

Prof. Ahmet ALTINDAL

Personal Information

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Education Information

Doctorate, Marmara University, Faculty Of Arts And Sciences, Fizik, Turkey 1994 - 1999

Postgraduate, Marmara University, Faculty Of Arts And Sciences, Physics, Turkey 1991 - 1993

Research Areas

Physics, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Electrical properties of electronic structures, interfaces, thin films and low-dimensional structures, Electronic transport in condensed matter, Natural Sciences

Academic Titles / Tasks

Professor, Yildiz Technical University, Fen-Ed. Fakültesi, Fizik, 2012 - Continues

Associate Professor, Marmara University, Fen-Ed. Fakültesi, Fizik, 2007 - 2012

Assistant Professor, Marmara University, Fen-Ed. Fakültesi, Fizik, 2001 - 2007

Lecturer PhD, Marmara University, Fen-Ed. Fakültesi, Fizik, 1999 - 2001

Research Assistant, Marmara University, Fen-Ed. Fakültesi, Fizik, 1996 - 1999

Occupational Expert, Scientific and Technological Research Council of Turkey , Malzeme Enstitüsü, Elektronik , 1990 - 1996

Academic and Administrative Experience

Head of Department, Yildiz Technical University, Faculty Of Arts & Science, Department Of Physics, 2018 - Continues

Member of the Senate, Yildiz Technical University, Faculty Of Arts & Science, Department Of Physics, 2019 - 2022

Doçentlik Komisyon Üyesi, Yildiz Technical University, Faculty Of Arts & Science, Department Of Physics, 2018 - 2021

Courses

Klasik Mekanik, Undergraduate, 2016 - 2017

Advising Theses

Altındal A., Organik tabanlı gaz sensörlerinde adsorpsiyon kinetiğinin incelenmesi, Postgraduate, O.ÖZDEMİR(Student), 2016

ALTINDAL A., Organik Alan Etkili Transistör Üretimi ve Karakterizasyonu, Postgraduate, H.Gök(Student), 2016
ALTINDAL A., Hava Kirliliğine Neden Olan Gazların Algılanmasına Yönelik Sensörlerin Geliştirilmesi, Postgraduate, Ş.Altın(Student), 2016
ALTINDAL A., Sıvılardaki Bakterilerin Algılanması için Biyosensörlerin Geliştirilmesi, Postgraduate, M.Ağar(Student), 2016
Altındal A., Organik tabanlı güneş pili üretimi ve karakterizasyonu, Postgraduate, S.SAJJAD(Student), 2013
Altındal A., Metal-oksit ara tabakalı myy yapıların dielektrik özellikleri, Postgraduate, M.COŞKUN(Student), 2011
Altındal A., Organik tabanlı güneş pillerinin üretimi ve karakterizasyonu , Postgraduate, Ö.YAĞCI(Student), 2011
Altındal A., ZrO₂ nano parçacıklarının üretimi, dielektrik ve optik özelliklerinin belirlenmesi , Postgraduate, A.BANU(Student), 2011
Altındal A., Organik ışık yayan diyotların imali ve karakterizasyonu , Postgraduate, G.Kösoğlu(Student), 2010
Altındal A., Sol-Jel metoduyla hazırlanan metaloksit filmlerin yapısal ve elektriksel karakterizasyonu, Postgraduate, D.Taşkın(Student), 2006
Altındal A., Ftalosyanin ince filmlerin elektriksel ve optik özelliklerinin incelenmesi , Postgraduate, Y.Aktaş(Student), 2006

Jury Memberships

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Hacettepe Üniversitesi, September, 2022
Doctoral Examination, Doctoral Examination, Gebze Teknik Üniversitesi, August, 2022
Doctoral Examination, Doctoral Examination, Gebze Teknik Üniversitesi, August, 2022
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gebze Teknik Üniversitesi, August, 2022
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, İstanbul Teknik Üniversitesi, May, 2022
Committee Of Expert, Committee Of Expert, İstanbul Üniversitesi, January, 2022
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, İstanbul Üniversitesi, November, 2021
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Yıldız Technical University, June, 2021
Committee Of Expert, Committee Of Expert, Tekirdağ Namık Kemal Üniversitesi, May, 2021
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Marmara Üniversitesi, June, 2020
Associate Professor Exam, Associate Professor Exam, Atatürk Üniversitesi, February, 2013

