphiphilic phthalocyanines**
Guzel E., KOCA A., Gül A., Koçak M.
SYNTHETIC METALS, cilt.199, ss.372-380, 2015 (SCI-Expanded)
107. **Electrochromism of electropolymerized cobaltphthalocyanine-quinoline hybrid**
Arıcan D., Aktas A., KANTEKİN H., KOCA A.
SOLAR ENERGY MATERIALS AND SOLAR CELLS, cilt.132, ss.289-295, 2015 (SCI-Expanded)
108. **Electropolymerization of Octakis Diethylamino Substituted Metallophthalocyanines and Their Electrochromic Characterization**
Aydemir M., Pekbelgin Karaoğlu H. R., Koçak M., KOCA A.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, cilt.162, sa.3, 2015 (SCI-Expanded)
109. **Highly soluble tetra lauryl alcohol substituted phthalocyanines; synthesis, electrochemistry, spectroelectrochemistry**
BİLGİÇLİ A. T., YARAŞIR M. N., KANDAZ M., KOCA A.
JOURNAL OF COORDINATION CHEMISTRY, cilt.68, sa.2, ss.350-366, 2015 (SCI-Expanded)
110. **Asymmetric N2O2 complexes of iron(III) and nickel(II) obtained from acetylacetone-S-methyl-thiosemicarbazone: synthesis, characterization and electrochemistry**

Kaya B., KOCA A., Ulkuseven B.

JOURNAL OF COORDINATION CHEMISTRY, cilt.68, sa.4, ss.586-598, 2015 (SCI-Expanded)

111. **Novel scorpion type phthalocyanine chemosensors for detection of selective-metal ion by inducing H- and J-aggregations in solution; synthesis, characterization and electrochemistry**
Sevim M., YARAŞIR M. N., KOCA A., KANDAZ M.
DYES AND PIGMENTS, cilt.111, ss.190-201, 2014 (SCI-Expanded)
112. **Synthesis, electrochemistry, spectroelectrochemistry and electropolymerization of metal-free and metallophthalocyanines**
Cakir V., KANTEKİN H., BIYIKLIOĞLU Z., KOCA A.
POLYHEDRON, cilt.81, ss.525-533, 2014 (SCI-Expanded)
113. **New electropolymerizable metal-free and metallophthalocyanines bearing {2-[3-(diethylamino)phenoxy]ethoxy} substituents**
BIYIKLIOĞLU Z., Cakir V., Demir F., KOCA A.
SYNTHETIC METALS, cilt.196, ss.166-172, 2014 (SCI-Expanded)
114. **New electropolymerizable metal-free, metallophthalocyanines and their electrochemical, spectroelectrochemical studies**
Cakir V., KANTEKİN H., BIYIKLIOĞLU Z., KOCA A.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.768, ss.28-35, 2014 (SCI-Expanded)
115. **Synthesis, electrochemical and spectroelectrochemical properties of novel phthalocyanine complexes of manganese, titanium and indium**
Sevim A. M., Yenilmez H. Y., Aydemir M., KOCA A., Bayır Z.
ELECTROCHIMICA ACTA, cilt.137, ss.602-615, 2014 (SCI-Expanded)
116. **EDOT-Functionalized Calix[4]pyrrole for the Electrochemical Sensing of Fluoride in Water**
Aydoğan A., KOCA A., ŞENER M. K., Sessler J. L.
ORGANIC LETTERS, cilt.16, sa.14, ss.3764-3767, 2014 (SCI-Expanded)
117. **Novel 4-(2-(benzo[d]thiazol-2-yl)phenoxy) substituted phthalocyanine derivatives: Synthesis, electrochemical and in situ spectroelectrochemical characterization**
NAS A., KANTEKİN H., KOCA A.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.757, ss.62-71, 2014 (SCI-Expanded)
118. **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.
SYNTHETIC METALS, cilt.190, ss.56-65, 2014 (SCI-Expanded)
119. **Synthesis, electrochemical, in-situ spectroelectrochemical and in-situ electrocolorimetric characterization of new phthalocyanines containing macrocyclic moieties**
Kilicaslan M. B., KANTEKİN H., KOCA A.
DYES AND PIGMENTS, cilt.103, ss.95-105, 2014 (SCI-Expanded)
120. **Electrode modification based on "click electrochemistry" between terminal-alkynyl substituted cobalt phthalocyanine and 4-azidoaniline**
Ipek Y., Dincer H., KOCA A.
SENSORS AND ACTUATORS B-CHEMICAL, cilt.193, ss.830-837, 2014 (SCI-Expanded)
121. **Electrochromism of Electropolymerized Metallophthalocyanines**
Demir F., BIYIKLIOĞLU Z., KOCA A.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, cilt.161, sa.3, 2014 (SCI-Expanded)
122. **Electrochemical, Spectroelectrochemical, and Electrochromic Properties of Lanthanide Bis-Phthalocyanines**
Orman E. B., Koca A., Özkaya A. R., Gurol I., Durmuş M., Ahsen V.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, cilt.161, 2014 (SCI-Expanded)
123. **Electrochromism of Electropolymerized Phthalocyanine-Tetrahydroquinoline Dyads**
Arıcan D., Aktas A., KANTEKİN H., KOCA A.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, cilt.161, sa.10, 2014 (SCI-Expanded)

124. **Electrochromism of the Langmuir-Blodgett films based on monophthalocyanines carrying redox active metal centers**
Arıcan D., ERDOĞMUŞ A., KOCA A.
THIN SOLID FILMS, cilt.550, ss.669-676, 2014 (SCI-Expanded)
125. **Electrochemistry and structural properties of new mixed ligand nickel(II) complexes based on thiosemicarbazone**
Guveli S., KOCA A., ÖZDEMİR N., Bal-Demirci T., Ulkuseven B.
NEW JOURNAL OF CHEMISTRY, cilt.38, sa.11, ss.5582-5589, 2014 (SCI-Expanded)
126. **Synthesis and characterization of terminalalkynyl-substituted unsymmetrical zinc phthalocyanine conjugated with well-defined polymers**
Sen B. N., MERT BALABAN H., Dincer H., KOCA A.
DYES AND PIGMENTS, cilt.100, ss.1-10, 2014 (SCI-Expanded)
127. **Selective Electrochemical Pesticide Sensor Modified with "Click Electrochemistry" between Cobaltphthalocyanine and 4-Azidoaniline**
Ipek Y., Dincer H., KOCA A.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, cilt.161, sa.9, 2014 (SCI-Expanded)
128. **Synthesis and electrochemical properties of a double-decker lutetium(III) phthalocyanine bearing electropolymerizable substituents on non-peripheral positions**
Karadag S., Bozoglu C., ŞENER M. K., KOCA A.
DYES AND PIGMENTS, cilt.100, ss.168-176, 2014 (SCI-Expanded)
129. **Electrochemical and spectroelectrochemical properties of novel lutetium(III) mono- and bis-phthalocyanines**
ARICI M., Bozoglu C., ERDOĞMUŞ A., Ugur A. L., KOCA A.
ELECTROCHIMICA ACTA, cilt.113, ss.668-678, 2013 (SCI-Expanded)
130. **Synthesis, characterization, electrochemical and spectroelectrochemical properties of peripherally tetra-substituted metal-free and metallophthalocyanines**
Aktas A., ACAR İ., KOCA A., BIYIKLIOĞLU Z., KANTEKİN H.
DYES AND PIGMENTS, cilt.99, sa.3, ss.613-619, 2013 (SCI-Expanded)
131. **The synthesis and electrochemistry of novel, symmetrical, octasubstituted phthalocyanines**
Karaoglu H. R. P., KOCA A., Koçak M.
SYNTHETIC METALS, cilt.182, ss.1-8, 2013 (SCI-Expanded)
132. **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.
ELECTROCHIMICA ACTA, cilt.106, ss.541-555, 2013 (SCI-Expanded)
133. **Synthesis, characterization, electrochemical and spectroelectrochemical properties of metal-free and metallophthalocyanines bearing electropolymerizable dimethylamine groups**
Cakir V., Demir F., BIYIKLIOĞLU Z., KOCA A., KANTEKİN H.
DYES AND PIGMENTS, cilt.98, sa.3, ss.414-421, 2013 (SCI-Expanded)
134. **Titanyl phthalocyanines: Electrochemical and spectroelectrochemical characterizations and electrochemical metal ion sensor applications of Langmuir films**
Demir F., ERDOĞMUŞ A., KOCA A.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, cilt.703, ss.117-125, 2013 (SCI-Expanded)
135. **Vic-dioxime complexes bearing carboxyester and picolyl amide functionality: synthesis, characterization, spectroscopy, electrochemistry, and electrical properties**
YARAŞIR M. N., KANDAZ M., Akyildiz A., KARADENİZ K., DUMLUDAĞ F., KOCA A.
MONATSCHEFTE FÜR CHEMIE, cilt.144, sa.7, ss.951-962, 2013 (SCI-Expanded)
136. **Synthesis, characterization, EPR, electrochemical, and in situ spectroelectrochemical studies of salen-type oxovanadium(IV) and copper(II) complexes derived from 3,4-diaminobenzophenone**
Ercag A., Sahin M., KOCA A., BOZKURT E.
JOURNAL OF COORDINATION CHEMISTRY, cilt.66, sa.9, ss.1635-1649, 2013 (SCI-Expanded)

