

Kişisel Bilgiler

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Araştırma Alanları

Temel Bilimler

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayımlanan Makaleler

- I. **Nitrate Ion Sensing Properties of Peripheral 3,4,5-Trimethoxyphenoxy and Chlorine Substituted Metallo and Metal-free Phthalocyanines**
Bilen Şentürk C., ŞAHİN A. N., Çetin A., ALTINDAL A., ODABAŞ Z.
Journal of Inorganic and Organometallic Polymers and Materials, cilt.32, sa.4, ss.1436-1447, 2022 (SCI-Expanded)
- II. **A series of asymmetric zinc (II) phthalocyanines containing fluoro and alkynyl groups: Synthesis and examination of humidity sensing performance by using QCM based sensor**
Ahmetali E., Pekbelgin Karaoğlu H. R., Urfa Y., ALTINDAL A., Koçak M.
MATERIALS CHEMISTRY AND PHYSICS, cilt.254, 2020 (SCI-Expanded)
- III. **Investigation of the photoconductive properties of thiophene substituted metallo-phthalocyanines**
Kumral E., Yenilmez H. Y., Albayrak S., Şahin A. N., Altındal A., Bayır Z.
DALTON TRANSACTIONS, cilt.49, ss.9385-9392, 2020 (SCI-Expanded)
- IV. **Thiazole-substituted non-symmetrical metallophthalocyanines: synthesis, characterization, electrochemical and heavy metal ion sensing properties**
Beduoğlu A., Sevim A. M., Koca A., Altındal A., Bayır Z.
NEW JOURNAL OF CHEMISTRY, cilt.44, ss.5201-5210, 2020 (SCI-Expanded)
- V. **Sensing alcohol vapours with novel unsymmetrically substituted metallophthalocyanines**
Polat M. P., Akyuz D., Yenilmez H. Y., KOCA A., ALTINDAL A., Bayır Z.
DALTON TRANSACTIONS, cilt.48, sa.25, ss.9194-9204, 2019 (SCI-Expanded)
- VI. **pi-Extended hexadeca-substituted cobalt phthalocyanine as an active layer for organic field-effect transistors**
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- VII. **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., Bayır Z.
DYES AND PIGMENTS, cilt.156, ss.267-275, 2018 (SCI-Expanded)
- VIII. **Ferrocenyl Phthalocyanine as Donor in Non-Poly(3-hexylthiophen-2,5-diyl) Bulk Heterojunction Solar Cell**
NAR I., Atsay A., ALTINDAL A., Hamuryudan E., Koçak M., Guel A.