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Novel re duce d graphene oxide/zinc phthalocyanine and re duce d graphene oxide/cobalt phthalocyanine hybrids as high sensitivity room temperature volatile organic compound gas sensors**
YABAŞ E., Bicer E., ALTINDAL A.
JOURNAL OF MOLECULAR STRUCTURE, vol.1271, 2023 (SCI-Expanded)
- II. **Manipulation of magnetic anisotropy by voltage induced strain in Co₂MnAl/PMN-PT heterostructure**
Ozdemir O., Altındal A., Arslan L. C.
JOURNAL OF APPLIED PHYSICS, vol.132, no.10, 2022 (SCI-Expanded)
- III. **Triphenylamine substituted copper and zinc phthalocyanines as alternative hole-transporting materials for solution-processed perovskite solar cells**
Celik G. G., ŞAHİN A. N., Lafzi F., SARAÇOĞLU N., ALTINDAL A., Gurek A. G., Atilla D.
DALTON TRANSACTIONS, vol.51, pp.9385-9396, 2022 (SCI-Expanded)
- IV. **Nitrate Ion Sensing Properties of Peripheral 3,4,5-Trimethoxyphenoxy and Chlorine Substituted Metallo and Metal-free Phthalocyanines**

Senturk C. B., ŞAHİN A. N., ÇETİN A., ALTINDAL A., ODABAŞ Z.

JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.32, pp.1436-1447, 2022 (SCI-Expanded)

- V. **Electrochemical, spectroelectrochemical, electrocatalytic oxygen reducing, and heavy metal ion sensing properties of novel tetrakis-[4-((2, 8-bis (trifluoromethyl) quinolin-4-yl) oxyl)] substituted metallophthalocyanines**
Daban N., ORMAN E. B., Meyanci L., ALTINDAL A., ÖZER M., ÖZKAYA A. R.
JOURNAL OF MOLECULAR STRUCTURE, vol.1250, 2022 (SCI-Expanded)
- VI. **Synthesis and photovoltaic properties of novel ferrocene-substituted metallophthalocyanines**
ÖZDEMİR M., Koksoy B., Kuruca H., ALTINDAL A., DURMUŞ M., KOYUNCU S., YALÇIN B., Bulut M.
DALTON TRANSACTIONS, vol.51, pp.570-579, 2022 (SCI-Expanded)
- VII. **Beta irradiation effects on impedance spectra of electrospun PEDOT:PSS nanofibres**
Urfa Y., ALTINDAL A.
BULLETIN OF MATERIALS SCIENCE, vol.44, no.3, 2021 (SCI-Expanded)
- VIII. **Gamma ray irradiation dose dependent methanol sensing with ZnO nanoparticles**
Urfa Y., ÇORUMLU V., ALTINDAL A.
MATERIALS CHEMISTRY AND PHYSICS, vol.264, 2021 (SCI-Expanded)
- IX. **Photosensitive field effect transistor based on metallo-phthalocyanines containing (4-pentylphenyl) ethynyl moieties**
Yenilmez H. Y., ŞAHİN A. N., ALTINDAL A., Bayır Z.
Synthetic Metals, vol.273, 2021 (SCI-Expanded)
- X. **Unsymmetrical Zinc Phthalocyanines Containing Thiophene and Amine Groups As Donor for Bulk Heterojunction Solar Cells**
KESER KARAOĞLAN G., Kutlu Ö., ALTINDAL A.
Turkish Journal of Chemistry, vol.45, no.3, pp.694-703, 2021 (SCI-Expanded)
- XI. **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, vol.254, 2020 (SCI-Expanded)
- XII. **Investigation of the photoconductive properties of thiophene substituted metallo-phthalocyanines**
Kumral E., Yenilmez H. Y., Albayrak S., ŞAHİN A. N., ALTINDAL A., Bayır Z. A.
Dalton transactions (Cambridge, England : 2003), vol.49, no.27, pp.9385-9392, 2020 (SCI-Expanded)
- XIII. **Synthesis, characterization, OFET, and DFT study of the novel ball-type metallophthalocyanines bridged with four diaminopyrimidine-dithiol**
Molla F., Yazici A., Salcuki N. A., ALTINDAL A., SALİH B., Bekaroglu O.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.24, pp.662-674, 2020 (SCI-Expanded)
- XIV. **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, vol.44, no.14, pp.5201-5210, 2020 (SCI-Expanded)
- XV. **Non-peripherally tetra substituted phthalocyanines bearing carboxylic acid anchoring groups as photosensitizer for high efficient dye-sensitized solar cells**
Gördük S., Altındal A.
JOURNAL OF MOLECULAR STRUCTURE, vol.1204, 2020 (SCI-Expanded)
- XVI. **One step facile in-situ photochemical synthesis of hollow, doughnut-like ZnO nanoparticles and their alcohol vapor sensing properties**
Kirtay H., Omur B., ALTINDAL A., ARSU N.
Materials Research Bulletin, vol.122, 2020 (SCI-Expanded)
- XVII. **Synthesis, characterization and ethanol sensing properties of peripheral and non-peripheral tetrakis-(3,6-dihexyl-7-oxy-4-methylcoumarin)substituted zinc(II), cobalt(II), and copper(II) phthalocyanines**