137. **Synthesis, electrochemical and spectroelectrochemical properties of phthalocyanines having extended pi-electrons conjugation**
Özçeşmeci İ., Kalkan Burat A., Ipek Y., KOCA A., Bayır Z.
ELECTROCHIMICA ACTA, cilt.89, ss.270-277, 2013 (SCI-Expanded)
138. **Synthesis, electrochemical and spectroelectrochemical properties of peripherally tetra-imidazole substituted metal free and metallophthalocyanines**
Akcaay H. T., Bayrak R., DEMİRBAŞ Ü., KOCA A., KANTEKİN H., DEĞİRMENCİOĞLU İ.
DYES AND PIGMENTS, cilt.96, sa.2, ss.483-494, 2013 (SCI-Expanded)
139. **Electrochemical and spectroelectrochemical characterization of newly synthesized manganese, cobalt, iron and copper phthalocyanines**
ARICI M., Arican D., Ugur A. L., ERDOĞMUŞ A., KOCA A.
ELECTROCHIMICA ACTA, cilt.87, ss.554-566, 2013 (SCI-Expanded)
140. **Oxygen reduction reaction catalyzed with titanyl phthalocyanines in nonaqueous and aqueous media**
Demir F., ERDOĞMUŞ A., KOCA A.
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, cilt.15, sa.38, ss.15926-15934, 2013 (SCI-Expanded)
141. **Synthesis and antimicrobial activity of new phthalocyanine complexes and electrochemical and spectroelectrochemical behaviour of cobaltphthalocyanine**
ÇELENK KAYA E., Karadeniz H., KOCA A., KAHRİMAN N., Sokmen A.
JOURNAL OF CHEMICAL RESEARCH, sa.11, ss.665-671, 2012 (SCI-Expanded)
142. **Electrochemical metal-ion sensors based on a novel manganese phthalocyanine complex**
Ceken B., KANDAZ M., KOCA A.
SYNTHETIC METALS, cilt.162, ss.1524-1530, 2012 (SCI-Expanded)
143. **Synthesis and electrochemical investigation of phthalocyanines with dendritic bulky ethereal substituents**
Özçelik Ş., KOCA A., Gül A.
POLYHEDRON, cilt.42, sa.1, ss.227-235, 2012 (SCI-Expanded)
144. **Iron(III) and nickel(II) complexes of O,N,N,O-chelating benzophenone thiosemicarbazone: Electrochemistry and in situ spectroelectrochemistry**
Kurt Y., KOCA A., AKKURT M., Ulkuseven B.
INORGANICA CHIMICA ACTA, cilt.388, ss.148-156, 2012 (SCI-Expanded)
145. **Electrochemical hydrogen peroxide sensor based on cobalt phthalocyanine captured in polyaniline film on a glassy carbon electrode**
Ceken B., KANDAZ M., KOCA A.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, cilt.16, sa.4, ss.380-389, 2012 (SCI-Expanded)
146. **Synthesis, electrochemical and spectroelectrochemical characterization of novel soluble phthalocyanines bearing chloro and quaternizable bulky substituents on peripheral positions**
Karaoglu H. R. P., KOCA A., Koçak M.
DYES AND PIGMENTS, cilt.92, sa.3, ss.1005-1017, 2012 (SCI-Expanded)
147. **Synthesis and spectroelectrochemistry of new phthalocyanines with ester functionalities**
Sevim A. M., Arikan S., KOCA A., Gül A.
DYES AND PIGMENTS, cilt.92, sa.3, ss.1114-1121, 2012 (SCI-Expanded)
148. **Synthesis and Electrochemical and In Situ Spectroelectrochemical Characterization of Chloroindium(III) and Chloromanganese(III) Phthalocyanines Bearing 4-((4'-Trifluoromethyl)phenoxy)phenoxy Substituents**
Kalkan Burat A., Bayır Z., KOCA A.
ELECTROANALYSIS, cilt.24, sa.2, ss.338-348, 2012 (SCI-Expanded)
149. **Electrochemical metal-ion sensor based on a cobalt phthalocyanine complex captured in Nafion (R) on a glassy carbon electrode**
Ceken B., KANDAZ M., KOCA A.
JOURNAL OF COORDINATION CHEMISTRY, cilt.65, sa.19, ss.3383-3394, 2012 (SCI-Expanded)
150. **Synthesis, characterization, electrochemistry and spectroelectrochemistry of novel soluble**

porphyrazines bearing unsaturated functional groups

Tuncer S., KOCA A., Gül A., Avciata U.

DYES AND PIGMENTS, cilt.92, sa.1, ss.610-618, 2012 (SCI-Expanded)

151. **3,4-Ethylenedioxythiophene substituted phthalocyanines**

Yildiz H. K., Korkut S. E., KOCA A., ŞENER M. K.

SYNTHETIC METALS, cilt.161, ss.1946-1952, 2011 (SCI-Expanded)

152. **Preparation, electrochemistry and optical properties of unsymmetrical phthalocyanines bearing morpholine and tert-butylphenoxy substituents**

Kalkan Burat A., KOCA A., Lewtak J. P., Gryko D. T.

SYNTHETIC METALS, cilt.161, ss.1537-1545, 2011 (SCI-Expanded)

153. **Synthesis and characterization of novel soluble phthalocyanines with fused conjugated unsaturated groups**

KESER KARAOĞLAN G., GÜMRÜKÇÜ KÖSE G., KOCA A., Gül A., Avciata U.

DYES AND PIGMENTS, cilt.90, sa.1, ss.11-20, 2011 (SCI-Expanded)

154. **Synthesis, electrochemical and spectroelectrochemical properties of highly soluble tetra substituted phthalocyanines with [4-(thiophen-3-yl)-phenoxy]**

ERDOĞMUŞ A., KOCA A., Ugur A. L., ERDEN İ.

SYNTHETIC METALS, cilt.161, ss.1319-1329, 2011 (SCI-Expanded)

155. **Electrocatalytic oxygen reduction and hydrogen evolution reactions on phthalocyanine modified electrodes: Electrochemical, in situ spectroelectrochemical, and in situ electrocolorimetric monitoring**

KOCA A., Kalkan Burat A., Bayır Z.

ELECTROCHIMICA ACTA, cilt.56, sa.16, ss.5513-5525, 2011 (SCI-Expanded)

156. **Electrochemical and in situ spectroelectrochemical monitoring of the interaction between cobaltphthalocyanines and molecular oxygen in aprotic media**

Koca A.

JOURNAL OF ELECTROANALYTICAL CHEMISTRY, cilt.655, sa.2, ss.128-139, 2011 (SCI-Expanded)

157. **Synthesis and electrochemical and in situ spectroelectrochemical characterization of manganese, vanadyl, and cobalt phthalocyanines with 2-naphthoxy substituents**

Özçeşmeci İ., KOCA A., Gül A.