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- IX. Synthesis, characterization and OFET property of four diaminouracil bridged novel ball-type phthalocyanines**
Yazici A., Avci A., ALTINDAL A., SALİH B., Bekaroglu O.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, cilt.22, ss.149-156, 2018 (SCI-Expanded)
- X. 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., Bayir Z. A.
INORGANICA CHIMICA ACTA, cilt.459, ss.51-62, 2017 (SCI-Expanded)
- XI. Partition coefficient-Lewis basicity correlation in four dioxycyclobutenedion-bridged novel ball-type phthalocyanines**
Yazici A., Dalbul N., ALTINDAL A., SALİH B., Bekaroglu O.
SYNTHETIC METALS, cilt.212, ss.25-30, 2016 (SCI-Expanded)
- XII. Microwave-assisted synthesis of novel non-peripherally substituted metallophthalocyanines and their sensing behaviour for a broad range of Lewis bases**
Duruk E. G., Yenilmez H. Y., ALTINDAL A., BAYIR Z. A.
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- XIII. Synthesis, characterization and gas sensing properties of novel homo and hetero dinuclear ball-type phthalocyanines**
Kaki E., ALTINDAL A., SALİH B., Bekaroglu O.
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- XIV. Kinetics of CO₂ adsorption on ball-type dicopper phthalocyanine thin film**
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- XV. Ethanol sensing property of novel phthalocyanines substituted with 3,4-dihydroxy-3-cyclobuten-1,2-dione**
Yazici A., Dalbul N., ALTINDAL A., SALİH B., Bekaroglu O.
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- XVI. A.c. and d.c. conduction processes in octakis[(4-tert-butylbenzylthio)-porphyrinato]Cu(II) thin films with gold electrodes**
KESKİN B., ALTINDAL A., Avciata U., Gül A.
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- XVII. Synthesis, characterization, oxygen electrocatalysis and OFET properties of novel mono- and ball-type metallophthalocyanines**
BAŞAK A. S., ÖZKAYA A. R., ALTINDAL A., SALİH B., ŞENGÜL A., Bekaroglu O.
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- XVIII. Synthesis, characterization, electrochemistry and VOC sensing properties of novel metallophthalocyanines with four cyclohexyl-phenoxyphthalonitrile groups**
Kaki E., ÖZKAYA A. R., ALTINDAL A., SALİH B., Bekaroglu O.
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- XIX. Analysis of rectifying behavior of novel ball-type binuclear phthalocyanine based devices**
Yazici A., Ozkan C., Gezer M. B., ALTINDAL A., SALİH B., Bekaroglu O.
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- XX. Synthesis, characterization, OFET and electrochemical properties of novel dimeric metallophthalocyanines**
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- XXI. Synthesis of Ni(II) porphyrazine peripherally 4-tert-butylbenzylthio moiety and electronic Schottky barrier diode octa-substituted with the properties of the Al/Ni(II)Pz/p-Si Schottky barrier diode**
KESKİN B., DENKTAŞ C., ALTINDAL A., Avciata U., Gül A.
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- XXII. **Dielectric, conduction and interface properties of Au/Pc/p-Si Schottky barrier diode**
ALTINDAL A., COŞKUN M., Bekaroglu O.
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- XXIII. **Synthesis, interface (Au/M2Pc2/p-Si), electrochemical and electrocatalytic properties of novel ball-type phthalocyanines**
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- XXIV. **Phthalocyanine with a giant dielectric constant**
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- XXV. **Photovoltaic and electrocatalytic properties of novel ball-type phthalocyanines bridged with four dicumarol**
SALAN Ü., ALTINDAL A., ÖZKAYA A. R., SALİH B., Bekaroglu O.
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- XXVI. **Synthesis, characterization, and electrochemical and electrical properties of novel mono and ball-type metallophthalocyanines with four 9,9-bis(4-hydroxyphenyl)fluorene**
Ağırtaş M. S., Altindal A., SALİH B., SAYDAM S., Bekaroglu O.
DALTON TRANSACTIONS, cilt.40, sa.13, ss.3315-3324, 2011 (SCI-Expanded)
- XXVII. **Synthesis and electrochemical, electrical and gas sensing properties of novel mononuclear metal-free, Zn(II), Ni(II), Co(II), Cu(II), Lu(III) and double-decker Lu(III) phthalocyanines substituted with 2-(2H-1,2,3-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl) phenoxy**
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- XXVIII. **Synthesis and characterization, novel across adjacent ring formed phthalocyanine**
ELMALI D., Altindal A., ÖZKAYA A. R., SALİH B., Bekaroglu O.
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- XXIX. **Synthesis and electrochemical, in situ spectroelectrochemical, electrical and gas sensing properties of ball-type homo- and hetero-dinuclear phthalocyanines with four [1a,8b-dihydronaphtho[b]naphthofuro[3,2-d]furan-7,10-diyl] bridges**
ODABAŞ Z., Koc I., Altindal A., ÖZKAYA A. R., SALİH B., Bekaroglu O.
SYNTHETIC METALS, cilt.160, ss.967-977, 2010 (SCI-Expanded)
- XXX. **Novel ball-type homo- and hetero-dinuclear phthalocyanines with four 1,1'-methylenedipthalen-2-ol bridges: Synthesis and characterization, electrical and gas sensing properties and electrocatalytic performance towards oxygen reduction**
ODABAŞ Z., Altindal A., ÖZKAYA A. R., SALİH B., Bekaroglu O.
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- XXXI. **Novel ball-type four dithioerythritol bridged metallophthalocyanines and their water-soluble derivatives: Synthesis and characterization, and electrochemical, electrocatalytic, electrical and gas sensing properties**
Ceyhan T., Altindal A., ÖZKAYA A. R., SALİH B., Bekaroglu O.
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- XXXII. **Synthesis, characterization, and electrocatalytic and electrical properties of novel ball-type four cyclopentyl-disilanoxy-POSS bridged metallophthalocyanines**
Ceyhan T., Altindal A., ÖZKAYA A. R., SALİH B., Bekaroglu O.
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- XXXIII. **Ball-type supramolecular metallophthalocyanines with eight perfluorodecyl units: chemosensors for SO₂ and electrocatalysts for oxygen reduction**
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- XXXIV. **Synthesis, characterization, electrochemical and CO₂ sensing properties of novel mono and ball-type phthalocyanines with four phenolphthalein units**

- ALTUN S., Altindal A., ÖZKAYA A. R., Bulut M., Bekaroglu O.
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- XXXV. **Synthesis, characterization, and electrochemical, and electrical measurements of novel 4,4'-isopropylidendioxydiphenyl bridged bis and cofacial bis-metallophthalocyanines (Zn, Co)**
CANLICA M., Altindal A., ÖZKAYA A. R., SALİH B., Bekaroglu O.
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- XXXVI. **Synthesis and characterization of novel cofacial bis-phthalocyanines containing 16-crown-5 ether groups**
ÖZER M., Altindal A., Salih B., Bulut M., Bekaroglu O.
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- XXXVII. **Synthesis and characterization of novel 4-nitro-2-(octyloxy)phenoxy substituted symmetrical and unsymmetrical Zn(II), Co(II) and Lu(III) phthalocyanines**
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- XXXVIII. **Synthesis, characterization and electrochemical properties of novel metal free and zinc(II) phthalocyanines of ball and clamshell types**
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- XXXIX. **Synthesis, characterization and electrical properties of novel mono- and cofacial bisphthalocyanines bridged with four [1a,8b-dihydronaphtho[b]naphthofuro[3,2-d]furan-7,10-diyl] units**
Odabas Z., Altindal A., Salih B., Bulut M., Bekaroglu O.
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- XL. **Synthesis, characterization, and electrochemical and electrical properties of novel mononuclear and binuclear ball-type Zn(II) phthalocyanines substituted with 1a,8b-dihydronaphtho[b]naphthofuro-[3,2-d]furan-7,10-diyl**
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- XLI. **Synthesis, characterization, and electrochemical and electrical properties of a novel ball-type hexanuclear metallophthalocyanine, bridged by calix[4]arenes substituted with four hexylthiometallophthalocyanines through nitro coupling**
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- XLIV. **Halogen sensing using thin films of crosswise-substituted phthalocyanines**
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- XLV. **ELECTRICAL-PROPERTIES OF TETRAAZAMACROCYCLE-SUBSTITUTED PHTHALOCYANINES**
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