- Artuc G. O., ALTINDAL A., Eran B., Bulut M.
DYES AND PIGMENTS, vol.171, 2019 (SCI-Expanded)
- XVIII. **Ethanol sensing with pure and boric acid doped electrospun CuInS₂ nanofibers in the presence of relative humidity**
YAĞCI Ö., Arat R., Sarier N., Omur B. C., ALTINDAL A.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.104, 2019 (SCI-Expanded)
- XIX. **Peripherally tetra-substituted metallophthalocyanines bearing carboxylic acid groups for efficient dye sensitized solar cells**
GÖRDÜK S., ALTINDAL A.
JOURNAL OF MOLECULAR STRUCTURE, vol.1196, pp.747-753, 2019 (SCI-Expanded)
- XX. **Sensing alcohol vapours with novel unsymmetrically substituted metallophthalocyanines**
Polat M. P., Akyuz D., Yenilmez H. Y., KOCA A., ALTINDAL A., Bayir Z. A.
DALTON TRANSACTIONS, vol.48, no.25, pp.9194-9204, 2019 (SCI-Expanded)
- XXI. **In-situ photochemical synthesis of Au nanoparticles in polymer matrix with one-component thioxanthone disulfide for detection of benzene, toluene and xylene vapours**
ÇINKO T., KOYUNCU U., OMUR B., ALTINDAL A., ARSU N.
PROGRESS IN ORGANIC COATINGS, vol.132, pp.125-131, 2019 (SCI-Expanded)
- XXII. **Electric field assisted deposition of E. coli bacteria into the pores of porous silicon**
Güler S., Oruç Ç., Altındal A.
Journal of Microbiological Methods, vol.161, pp.96-101, 2019 (SCI-Expanded)
- XXIII. **Synthesis, characterization and photovoltaic behaviours of peripheral and non-peripheral tetra-[4-(4-octylpiperazin-1-yl)phenoxy] substituted zinc(II), cobalt(II), copper(II) and indium(III) phthalocyanines**
ARTUC G. O., ALTINDAL A., ERAN B., Bulut M.
INORGANICA CHIMICA ACTA, vol.490, pp.35-44, 2019 (SCI-Expanded)
- XXIV. **Electrochemical, photovoltaic and DFT studies on hybrid materials based on supramolecular self-assembly of a ditopic twisted perylene diimide with square-planar platinum(II)- and/or palladium(II)-2,2':6',2''-terpyridyl complex ions**
Buyukeksi S. I., ORMAN E. B., Acar N., ALTINDAL A., ÖZKAYA A. R., Sengul A.
DYES AND PIGMENTS, vol.161, pp.66-78, 2019 (SCI-Expanded)
- XXV. **Synthesis, characterization and VOCs adsorption kinetics of diethylstilbestrol-substituted metallophthalocyanines**
Kaki E., Gogsu N., ALTINDAL A., SALİH B., Bekaroglu O.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.23, pp.166-174, 2019 (SCI-Expanded)
- XXVI. **Synthesis, characterization and ethanol sensing properties of carboxylic acid-terminated naphthoxy substituted phthalocyanines**
ISIK S. N., KARAOGLAN G., OMUR B., ALTINDAL A., KOSE G.
SYNTHETIC METALS, vol.246, pp.7-15, 2018 (SCI-Expanded)
- XXVII. **pi-Extended hexadeca-substituted cobalt phthalocyanine as an active layer for organic field-effect transistors**
Nar I., Atsay A., Karaoglu H. P., ALTINDAL A., Hamuryudan E.
DALTON TRANSACTIONS, vol.47, no.42, pp.15017-15023, 2018 (SCI-Expanded)
- XXVIII. **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, vol.156, pp.267-275, 2018 (SCI-Expanded)
- XXIX. **Novel tetrakis 4-(hydroxymethyl)-2,6-dimethoxyphenoxy substituted metallophthalocyanines: Synthesis, electrochemical redox, electrocatalytic oxygen reducing, and volatile organic compounds sensing and adsorption properties**
Gunay I., ORMAN E. B., ALTINDAL A., SALİH B., ÖZER M., ÖZKAYA A. R.
DYES AND PIGMENTS, vol.154, pp.172-187, 2018 (SCI-Expanded)