ELECTROCHIMICA ACTA, cilt.56, sa.14, ss.5102-5114, 2011 (SCI-Expanded)

158. **Peripheral and non-peripheral-designed multifunctional phthalocyanines; synthesis, electrochemistry, spectroelectrochemistry and metal ion binding studies**

GÜNSEL A., KANDAZ M., KOCA A., SALİH B.

POLYHEDRON, cilt.30, sa.9, ss.1446-1455, 2011 (SCI-Expanded)

159. **Synthesis, electrochemical, in-situ spectroelectrochemical and in-situ electrocolorimetric characterization of non-peripheral tetrasubstituted metal-free and metallophthalocyanines**

BIYIKLIOĞLU Z., Cakir V., KOCA A., KANTEKİN H.

DYES AND PIGMENTS, cilt.89, sa.1, ss.49-55, 2011 (SCI-Expanded)

160. **The synthesis, characterization, electrochemical and spectroelectrochemical properties of a novel, cationic, water-soluble Zn phthalocyanine with extended conjugation**

KESER KARAOĞLAN G., GÜMRÜKÇÜ KÖSE G., KOCA A., Gül A.

DYES AND PIGMENTS, cilt.88, sa.3, ss.247-256, 2011 (SCI-Expanded)

161. **The synthesis and electrochemical study of novel phthalocyanines substituted with a crown ether and alkyl chains**

Arsıanoğlu Y., KOCA A., Hamuryudan E.

DYES AND PIGMENTS, cilt.88, sa.2, ss.135-142, 2011 (SCI-Expanded)

162. **Amido functional phthalocyanines as metal ion sensor; synthesis, characterization, spectroscopy, electrochemistry, in-situ spectroelectrochemistry**

Yarasir M. N., Kandaz M., KOCA A.

INORGANICA CHIMICA ACTA, cilt.365, sa.1, ss.256-263, 2011 (SCI-Expanded)

163. **Synthesis, H- or J-type aggregations, electrochemistry and in situ spectroelectrochemistry of metal ion sensing lead(II) phthalocyanines**
Gunsel A., Yarasir M. N., Kandaz M., KOCA A.
POLYHEDRON, cilt.29, sa.18, ss.3394-3404, 2010 (SCI-Expanded)
164. **Synthesis, spectroscopic, electrochemical and spectroelectrochemical properties of metal free, manganese, and cobalt phthalocyanines bearing peripherally octakis-[4-(thiophen-3-yl)-phenoxy] substituents**
Ugur A. L., ERDOĞMUŞ A., KOCA A., Avciata U.
POLYHEDRON, cilt.29, sa.18, ss.3310-3317, 2010 (SCI-Expanded)
165. **ONN-complexes of dioxomolybdenum(VI) with 2-hydroxy-1-naphthaldehyde S-ethyl-4-H/phenyl-thiosemicarbazones: Crystal structure, electrochemistry and in situ spectroelectrochemistry**
Duman S., Kizilcikli I., KOCA A., AKKURT M., Ulkuseven B.
POLYHEDRON, cilt.29, sa.15, ss.2924-2932, 2010 (SCI-Expanded)
166. **Synthesis, electrochemistry, spectroelectrochemistry and electrocolorimetry of phthalocyanine-anthraquinone hybrids**
Sezer B., ŞENER M. K., KOCA A., ERDOĞMUŞ A., Avciata U.
SYNTHETIC METALS, cilt.160, ss.2155-2166, 2010 (SCI-Expanded)
167. **Synthesis, physicochemical properties and electrochemistry of morpholine-substituted phthalocyanines**
Kalkan Burat A., KOCA A., Lewtak J. P., Gryko D. T.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, cilt.14, sa.7, ss.605-614, 2010 (SCI-Expanded)
168. **The synthesis and cyclotetramerisation reactions of aryloxy-, arylalkyloxy-substituted pyrazine-2,3-dicarbonitriles and spectroelectrochemical properties of octakis(hexyloxy)-pyrazinoporphyrazine**
Kobak R. Z., Ozturk E. S., KOCA A., Gül A.
DYES AND PIGMENTS, cilt.86, sa.2, ss.115-122, 2010 (SCI-Expanded)
169. **Substituents Effects to the Electrochemical, and In Situ Spectroelectrochemical Behavior of Metallophthalocyanines: Electrocatalytic Application for Hydrogen Evolution Reaction**
KOCA A., Özçeşmeci M., Hamuryudan E.
ELECTROANALYSIS, cilt.22, sa.14, ss.1623-1633, 2010 (SCI-Expanded)
170. **Synthesis, electrochemical, in situ spectroelectrochemical and in situ electrocolorimetric characterization of new metal-free and metallophthalocyanines substituted with 4-{2-[2-(1-naphthyl)ethoxy]ethoxy} groups**
ACAR İ., Biyiklioglu Z., KOCA A., KANTEKİN H.
POLYHEDRON, cilt.29, sa.5, ss.1475-1484, 2010 (SCI-Expanded)
171. **In Situ Techniques for Monitoring Electrochromism An Advanced Laboratory Experiment**
Sarıçayır H., Üce M., Koca A.
JOURNAL OF CHEMICAL EDUCATION, cilt.87, ss.205-207, 2010 (SCI-Expanded)
172. **Electrochemical, In Situ Spectroelectrochemical, In Situ Electrocolorimetric and Electrocatalytic Characterization of Metallophthalocyanines Bearing Four Dioctylaminocarbonyl Biphenyloxy Substituents**
KOCA A., Kalkan Burat A., Bayır Z.
ELECTROANALYSIS, cilt.22, sa.3, ss.310-319, 2010 (SCI-Expanded)
173. **Synthesis, X-ray crystal structures, thermal and electrochemical properties of thiosemicarbazidatodioxouranium(VI) complexes**
Sahin M., KOCA A., ÖZDEMİR N., DİNÇER M., BÜYÜKGÜNGÖR O., Bal-Demirci T., Ulkuseven B.
DALTON TRANSACTIONS, cilt.39, sa.42, ss.10228-10237, 2010 (SCI-Expanded)
174. **Synthesis, electrochemistry and in situ spectroelectrochemistry of water-soluble phthalocyanines**
Atsay A., KOCA A., Kocak M. B.
TRANSITION METAL CHEMISTRY, cilt.34, sa.8, ss.877-890, 2009 (SCI-Expanded)
175. **Synthesis, in situ spectroelectrochemical, in situ electrocolorimetric and electrocatalytic investigation of brown-manganese phthalocyanines**

- KANDAZ M., KOCA A.
POLYHEDRON, cilt.28, sa.14, ss.2933-2942, 2009 (SCI-Expanded)
176. **Synthesis, electrochemical, in situ spectroelectrochemical and in situ electrocolorimetric characterization of new phthalocyanines peripherally fused to four flexible crown ether moieties**
BIYIKLIOĞLU Z., KOCA A., KANTEKİN H.
POLYHEDRON, cilt.28, sa.11, ss.2171-2178, 2009 (SCI-Expanded)
177. **Both alcohol and halogenated solvents soluble soft-metal sensor functional phthalocyanines: synthesis, electrochemistry, spectroelectrochemistry**
KANDAZ M., YARAŞIR M. N., Güney T., KOCA A.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, cilt.13, sa.6, ss.712-721, 2009 (SCI-Expanded)
178. **Voltammetric and spectroelectrochemical characterization and electrocatalytic application of metallophthalocyanines carrying pendant bulky units**
KOCA A., Dincer H. A., Gonca E., Gül A.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, cilt.13, sa.6, ss.669-680, 2009 (SCI-Expanded)
179. **1,4-Dithiaheterocycle-fused porphyrazines: Synthesis, characterization, voltammetric and spectroelectrochemical properties**
Tuncer S., KOCA A., Guel A., Avciata U.
DYES AND PIGMENTS, cilt.81, sa.2, ss.144-151, 2009 (SCI-Expanded)
180. **Copper phthalocyanine complex as electrocatalyst for hydrogen evolution reaction**
Koca A.
ELECTROCHEMISTRY COMMUNICATIONS, cilt.11, sa.4, ss.838-841, 2009 (SCI-Expanded)
181. **Voltammetric, in-situ spectroelectrochemical and in-situ electrocolorimetric characterization of phthalocyanines**
KOCA A., Bayar S., Dincer H. A., Gonca E.
ELECTROCHIMICA ACTA, cilt.54, sa.10, ss.2684-2692, 2009 (SCI-Expanded)
182. **Hydrogen evolution reaction on glassy carbon electrode modified with titanyl phthalocyanines**
Koca A.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.34, sa.5, ss.2107-2112, 2009 (SCI-Expanded)
183. **Selective metal sensor phthalocyanines bearing non-peripheral functionalities: Synthesis, spectroscopy, electrochemistry and spectroelectrochemistry**
KANDAZ M., YARAŞIR M. N., KOCA A.
POLYHEDRON, cilt.28, sa.2, ss.257-262, 2009 (SCI-Expanded)
184. **Synthesis, in situ spectroelectrochemistry and in situ electrocolorimetry of electrochromic octakis(chloroethylsulfanyl) phthalocyaninatomanganese(III) chloride**
Akkurt B., KOCA A., Hamuryudan E.
NEW JOURNAL OF CHEMISTRY, cilt.33, sa.11, ss.2248-2254, 2009 (SCI-Expanded)
185. **Water soluble novel phthalocyanines containing dodeca-amino groups**
Sesalan B. Ş., KOCA A., Gül A.
DYES AND PIGMENTS, cilt.79, sa.3, ss.259-264, 2008 (SCI-Expanded)
186. **Synthesis, spectroscopy and electrochemical properties of highly soluble fluoro containing phthalocyanines**
Unlu S., YARAŞIR M. N., KANDAZ M., KOCA A., SALİH B.
POLYHEDRON, cilt.27, sa.13, ss.2805-2810, 2008 (SCI-Expanded)
187. **Functional fluoro substituted tetrakis-metallophthalocyanines: Synthesis, spectroscopy, electrochemistry and spectroelectrochemistry**
GÜNSEL A., KANDAZ M., KOCA A., SALİH B.
JOURNAL OF FLUORINE CHEMISTRY, cilt.129, sa.8, ss.662-668, 2008 (SCI-Expanded)
188. **Synthesis, characterization and electrochemistry of new type soluble porphyrazine containing 3-phenylpropylthio substituent**
Erdogmus A., Koca A., Avclata U., Gul A.
POLISH JOURNAL OF CHEMISTRY, cilt.82, sa.8, ss.1541-1551, 2008 (SCI-Expanded)

189. **Electrocatalytic activity of phthalocyanines bearing thiophenes for hydrogen production from water**
Osmanbas O. A., KOCA A., KANDAZ M., Karaca F.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.33, sa.13, ss.3281-3288, 2008 (SCI-Expanded)
190. **Voltammetric, spectroelectrochemical, and electrocatalytic properties of thiol-derivatized phthalocyanines**
Osmanbas O. A., KOCA A., Özçeşmeci İ., Okur A. I., Gül A.
ELECTROCHIMICA ACTA, cilt.53, sa.15, ss.4969-4980, 2008 (SCI-Expanded)
191. **Voltammetric and spectroelectrochemical properties of titanylphthalocyanines bearing catecholato and naphthalenediolato moieties**
KOCA A., Arslanoğlu Y., Hamuryudan E.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, cilt.616, ss.107-116, 2008 (SCI-Expanded)
192. **Synthesis, electrochemistry and in situ Spectroelectrochemistry of soluble lead phthalocyanines**
Dincer H. A., ŞENER M. K., KOCA A., Gül A., Koçak M.
ELECTROCHIMICA ACTA, cilt.53, sa.9, ss.3459-3467, 2008 (SCI-Expanded)
193. **Voltammetric and spectroelectrochemical characterization of porphyrazines: Electrochemical metal sensor**
KOCA A., Gonca E., Guel A.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, cilt.612, sa.2, ss.231-240, 2008 (SCI-Expanded)
194. **Selective heavy metal receptor functional phthalocyanines bearing thiophenes: Synthesis, characterization, spectroscopy and electrochemistry**
Yarasir M. N., Kandaz M., Senkal B. F., Koca A., Salih B.
DYES AND PIGMENTS, cilt.77, sa.1, ss.7-15, 2008 (SCI-Expanded)
195. **Novel phthalocyanines bearing both quaternizable and bulky substituents**
Dincer H. A., Koca A., Gul A., Kocak M. B.
DYES AND PIGMENTS, cilt.76, sa.3, ss.825-831, 2008 (SCI-Expanded)
196. **Synthesis, Characterization and Electrochemistry of New Soluble Porphyrazine Complexes Bearing Octakis 3-Methylbutylthio Substituents**
ERDOĞMUŞ A., KOCA A., Avciata U., Guel A.
ZEITSCHRIFT FÜR ANORGANISCHE UND ALLGEMEINE CHEMIE, cilt.634, sa.14, ss.2649-2654, 2008 (SCI-Expanded)
197. **Metal-ion sensing and aggregation studies on reactive phthalocyanines bearing soft-metal receptor moieties; synthesis, spectroscopy and electrochemistry**
YARAŞIR M. N., KANDAZ M., Şenkal B. F., KOCA A., SALİH B.
POLYHEDRON, cilt.26, sa.18, ss.5235-5242, 2007 (SCI-Expanded)
198. **Electrochemistry and spectroelectrochemistry of tert-butylcalix[4]arene bridged bis double-decker lutetium(III) phthalocyanine, Lu₂Pc₄ and dimeric lutetium(III) phthalocyanine, Lu₂Pc₂(OAc)₂(2)**
Koca A., Ceyhan T., Erbil M. K., Oezkaya A. R., Bekaroglu O.
CHEMICAL PHYSICS, cilt.340, ss.283-292, 2007 (SCI-Expanded)
199. **Voltammetry and spectroelectrochemical behavior of a novel octapropylporphyrazinato Lead(II) complex**
Yarasir M. N., Koca A., Kandaz M., Salih B.
JOURNAL OF PHYSICAL CHEMISTRY C, cilt.111, sa.44, ss.16558-16563, 2007 (SCI-Expanded)
200. **Polytopic cation receptor functional phthalocyanines: Synthesis, characterization, electrochemistry and metal ion binding**
Yarasir M. N., Kandaz M., Koca A., Salih B.
POLYHEDRON, cilt.26, sa.5, ss.1139-1147, 2007 (SCI-Expanded)
201. **Synthesis and electrochemical characterization of biphenyl-malonic ester substituted cobalt, copper, and palladium phthalocyanines**
Sener M. K., Koca A., Guel A., Kocak M. B.
POLYHEDRON, cilt.26, sa.5, ss.1070-1076, 2007 (SCI-Expanded)
202. **Synthesis of novel unsymmetrical phthalocyanines substituted with crown ether and nitro groups**