- XXX. **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.
CHEMISTRY-A EUROPEAN JOURNAL, vol.24, no.27, pp.6946-6949, 2018 (SCI-Expanded)
- XXXI. **Spectroscopic, electrochemical and photovoltaic properties of Pt(II) and Pd(II) complexes of a chelating 1,10-phenanthroline appended perylene diimide**
Buyukeksi S. I., Sengul A., ERDÖNMEZ S., ALTINDAL A., ORMAN E. B., ÖZKAYA A. R.
DALTON TRANSACTIONS, vol.47, no.8, pp.2549-2560, 2018 (SCI-Expanded)
- XXXII. **o-Carborane, Ferrocene, and Phthalocyanine Triad for High-Mobility Organic Field-Effect Transistors**
Nar I., Atsay A., ALTINDAL A., Hamuryudan E.
INORGANIC CHEMISTRY, vol.57, no.4, pp.2199-2208, 2018 (SCI-Expanded)
- XXXIII. **Comparative study of I-V methods to extract Au/FePc/p-Si Schottky barrier diode parameters**
ORUÇ Ç., ALTINDAL A.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.124, no.1, 2018 (SCI-Expanded)
- XXXIV. **Toluene vapor sensing characteristics of novel copper(II), indium(III), mono-lutetium(III) and tin(IV) phthalocyanines substituted with 2,6-dimethoxyphenoxy bioactive moieties**
PIŞKİN M., CAN N., ODABAŞ Z., ALTINDAL A.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.22, pp.189-197, 2018 (SCI-Expanded)
- XXXV. **Structural, spectroscopic and passivation properties of a novel binuclear clamshell-type zinc(II) phthalocyanine as gate dielectric for OFET**
Buyukeksi S. I., ALTINDAL A., Acar N., Sengul A.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.22, pp.64-76, 2018 (SCI-Expanded)
- XXXVI. **Bridged oxide nanowire device fabrication using single step metal catalyst free thermal evaporation**
COŞKUN M., OMBABA M. M., DUMLUDAĞ F., ALTINDAL A., ISLAM M. S.
RSC ADVANCES, vol.8, no.19, pp.10294-10301, 2018 (SCI-Expanded)
- XXXVII. **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, vol.22, pp.149-156, 2018 (SCI-Expanded)
- XXXVIII. **Synthesis of peripherally tetra-substituted phthalocyanines and their applications in Schottky barrier diodes**
Gördük S., Koyun Ö., Avciata O., Altındal A., Avciata U.
Journal of Chemistry, vol.2017, pp.1-9, 2017 (SCI-Expanded)
- XXXIX. **Structural and dielectric properties of CuO nanoparticles**
ORUÇ Ç., ALTINDAL A.
CERAMICS INTERNATIONAL, vol.43, no.14, pp.10708-10714, 2017 (SCI-Expanded)
- XL. **Electrochemical and photovoltaic studies on water soluble triads: Metallosupramolecular self-assembly of ditopic bis(imidazole) perylene diimide with platinum(II)-, and palladium(II)-2,2':6',2''-terpyridyl complex ions**
Buyukeksi S. I., ORMAN E. B., Sengul A., ALTINDAL A., ÖZKAYA A. R.
DYES AND PIGMENTS, vol.144, pp.190-202, 2017 (SCI-Expanded)
- XLI. **Characterization of metal (Ag,Au)/phthalocyanine thin film/semiconductor structures by impedance spectroscopy technique**
Oruç Ç., Erkol A., Altındal A.
THIN SOLID FILMS, vol.636, pp.765-772, 2017 (SCI-Expanded)
- XLII. **Synthesis, characterization and partition coefficients for VOC vapor adsorption onto novel pyridine derivatives Co(II) phthalocyanines**
Mizrak B., ALTINDAL A., ABDURRAHMANOĞLU Ş.
PROGRESS IN ORGANIC COATINGS, vol.109, pp.92-96, 2017 (SCI-Expanded)
- XLIII. **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, vol.459, pp.51-62, 2017 (SCI-Expanded)