- Arslanoglu Y., Koca A., Hamuryudan E.
POLYHEDRON, cilt.26, sa.4, ss.891-896, 2007 (SCI-Expanded)
203. **Electrochemistry, spectroelectrochemistry and electrochemical polymerization of titanylphthalocyanines**
Koca A., Ozkaya A. R., Arslanoglu Y., Hamuryudan E.
ELECTROCHIMICA ACTA, cilt.52, sa.9, ss.3216-3221, 2007 (SCI-Expanded)
204. **Electrochemical and spectroelectrochemical characterization of the phthalocyanines with pentafluorobenzyloxy substituents**
Koca A., Ozkaya A. R., Selcukoglu M., Hamuryudan E.
ELECTROCHIMICA ACTA, cilt.52, sa.7, ss.2683-2690, 2007 (SCI-Expanded)
205. **Water and alcohol-soluble octakis-metalloporphyrazines bearing sulfanyl polyetherol substituents: Synthesis, spectroscopy and electrochemistry**
Kandaz M., Ozkaya A. R., Koca A., Salih B.
DYES AND PIGMENTS, cilt.74, sa.2, ss.483-489, 2007 (SCI-Expanded)
206. **Metal ion sensing multi-functional differently octasubstituted ionophore chiral metalophthalocyanines: Synthesis, characterization, spectroscopy, and electrochemistry**
Kandaz M., Cetin H. S., Koca A., Ozkaya A. R.
DYES AND PIGMENTS, cilt.74, sa.2, ss.298-305, 2007 (SCI-Expanded)
207. **Investigation of the electrocatalytic activity of metalophthalocyanine complexes for hydrogen production from water**
Koca A., Sener M. K., Kocak M. B., Gul A.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.31, sa.15, ss.2211-2216, 2006 (SCI-Expanded)
208. **Spectroelectrochemical characterization and controlled potential chronocoulometric demetallation of tetra- and octa-substituted lead phthalocyanines**
Koca A., Dincer H. A., Cerlek H., Gul A., Kocak M. B.
ELECTROCHIMICA ACTA, cilt.52, sa.3, ss.1199-1205, 2006 (SCI-Expanded)
209. **Alcohol-soluble functional vic-dioxime bearing alcoholhexylsulfanyl moieties: preparation, spectroscopy and electrochemistry**
Kandaz M., Katmer O., Koca A.
TRANSITION METAL CHEMISTRY, cilt.31, sa.7, ss.889-896, 2006 (SCI-Expanded)
210. **Electrochemical characterization of Co(II) and Pd(II) phthalocyanines carrying diethoxymalonyl and carboxymethyl substituents**
Koca A., Dincer H., Kocak M., Gul A.
RUSSIAN JOURNAL OF ELECTROCHEMISTRY, cilt.42, sa.1, ss.31-37, 2006 (SCI-Expanded)
211. **Functional alcohol-soluble double-decker phthalocyanines: synthesis, characterization, electrochemistry and peripheral metal ion binding**
Yarasir M. N., Kandaz M., Koca A., Salih B.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, cilt.10, sa.8, ss.1022-1033, 2006 (SCI-Expanded)
212. **Electrochemical characterization of phthalocyanine derivatives carrying a bulky triester unit on each benzo group**
Koca A., Sener M., Kocak M., Gul A.
TRANSITION METAL CHEMISTRY, cilt.30, sa.4, ss.399-403, 2005 (SCI-Expanded)
213. **Unsymmetrical phthalocyanines with alkynyl substituents**
Kalkan A., Koca A., Bayir Z.
POLYHEDRON, cilt.23, sa.18, ss.3155-3162, 2004 (SCI-Expanded)
214. **A water-soluble multisite ionophore ligand bearing pyridine and aminothiophenol functionality. Synthesis, spectroscopy and electrochemistry of its complexes, and peripheral reactivity of the (E,E)M (M = Ni) complex with Pd²⁺ and Ag⁺**
Kandaz M., Ozkaya A. R., Koca A.
TRANSITION METAL CHEMISTRY, cilt.29, sa.8, ss.847-854, 2004 (SCI-Expanded)
215. **A new redox-active multisite ligand: synthesis, spectroscopy and electrochemistry of its mono and**

dinuclear complexes, and the interaction of (E,E)M (M = Ni) complex with Pd-II and Ag-I

Kandaz M., Koca A., Ozkaya A. R.

POLYHEDRON, cilt.23, sa.11, ss.1987-1996, 2004 (SCI-Expanded)

216. **Photocatalytic hydrogen production by direct sunlight: A laboratory experiment**

Koca A., Sahin M.

JOURNAL OF CHEMICAL EDUCATION, cilt.80, sa.11, ss.1314-1315, 2003 (SCI-Expanded)

217. **Synthesis and electrochemical properties of porphyrazines with annulated 1,4-dithiaheterocycles**

Sesalan B., Koca A., Gul A.

POLYHEDRON, cilt.22, sa.23, ss.3083-3090, 2003 (SCI-Expanded)

218. **Electrochemical investigation on porphyrazines with peripheral crown-ether groups**

Koca A., Saglam O., Gul A.

MONATSHFURTE FUR CHEMIE, cilt.134, sa.1, ss.11-21, 2003 (SCI-Expanded)

219. **Electrochemical investigation of metal-free and nickel-containing porphyrazines carrying eight tosylaminoethylthia groups**

Koca A., Sahin M., Gul A., Uslu R.

MONATSHFURTE FUR CHEMIE, cilt.133, sa.8, ss.1135-1145, 2002 (SCI-Expanded)

220. **Synthesis, characterization, and electrochemical properties of a novel macrocyclic ligand and its transition metal complexes**

Yilmaz I., Kandaz M., Ozkaya A. R., Koca A.

MONATSHFURTE FUR CHEMIE, cilt.133, sa.5, ss.609-622, 2002 (SCI-Expanded)

221. **Synthesis, spectroscopy and redox properties of a novel (E-E) vic-dioxime and its mono-, di- and trinuclear complexes bearing an 18-membered N2O2S2 macrocycle**

Kandaz M., Yilmaz I., Keskin S., Koca A.

POLYHEDRON, cilt.21, sa.8, ss.825-834, 2002 (SCI-Expanded)

222. **Photocatalytic hydrogen production by direct sun light from sulfide/sulfite solution**

Koca A., Sahin M.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.27, sa.4, ss.363-367, 2002 (SCI-Expanded)

223. **Synthesis, characterization and electrochemistry of novel differently octasubstituted phthalocyanines**

Kandaz M., Yarasir M., Koca A., Bekaroglu O.

POLYHEDRON, cilt.21, sa.3, ss.255-263, 2002 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

1. **Peripherally tetra 1,2,4-triazole substituted novel phthalocyanines: synthesis, characterization, electrochemical and spectroelectrochemical properties**

Aktaş Kamiloğlu A., Aydemir M., Acar İ., Sarkı G., Koca A., Gümrükçüoğlu N., Ocak Ü., Kantekin H.

Karadeniz Chemical Science and Technology, sa.1, ss.22-30, 2017 (Hakemli Dergi)

2. **Electrochemical pesticide sensor based on anthraquinone substituted copper phthalocyanine**

İpek Y., Şener M. K., Koca A.

International Journal of Chemistry and Technology, cilt.1, ss.74-85, 2017 (Hakemli Dergi)

3. **An Effective Way to Determine the Diffusion Coefficient Using Double Potential Step Chronocoulometry An Undergraduate Physical Chemistry Laboratory Experiment**

Koca A., Üce M., Özkaya A. R., Şahin M.

The Chemical Educator, cilt.12, sa.3, ss.185-189, 2007 (Hakemli Dergi)

Kitap & Kitap Bölümleri

1. **Fen Bilimleri 7**

KOCA A., KAYA O. N., ÜNSAL Y., TÜYSÜZ C., YÜRÜMEZOĞLU K., ÖZSEVGEÇ T., SELVİ M., EREZ M. E., TEMİZ B. K., Benli Özdemir E., et al.

MEB, 2017

2. **FEN BİLİMLERİ 4 SINIF 1 KİTAP**

KOCA A.

MEB, 2016

3. **FEN BİLİMLERİ 4 SINIF 2 KİTAP**

KOCA A.

MEB, 2016

4. **FEN BİLİMLERİ 4 SINIF 3 KİTAP**

KOCA A.

MEB, 2016

5. **FEN BİLİMLERİ 3 SINIF 2 KİTAP**

KOCA A.

MEB, 2016

6. **Fen Bilimleri 3 SINIF 1 KİTABI**

KOCA A.

MEB DEVLET KİTAPLARI, 2016

7. **FEN BİLİMLERİ 3 SINIF 3 KİTAP**

KOCA A.

MEB, 2016

8. **FEN BİLİMLERİ 4 SINIF 2 KİTAP**

KOCA A.

MEB, 2016

9. **FEN BİLİMLERİ 6 SINIF**

KOCA A.

MEB, 2016

10. **Spectroelectrochemistry of Phthalocyanines**

Koca A.

Electrochemistry of N4 Macrocyclic Metal Complexes, Jose H.Zagal, Editör, Springer, London/Berlin , Zürich, ss.135-200, 2016

11. **Ortaokul Fen Bilimleri 6 Sınıf**

KOCA A., KAYA O. N., TÜYSÜZ C., YÜRÜMEZOĞLU K., ÖZSEVGEÇ T., SELVİ M., BALIM A. G., ERDOĞAN M., KÜÇÜKÖZER H., SARIÇAYIR H., et al.

MEB Yayınları Devlet Kitapları, Ankara, 2015

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

1. **Photoelectrochemical Performance of Cd_{0.8}Zn_{0.2}SxSe_{1-x} Photoelectrodes Fabricated by Electrodeposition Method**

Budak Ö., Uğuz Neli Ö., Koca A.

6 th International Hydrogen Technologies Congress (IHTEC-2022), Çanakkale, Türkiye, 23 - 26 Ocak 2022

2. **Fabrication of Azide-Functionalized Reduced Graphene Oxide Bearing and ZnPc Decorated Cd_{0.6}Zn_{0.2}Ni_{0.2}S_{0.2}Se_{0.8} Photoelectrode and Its Photoelectrochemical Properties /**

Uğuz Neli Ö., Budak Ö., Varol D. E., Keskin B., Koca A.

6th International Hydrogen Technologies Congress, Çanakkale, Türkiye, 23 - 26 Ocak 2022, ss.104-106

3. **Studies on the Photoelectrochemical Performance of Mo, Ni and Cu Decorated RGO-CdS_{0.2}Se_{0.8} Photoelectrodes Fabricated by Electrodeposition Method**

Uğuz Neli Ö., Budak Ö., Başey A. N., Koca A.

72nd Annual ISE Meeting, Jeju-Si, Güney Kore, 29 Ağustos - 03 Eylül 2021, ss.114-115

4. **Photoelectrochemical Performance of RGO-CdS_{0.2}Se_{0.8} Photoelectrodes Prepared by One-step Electrodeposition Method**
Budak Ö., Uğuz Neli Ö., Başey A. N., Koca A.
72nd Annual Meeting of the International Society of Electrochemistry, Jeju-Si, Güney Kore, 29 Ağustos - 03 Eylül 2021
5. **Analyzing various parameters on supercapacitor performance**
BUDAK Ö., UĞUZ Ö., KOCA A.
2nd International Eurasian Conference on Science, Engineering and Technology, Gaziantep, Türkiye, 7 - 09 Ekim 2020
6. **Triazol Grubu İçeren Periferal Tetra CoII, CuII, MnIIICl ve TiIVOFtalosiyanın Bileşiklerinin Spektroskopik ve Elektrokimyasal Özelliklerinin İncelenmesi**
Yalazan H., AKYÜZ ÇUBUKÇU D., Ünlüer D., KOCA A., KANTEKİN H.
32. Ulusal Kimya Kongresi, Türkiye, 17 - 19 Eylül 2020
7. **ESERİN TESPİTİ İÇİN MODİFİYE KARBON PASTA ELEKTROT GELİŞTİRİLMESİ**
İPEK Y., KOCA A.
MUNZUR 1. ULUSLARARASI UYGULAMALI BİLİMLER KONGRESİ, 24 - 26 Mayıs 2019
8. **A comparison photocatalytic and photoelectrochemical hydrogen performances of heteroatoms (Mo, Ni and Cu) decorated RGO-Cd(1-x)Zn_xS synthesized with solvothermal and sulphurization methods**
AKYÜZ ÇUBUKÇU D., ÖZKAYA A. R., KOCA A.
4th International Hydrogen Technologies Congress, IHTC, 20 - 23 Haziran 2019
9. **Enhanced Photoelectrochemical activity of Reduced Graphene Oxide decorated Cd_xZn_{1-x}S photocatalyst for Hydrogen Production**
AYAZ R. M. Z., AKYÜZ ÇUBUKÇU D., UĞUZ Ö., TANIŞIK İ., SARIOĞLU C., KARACA ALBAYRAK F., ÖZKAYA A. R., KOCA A.
4th International Hydrogen Technologies Congress, IHTC, 20 - 23 Haziran 2019
10. **Synthesis of Magnetically Separable Visible Light Driven Photocatalysts for H₂ Generation**
YILMAZ S., KERKEZ KUYUMCU Ö., KOCA A., AKYÜZ ÇUBUKÇU D., AYAZ R. M. Z.
4th International Hydrogen Technologies Congress, IHTC, 20 - 23 Haziran 2019
11. **Photoelectrochemical-Photocatalytic Dual Hydrogen Production of RGO-Cd_{1-x}Zn_xS**
UĞUZ Ö., AKYÜZ ÇUBUKÇU D., AYAZ R. M. Z., YILMAZ S., SARIOĞLU C., KARACA ALBAYRAK F., ÖZKAYA A. R., KOCA A.
4th International Hydrogen Technologies Congress, IHTC, 20 - 23 Haziran 2019
12. **Photoelectrochemical-Photocatalytic Dual Hydrogen Production System**
UĞUZ Ö., AKYÜZ D., AYAZ R. M. Z., YILMAZ S., SARIOĞLU C., KARACA ALBAYRAK F., ÖZKAYA A. R., KOCA A.
4th International Hydrogen Technologies Congress, 20 - 23 Haziran 2019
13. **Photo(electro)catalytic Activity of Magnetically Modified TiO₂ Nanoparticles**
YILMAZ S., KERKEZ KUYUMCU Ö., KOCA A., AKYÜZ ÇUBUKÇU D., AYAZ R. M. Z.
International conference on sustainable energy and energy calculations, ICSEEC, 29 - 30 Mayıs 2019
14. **The Effect of Photo-induced Phase Transformation on RGO-Cd(1-x)Zn_xS Photoelectrodes**
AKYÜZ ÇUBUKÇU D., KOCA A.
The 2nd International Conference on Applications in Chemistry and Chemical Eng. (ICACCHE), 10 - 14 Ekim 2018
15. **Synthesis, Characterizations and Photocatalytic Hydrogen Production Applications**
AKYÜZ ÇUBUKÇU D., KOCA A.
The 2nd International Conference on Applications in Chemistry and Chemical Engineering (ICACCHE) (, 10 - 14 Ekim 2018
16. **Electrochemical Sensing Applications of Metallophthalocyanines (MPCs)**
UĞUZ Ö., AKYÜZ ÇUBUKÇU D., KOCA A.
69th Annual ISE Meeting, 2 - 07 Eylül 2018
17. **Photocatalytic Hydrogen Production with The Heteroatom Doped RGO-Cd(1-x)Zn_xS Nanocomposites**
AKYÜZ ÇUBUKÇU D., KOCA A.
Xiii Hydrogen - Power Theoretical and Engineering Solutions International Symposium, 24 - 27 Temmuz 2018