- XLIV. **Conduction and dielectric relaxation studies on substituted iron(II) phthalocyanine thin film**
Omur B., CAN N., ALTINDAL A.
MATERIALS CHEMISTRY AND PHYSICS, vol.186, pp.438-445, 2017 (SCI-Expanded)
- XLV. **Kinetic Studies of the Adsorption of Chlorinated Hydrocarbons Onto Phthalocyanine Thin Film**
MISIRLIOGLU B., OZDEMIR O., ALTINDAL A.
IEEE SENSORS JOURNAL, vol.17, no.1, pp.121-126, 2017 (SCI-Expanded)
- XLVI. **Modeling of heavy metal ion adsorption isotherms onto metallophthalocyanine film**
CAN N., Omur B., ALTINDAL A.
SENSORS AND ACTUATORS B-CHEMICAL, vol.237, pp.953-961, 2016 (SCI-Expanded)
- XLVII. **Synthesis, characterization and metal ion sensing properties of novel pyridone derivatives phthalocyanines**
Mizrak B., Agar M., Altindal A., ABDURRAHMANOĞLU Ş.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.20, no.12, pp.1457-1462, 2016 (SCI-Expanded)
- XLVIII. **Novel 4,4' -{(diphenylmethylene) bis(4,1-phenylene)bis(oxy)}-bridged ball-type phthalocyanines: Electrochemical, electrocatalytic oxygen reducing and heavy metals ions sensing properties**
Dogan E., ÖZER M., ALTINDAL A., ÖZKAYA A. R., SALİH B., Bekaroglu O.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.20, pp.1319-1333, 2016 (SCI-Expanded)
- XLIX. **Highly soluble tetrasubstituted lanthanide bis-phthalocyanines; synthesis, characterization, electrical properties and aggregation studies**
Bilgili A. T., Günsel A., Kandaz M., ALTINDAL A., Comert H.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.20, pp.1065-1074, 2016 (SCI-Expanded)
- L. **Investigation on Aging Mechanism of Polyester Under Combined Stresses**
CAN N., ARAS F., ALEKPEROV V. A., ALTINDAL A.
IEEE ELECTRICAL INSULATION MAGAZINE, vol.32, no.4, pp.38-42, 2016 (SCI-Expanded)
- LI. **Novel indium(III) phthalocyanines; synthesis, photophysical and humidity sensing properties**
KESKİN B., OKUYUCU O., ALTINDAL A., ERDOĞMUŞ A.
NEW JOURNAL OF CHEMISTRY, vol.40, no.6, pp.5537-5545, 2016 (SCI-Expanded)
- LII. **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, vol.212, pp.25-30, 2016 (SCI-Expanded)
- LIIL. **Highly efficient dye-sensitized solar cells based on metal-free and copper(II) phthalocyanine bearing 2-phenylphenoxy moiety**
Ali H. E. A., ALTINDAL A., ALTUN S., ODABAŞ Z.
DYES AND PIGMENTS, vol.124, pp.180-187, 2016 (SCI-Expanded)
- LIV. **Double-decker sensor phthalocyanines functionalized with 1-hydroxyhexane-3-ylthio moieties; synthesis, characterization, electrical properties and H- or J- type aggregation studies**
Bilgili A. T., Günsel A., Kandaz M., ALTINDAL A., Comert H.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.785, pp.112-121, 2015 (SCI-Expanded)
- LV. **Synthesis and characterization, electrical and gas sensing properties of N,N' -bis(salicylidene)-1,2-phenyldiamine substituted novel mono and ball-type metallo phthalocyanines**
Yazici A., Sarcicek B., ALTINDAL A., SALİH B., Bekaroglu O.
INORGANICA CHIMICA ACTA, vol.428, pp.83-92, 2015 (SCI-Expanded)
- LVI. **Influence of humidity on kinetics of xylene adsorption onto ball-type hexanuclear metallophthalocyanine thin film**
Altın S., DUMLUDAĞ F., ORUÇ Ç., ALTINDAL A.
MICROELECTRONIC ENGINEERING, vol.134, pp.7-13, 2015 (SCI-Expanded)
- LVII. **A conformationally stressed novel ball-type perylenediimide appended zinc(II) phthalocyanine hybrid: spectroelectrochemical, electrocolorimetric and photovoltaic properties**