18. **Role of Alternative Co-catalysts on The Activity of RGO-Cd(1-x)ZnxS Photocatalyst for the Photocatalytic Hydrogen Production**
 AKYÜZ ÇUBUKÇU D., KOCA A.
 Xiii Hydrogen - Power Theoretical and Engineering Solutions International Symposium, 24 - 27 Temmuz 2018
19. **Non-peripheral metallo-phthalocyanines containing thiazole moieties: Synthesis, electrochemical, and spectroelectrochemical properties**
 YENİLMEZ H. Y., Zengin Uzunmehmetoğlu H., KOCA A., BAYIR Z.
 20. Frühjahrssymposium JungChemikerForum, 21 - 24 Mart 2018
20. **Hydrogen Production from Water as Photoelectrochemical by using Solar Light Irradiation**
 AYAZ R. M. Z., AKYÜZ D., UĞUZ Ö., TANIŞIK İ., SARIOĞLU C., KARACA ALBAYRAK F., ÖZKAYA A. R., KOCA A.
 3rd International Hydrogen Technologies Congress, 15 - 18 Mart 2018
21. **The Effect of Co-Catalyst and Novel Heterogeneous Active Photocatalysts for Hydrogen Evolution Under Solar Energy**
 AKYÜZ D., UĞUZ Ö., TANIŞIK İ., AYAZ R. M. Z., SARIOĞLU C., KARACA ALBAYRAK F., ÖZKAYA A. R., KOCA A.
 3rd International Hydrogen Technologies Congress, 15 - 18 Mart 2018
22. **Active Photocatalysts Designed by Sulphurization Method for Hydrogen Production**
 TANIŞIK İ., AKYÜZ D., AYAZ R. M. Z., UĞUZ Ö., SARIOĞLU C., KARACA ALBAYRAK F., ÖZKAYA A. R., KOCA A.
 3rd International Hydrogen Technologies Congress, 15 - 18 Mart 2018
23. **Photoelectrochemical Hydrogen Production Using Cd(1-x)ZnxS and Its Modifications with Graphene Derivatives**
 UĞUZ Ö., AKYÜZ D., AYAZ R. M. Z., TANIŞIK İ., SARIOĞLU C., KARACA ALBAYRAK F., ÖZKAYA A. R., KOCA A.
 3rd International Hydrogen Technologies Congress, 15 - 18 Mart 2018
24. **Photocatalytic Hydrogen Production From Water Under Sun Light**
 AKYÜZ D., ALEMDER N., KARACA ALBAYRAK F., KOCA A.
 The 2nd International Conference On Applications In Chemistry And Chemical Engineering (icacche), 11 - 15 Ekim 2017
25. **Electrode Modifications, Characterizations And Electrochemical Applications Of Metallophthalocyanines**
 KOCA A., AKYÜZ D., ALEMDER N., KARACA ALBAYRAK F.
 The 2nd International Conference On Applications In Chemistry And Chemical Engineering (icacche), 11 - 15 Ekim 2017
26. **PANI-BASED HYDROGEL FOR GLUCOSE SENSING**
 ALEMDAR N., AYCAN D., KOCA A., ULUTÜRK C., AKYÜZ D.
 International Conference on Applications in Chemistry and Chemical Engineering, Saraybosna, Bosna-Hersek, 11 - 15 Ekim 2017
27. **Electrode modifications, characterizations and electrochemical applications of metallophthalocyanines**
 KOCA A., akyüz d., ALEMDAR N., KARACA ALBAYRAK F.
 International Conference on Applications in Chemistry and Chemical Engineering, Sarajevo, 11 - 15 Ekim 2017
28. **Electropolymerization of Metallophthalocyanines Carrying Redox Active Metal Centers: Electrochemical Pesticide Sensing application**
 ÖZKAYA A. R., AKYÜZ D., Keleş T., BIYIKLIOĞLU Z., Albayrak F. K., KOCA A.
 68th Annual Meeting of the International Society of Electrochemistry, Providence, Amerika Birleşik Devletleri, 27 Ağustos - 01 Eylül 2017
29. **Electrochemical Pesticide Sensors Based on Electropolymerized Metallophthalocyanines**
 KOCA A., AKYÜZ D., Keleş T., BIYIKLIOĞLU Z., Albayrak F. K., ÖZKAYA A. R.
 68th Annual Meeting of the International Society of Electrochemistry, 27 Ağustos - 01 Eylül 2017
30. **Electrochemical, Spectroelectrochemical, Electrocolorimetric, and Electrocatalytic Properties of Metal Phthalocyanine Compounds**
 ÖZKAYA A. R., ORMAN E. B., ODABAŞ Z., KOCA A.
 68th Annual Meeting of the International Society of Electrochemistry, 27 Ağustos - 01 Eylül 2017

31. **Solid State Electropolymerization of Manganese Phthalocyanine coated with Langmuir-Blodgett and Click Electrochemistry**
KOCA A., AKYÜZ ÇUBUKÇU D., KARACA ALBAYRAK F., ÖZKAYA A. R.
68th Annual Meeting of the International Society of Electrochemistry, 27 Ağustos - 01 Eylül 2017
32. **Solid State Electropolmerization of Manganese Phthalocyanine coated with Langmuir-Blodgett and Click Electrochemistry**
KOCA A., AKYÜZ D., Albayrak F. K., ÖZKAYA A. R.
68th Annual Meeting of the International Society of Electrochemistry, Providence, Amerika Birleşik Devletleri, 27 Ağustos - 01 Eylül 2017
33. **Rgo-cdzns-pt As Active Photocatalyst For Hydrogen Evolution From Water Under Solar Energy**
AKYÜZ D., KOCA A.
The 7 Th World Hydrogen Technology Convention Together With Czech Hydrogen Days 2017, 9 - 12 Temmuz 2017
34. **RGO-Cd(1-x)ZnxS-Pt as Active Photocatalyst for Hydrogen Evolution from Water Under Solar Energy**
AKYÜZ ÇUBUKÇU D., KOCA A.
The 7th World Hydrogen Technology Convention Together With Czech Hydrogen Days 2017, 9 - 12 Haziran 2017
35. **Gram Negatif Bakterilerdeki Sinyal Moleküllerini Saptamaya Yönelik Elektrokimyasal Biyosensör**
ÖZCAN Ş. M., AKYÜZ D., KOCA A., SESAL N. C.
IVEK 3rd International Convention of Pharmaceuticals and Pharmacies, 26 - 29 Nisan 2017
36. **Synthesis and Electrochemical Characterization of 1,3-Bis(5-methyl-2-thiazolylimino)isoindolinatopalladium(II) Complex Containing Electropolymerizable Substituent**
ŞENER M. K., GÖKTUĞ Ö., AKYÜZ D., KOCA A.
JCF-Frühjahrssymposium, Mainz, Almanya, 29 Mart - 01 Nisan 2017
37. **Oxygen Production on Asymmetric Terminal Alkynyl Zinc Phthalocyanines and Modified Electrodes Using Click Electrochemical Technique**
AKYÜZ ÇUBUKÇU D., KOCA A.
2nd International Hydrogen Technologies Congress, 15 - 18 Mart 2017
38. **Oxygen Production On Asymmetric Terminal Alkynyl Zinc Phthalocyanines And Modified Electrodes Using Click Electrochemical Tecnique**
AKYÜZ D., KOCA A.
2 Nd International Hydrogen Technologies Congress, 15 - 18 Mart 2017
39. **Açıl Homoserin Laktonların Elektrokimyasal Metot ile Algılanması**
ÖZCAN Ş. M., SESAL N. C., KOCA A.
2nd IVEK International Convention of Pharmaceuticals and Pharmacies, 27 - 29 Kasım 2016
40. **Electrochemical Detection of N Acyl Homoserine Lactone with TEMPO Zinc Phthalocyanine Modified Electrode**
ÖZCAN Ş. M., KOCA A., ŞENER M. K., SESAL N. C.
4th International BAU Drug Design Congress, 13 - 15 Ekim 2016
41. **Electropolimerized film of 1 3 Bis 2 pyridylimino isoindolato palladium complex Biosensor Application**
AK M., YAZICI T., KOCA A., ŞENER M. K.
3 rd international congress on biosensors, 5 - 07 Ekim 2016
42. **Electrochemical Detection of N Acyl Homoserine Lactone with Non peripheral Manganese Phthalocyanine Modified Electrode**
ÖZCAN Ş. M., KOCA A., SESAL N. C.
8th International Conference on Image Processing, Wavelet and Applications, 22 - 24 Eylül 2016
43. **Spectroelectrochemistry of Metallophthalocyanines Having Redox Active Metal Centers**
SARIÇAYIR H., TÜYSÜZ C., KOCA A.
67th Annual Meeting of the International Society of Electrochemistry, 21 - 26 Ağustos 2016
44. **Electrochromism of metallophthalocyanines immobilized with click electrochemistry**
AKYÜZ D., DİNÇER H., KOCA A.

67th Annual Meeting of the International Society of Electrochemistry, 21 - 26 Ağustos 2016

45. **Electropolymerization of Metallophthalocyanines and their Application as Pesticide Sensors**

ÖZEN Ü. E., KELEŞ T., BIYIKLIOĞLU Z., ÖZKAYA A. R., KOCA A.

The 67th Annual Meeting of the International Society of Electrochemistry, 21 - 26 Ağustos 2016

46. **Metallophthalocyanine Based Conducting Electroactive Electropolymers and Their Applications As Electrochemical Pesticide Sensors**

ERGİN Ü., BIYIKLIOĞLU Z., ÖZKAYA A. R., KOCA A.