- Pekdemir F., Kurnali S., Sengul A., ALTINDAL A., ÖZKAYA A. R., SALİH B., Bekaroglu O.
DALTON TRANSACTIONS, vol.44, no.1, pp.158-166, 2015 (SCI-Expanded)
- LVIII. **Electrochemical, Electrocatalytic Dioxygen Reducing and Dielectric Relaxation Properties of Non-Peripheral Tetra-2,3-dihydro-1H-inden-5-yloxy Substituted Phthalocyanines**
ORMAN E. B., ALTUN S., ODABAŞ Z., ALTINDAL A., ÖZKAYA A. R.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.162, no.12, 2015 (SCI-Expanded)
- LIX. **Synthesis, characterization, conduction, and dielectric properties of tetra tert-butylsulfanyl substituted phthalocyanines**
Kaipova S., Dincer H., ALTINDAL A.
JOURNAL OF COORDINATION CHEMISTRY, vol.68, no.4, pp.717-731, 2015 (SCI-Expanded)
- LX. **Gas sensing and electrochemical properties of tetra and octa 2H-chromen-2-one substituted iron(II) phthalocyanines**
ALTUN S., ORMAN E. B., ODABAŞ Z., ALTINDAL A., ÖZKAYA A. R.
DALTON TRANSACTIONS, vol.44, no.9, pp.4341-4354, 2015 (SCI-Expanded)
- LXI. **Synthesis of novel azo-bridged phthalocyanines and their toluene vapour sensing properties**
Sahin S., ALTUN S., ALTINDAL A., ODABAŞ Z.
SENSORS AND ACTUATORS B-CHEMICAL, vol.206, pp.601-608, 2015 (SCI-Expanded)
- LXII. **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.
DALTON TRANSACTIONS, vol.44, no.21, pp.10060-10068, 2015 (SCI-Expanded)
- LXIII. **Dielectric properties and electronic absorption: a comparison of novel azo- and oxo-bridged phthalocyanines**
Yuzuak M. M., ALTUN S., ALTINDAL A., ODABAŞ Z.
DALTON TRANSACTIONS, vol.44, no.3, pp.1397-1405, 2015 (SCI-Expanded)
- LXIV. **Synthesis, characterization and gas sensing properties of novel homo and hetero dinuclear ball-type phthalocyanines**
Kaki E., ALTINDAL A., SALİH B., Bekaroglu O.
DALTON TRANSACTIONS, vol.44, no.17, pp.8293-8299, 2015 (SCI-Expanded)
- LXV. **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.
SENSORS AND ACTUATORS B-CHEMICAL, vol.202, pp.14-22, 2014 (SCI-Expanded)
- LXVI. **Kinetics of CO₂ adsorption on ball-type dicopper phthalocyanine thin film**
ALTINDAL A., Kurt O., Sengul A., Bekaroglu O.
SENSORS AND ACTUATORS B-CHEMICAL, vol.202, pp.373-381, 2014 (SCI-Expanded)
- LXVII. **A.c. and d.c. conduction processes in octakis[(4-tert-butylbenzylthio)-porphyrizinato]Cu(II) thin films with gold electrodes**
KESKİN B., ALTINDAL A., Avciata U., Gül A.
BULLETIN OF MATERIALS SCIENCE, vol.37, no.3, pp.461-468, 2014 (SCI-Expanded)
- LXVIII. **Photon parameters for gamma-rays sensing properties of some thick oxide films**
Kavanoz H. B., Yağci Ö., Yalçın Z., İçelli O., Altındal A., Okutan M., Mann K. S.
VACUUM, vol.101, pp.238-245, 2014 (SCI-Expanded)
- LXIX. **Ultrasound-assisted rapid one-pot synthesis, characterization and electrical properties of a beta-aminoketone with a ferrocenyl moiety**
KESKİN B., Ozturkcan S. A., ALTINDAL A.
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- LXX. **Synthesis, characterization and dielectric properties of novel phthalocyanines bearing an octa-peripherally substituted mercaptoquinoline moiety**
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ALTINDAL A., Şahin A. N., Project Supported by Higher Education Institutions, Elektron İletim Tabakasının Perovskit Güneş Pillerinin Performansına Etkisi, 2019 - 2021