229th ECS Meeting, 29 Mayıs - 02 Haziran 2016

47. **Electrocatalytic Hydrogen Production**

AKYÜZ D., ÖZKAYA A. R., KOCA A.

229th ECS Meeting, 29 Mayıs - 02 Haziran 2016

48. **Synthesis and electropolymerization properties of cobalt manganese and titanium phthalocyanines bearing 4,2-morpholin-4-ylethoxy benzyl oxy groups**

ÖZEN Ü. E., KELEŞ T., BIYIKLIOĞLU Z., KOCA A.

2nd International Conference on Organic Electronic Material Technologies, 17 - 19 Mayıs 2016

49. **Synthesis and electrochemical properties of electropolymerizable metallophthalocyanines bearing 2,4,4'-methylphenyl methylene amino phenyl ethoxy groups**

KELEŞ T., ÖZEN Ü. E., KOCA A., BIYIKLIOĞLU Z.

2nd International Conference on Organic Electronic Material Technologies, 17 - 19 Mayıs 2016

50. **Peripheral tetra substituted metallophthalocyanines carrying redox active cobalt II manganese III titanium IV center and their electropolymerization properties**

KELEŞ T., ÖZEN Ü. E., BIYIKLIOĞLU Z., KOCA A.

2nd International Conference on Organic Electronic Material Technologies, 17 - 19 Mayıs 2016

51. **Synthesis of EDOT Functionalized 1,3-Bis(2-pyridyl)imino isoindolines and Their Metal Complexes**

ŞENER M. K., YAZICI T., KOCA A.

18th JCF-Frühjahrssymposium, 16 - 19 Mart 2016

52. **Synthesis And Characterization Of Novel Metallophthalocyanines**

KAKI E. H., Gögsu N., SALİH B., Bekaroğlu Ö.

1st International Turkic World Conference on Chemical Sciences and Technologies, Sarajevo, Bosna-Hersek, 27 Ekim - 01 Kasım 2015

53. **Electrocatalytic and Photocatalytic Hydrogen Production**

Burak A., Aydemir M., Akyüz D., ŞENER M. K., KOCA A.

The 66th Annual Meeting of the International Society of Electrochemistry, 4 - 09 Ekim 2015

54. **Selective Fluoride sensor Electrode Based on Electropolymerized Titanyl Phthalocyanine Complex**

ÖZKAYA A. R., KOCA A.

21st International Symposium on Fluorine Chemistry, 23 - 28 Ağustos 2015

55. **Hydrogen Evolution reaction on an electrode modified with click electrochemistry**

AKYÜZ D., ÖZKAYA A. R., KOCA A.

11th ECHEMS - Electrochemistry in renewable energy based on molecular mechanisms, 15 - 18 Haziran 2015

56. **Oxygen Sensing Properties of Titanyl Phthalocyanines**

KOBAK R. Z., Akyüz D., KOCA A.

11th ECHEMS - Electrochemistry in renewable energy based on molecular mechanisms, 15 - 18 Haziran 2015

57. **PHOTOCATALYTIC ELECTROCATALYTIC DUAL HYDROGEN PRODUCTION SYSTEM**

Aydemir M., Akyüz D., Burak A., KOCA A.

The International Conference on Hydrogen Production (ICH2P-15), 3 - 06 Mayıs 2015

58. **Synthesis of TEMPO Stable Free Radical Appended Zinc Phthalocyanine**

ŞENER M. K., EKEN KORKUT S., KOCA A.

17. JFC-Frühjahrssymposium, 25 - 28 Mart 2015

59. **Synthesis of Anthraquinone Substituted Cobalt Phthalocyanine**

Sibel EKEN K., ŞENER M. K., KOCA A.

ALL IN ONE CONFERENCES, International Conference on New Trends in Chemistry, 24 - 28 Mart 2015

60. Electrochromism of Electropolymerized Metallophthalocyanines

SARIÇAYIR H., KOCA A.

65th Annual meeting of the International Society of Electrochemistry, 13 - 16 Ağustos 2014

Akademik İdari Deneyim

2016 - Devam Ediyor	Bölüm Başkanı	Marmara Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü
2015 - Devam Ediyor	Anabilim/Bilim Dalı Başkanı	Marmara Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü

Yönetilen Tezler

- Koca A., CHALCOGENIDES IN PHOTOELECTROCHEMICAL HYDROGEN PRODUCTION APPLICATION AND CHARACTERIZATION, Yüksek Lisans, R.MUHAMMAD(Öğrenci), 2019
- Koca A., ÖZKAYA A. R., GRAFEN-HETEROATOM TEMELLİ KATALİZÖRLERİN SENTEZİ, KARAKTERİZASYONU VE HİDROJEN ÜRETİMİNDE KULLANIMI, Doktora, D.AKYÜZ(Öğrenci), 2019
- Koca A., DESIGN AND CHARACTERIZATION OF ACTIVE PHOTOCATALYSTS BASED ON TRANSITION METAL CHALCOGENIDES, Yüksek Lisans, İ.TANIŞIK(Öğrenci), 2019
- Koca A., KERKEZ KUYUMCU Ö., Synthesis and characterization of magnetic photocatalysts for hydrogen generation, Yüksek Lisans, S.YILMAZ(Öğrenci), 2019
- Koca A., Özkaya A. R., Metalliflasiyanin temelli iletken redoks aktif polimerlerin geliştirilmesi ve elektrokimyasal pestisit sensörü olarak kullanımları, Yüksek Lisans, Ü.ERGİN(Öğrenci), 2018
- KOCA A., SESAL N. C., Açıl homoserin lakton moleküllerinin elektrokimyasal metod ile algılanması, Yüksek Lisans, Ş.MARAL(Öğrenci), 2017
- KOCA A., Investigation of semiconductive sulfur based catalysts for hydrogen production, Yüksek Lisans, B.AGOPCAN(Öğrenci), 2017
- KOCA A., Development of electrochemical sensors for pesticide detection, Doktora, Y.İPEK(Öğrenci), 2015
- KOCA A., ÖZKAYA A. R., Elektrokatalitik hidrojen üretimi, Yüksek Lisans, D.AKYÜZ(Öğrenci), 2015
- KOCA A., Electrode modification based on metallophthalocyanines and their electrochemical applications, Yüksek Lisans, M.AYDEMİR(Öğrenci), 2014
- KOCA A., Electrochromic devices based on sandwich metallophthalocyanines, Yüksek Lisans, C.BOZOĞLU(Öğrenci), 2013
- KOCA A., Electrochemical and spectroelectrochemical characterization of phthalocyanines and determination of their electrochemical application fields, Yüksek Lisans, F.DEMİR(Öğrenci), 2013
- KOCA A., Investigation of the electrochromic properties of monophthalocyanine complexes bearing electrochromic substituents, Yüksek Lisans, D.ARICAN(Öğrenci), 2013
- KOCA A., Modification, characterization and biosensor application of composite electrodes, Yüksek Lisans, A.BERNA(Öğrenci), 2012
- KOCA A., Denizcilik eğitimi veren okullarda çevre eğitim programının geliştirilmesi, Yüksek Lisans, Y.ÖZTÜRK(Öğrenci), 2010
- KOCA A., Investigation of electrocatalytic activity of various macromolecular complexes for hydrogen production from water, Yüksek Lisans, Ö.AYKUT(Öğrenci), 2008
- KOCA A., İlköğretim öğrencilerinin sürdürülebilir enerji farkındalıklarının belirlenmesi ve geliştirilmesi, Yüksek Lisans, E.TEMOÇİN(Öğrenci), 2007

Metrikler

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Atıf (Scopus): 4035

H-İndeks (WoS): 34

H-İndeks (Scopus): 34

Araştırma Alanları

Kimyasal Teknolojiler, Elektrokimyasal Teknolojiler, Elektrokimya, İletken Polimerler, Nanokompozitler, Polimerik Filmler, Yakıt Pilleri, Kataliz, Organometalik Kimya

Akademi Dışı Deneyim

MİLLÎ EĞİTİM BAKANLIĞI