CAN N., ÖZDEMİR O., KESKİN B., ALTINDAL A., SÜNGÜ MISIRLIOĞLU B., Project Supported by Higher Education Institutions, Pestisitlerin (Pesticides) Algılanmasına Yönelik Biyosensörlerin Geliştirilmesi, 2016 - 2019

ALTINDAL A., AŞIKOĞLU BOZKURT A., Project Supported by Higher Education Institutions, Organik Alan Etkili Transistörlerde Arayüzey Mühendisliği, 2016 - 2018

AŞIKOĞLU BOZKURT A., KESKİN B., ÖZDEMİR O., ALTINDAL A., Project Supported by Higher Education Institutions, BTX gazlarını algılamaya yönelik sensörlerin geliştirilmesi, 2015 - 2017

ALTINDAL A., Project Supported by Higher Education Institutions, Sulardaki Ağır Metal İyonlarının Algılanmasına Yönelik Biyosensörlerin Geliştirilmesi, 2014 - 2016

ALTINDAL A., Project Supported by Higher Education Institutions, Hava Kirliliğine Neden Olan Gazların Algılanmasına Yönelik Sensörlerin Geliştirilmesi, 2014 - 2015

ALTINDAL A., Project Supported by Higher Education Institutions, Metal-Yalıtkan-Yarıiletken (MYY) Yapılarda Yük iletim Mekanizmalarının Belirlenmesi, 2012 - 2013

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ALTINDAL A., Other International Funding Programs, Atıksu Koku Karakterizasyonu İçin Kimyasal Algılayıcılar (Elektronik Burun) Dizisi Geliştirilmesi, 2004 - 2006

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Memberships / Tasks in Scientific Organizations

YÖK, Member of Advisory Board, 2018 - 2021, Turkey

THE SCIENTIFIC AND TECHNOLOGICAL RESEARCH COUNCIL OF TURKEY, Member of Advisory Board, 2014 - 2017, Turkey

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Non Academic Experience

TUBİTAK, TUBİTAK, TUBİTAK