

Prof. LEYLA YILDIRIM

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International Researcher IDs

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Publons / Web Of Science ResearcherID: G-6048-2013

Yoksis Researcher ID: 3099

Education Information

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, Fizik Mühendisliği, Turkey 1994 - 1999

Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, Fizik Mühendisliği, Turkey 1992 - 1994

Undergraduate, Hacettepe University, Mühendislik Fakültesi, Fizik Mühendisliği, Turkey 1986 - 1992

Research Areas

Physics, Condensed Matter 1: Structural, Mechanical and Thermal Properties, Structure of Liquids and Solids; Crystallography, Surfaces, Interfaces, Thin Films and Nanosystems, Natural Sciences

Academic Titles / Tasks

Professor, Hacettepe University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 2009 - Continues

Associate Professor, Hacettepe University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 2003 - 2009

Research Assistant, Hacettepe University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 1992 - 2003

Academic and Administrative Experience

Hacettepe Üniversitesi, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 2015 - Continues

Hacettepe Üniversitesi, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 2013 - 2015

Courses

Undergraduate

FİZ 432 BİTİRME PROJESİ, Undergraduate, 2017 - 2018, 2016 - 2017

FİZ 217 TİTREŞİMLER VE DALGALAR, Undergraduate, 2017 - 2018, 2016 - 2017

FİZ 138 FİZİK II, Undergraduate, 2017 - 2018, 2016 - 2017

FİZ 137 FİZİK I, Undergraduate, 2017 - 2018, 2016 - 2017

FİZ107 FİZİK MÜHENDİSLİĞİNE GİRİŞ, Undergraduate, 2017 - 2018, 2016 - 2017

FİZ 301 KUANTUM LAB., Undergraduate, 2017 - 2018, 2016 - 2017

FİZ 216 ELEKTRİK VE MANYETİZMA, Undergraduate, 2017 - 2018, 2016 - 2017

Supervised Theses

YILDIRIM L., Lantanborat bileşiğinin katı hal yöntemi ile sentezi ve karakterizasyonu, Postgraduate, E.EKER(Student), 2006

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Improved solubility of celecoxib by inclusion in SBA-15 mesoporous silica: Drug loading in different solvents and release**
Eren Z. S., Tuncer S., Gezer G., YILDIRIM L., BANERJEE S., YILMAZ A.
MICROPOROUS AND MESOPOROUS MATERIALS, vol.235, pp.211-223, 2016 (SCI-Expanded)
- II. **Orthogonal Bodipy Trimers as Photosensitizers for Photodynamic Action**
Ozdemir T., Bila J. L., SÖZMEN F., YILDIRIM L., AKKAYA E. U.
ORGANIC LETTERS, vol.18, no.19, pp.4821-4823, 2016 (SCI-Expanded)
- III. **Dual-Responsive Lipid Nanotubes: Two-Way Morphology Control by pH and Redox Effects**
Unsal H., SCHMIDT J., TALMON Y., Yildirim L., AYDOĞAN N.
LANGMUIR, vol.32, no.21, pp.5324-5332, 2016 (SCI-Expanded)
- IV. **Dual-Responsive Lipid Nanotubes: Two-Way Morphology Control by pH and Redox Effects**
YILDIRIM L., Unsal H., Schmidt J., Talmon Y., AYDOĞAN N.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.72, 2016 (SCI-Expanded)
- V. **Rapid thermal annealing induced formation of Ge nanoparticles in ZnO thin films: A detailed SAXS study**
CEYLAN A., YILDIRIM L., ÖZCAN Ş., Shah S. I.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.34, pp.8-13, 2015 (SCI-Expanded)
- VI. **A ruthenium(II) bipyridine complex containing a 4,5-diazafluorene moiety: Synthesis, characterization and its applications in transfer hydrogenation of ketones and dye sensitized solar cells**
Baysal A., Aydemir M., Durap F., ÖZKAR S., Yildirim L., Ocak Y. S.
POLYHEDRON, vol.89, pp.55-61, 2015 (SCI-Expanded)
- VII. **Rapid thermal annealing induced formation of Ge nanoparticles in ZnO thin films: A detailed SAXS study**
YILDIRIM L., CEYLAN A., ÖZCAN Ş., Shah S. I.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.71, 2015 (SCI-Expanded)
- VIII. **Synthesis, X-ray Analysis, and Biological Activities of Novel Oxazolidinethiones**
SAYGILI N., Ozalp M., Yildirim L.
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.51, no.5, pp.1264-1269, 2014 (SCI-Expanded)
- IX. **Modeling the intermolecular interactions: Molecular structure of N-3-hydroxyphenyl-4-methoxybenzamide**
Karabulut S., Namli H., Kurtaran R., Yildirim L. T., Leszczynski J.
JOURNAL OF MOLECULAR GRAPHICS & MODELLING, vol.48, pp.1-8, 2014 (SCI-Expanded)
- X. **Synthesis and antidiabetic activity of morpholinothiazolyl-2,4-thiazolidindione derivatives**
Ezer M., YILDIRIM L., Bayro O., Verspohl E. J., DÜNDAR O.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.27, no.3, pp.419-427, 2012 (SCI-Expanded)
- XI. **Novel homogeneous catalyst comprising ruthenium and trimethylphosphite for the hydrolysis of sodium borohydride**
Masjedi M., YILDIRIM L., ÖZKAR S.

JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, vol.355, pp.186-191, 2012 (SCI-Expanded)

- XII. **Synthesis and structural characterization of a novel seven-coordinate cobalt(II) complex: 2,9-Bis(ethanolamine)-1,10-phenanthrolinechlorocobalt(II) chloride**
BAYSAL A., AYDEMİR M., DURAP F., ÖZKAR S., YILDIRIM L.
INORGANICA CHIMICA ACTA, vol.371, no.1, pp.107-110, 2011 (SCI-Expanded)
- XIII. **Ruthenium complexes of aminophosphine ligands and their use as pre-catalysts in the transfer hydrogenation of aromatic ketones: X-ray crystal structure of thiophene-2-(N-diphenylthiophosphino)methylamine**
AYDEMİR M., BAYSAL A., ÖZKAR S., YILDIRIM L.
POLYHEDRON, vol.30, no.5, pp.796-804, 2011 (SCI-Expanded)
- XIV. **trans- and cis-Ru(II) aminophosphine complexes: Syntheses, X-ray structures and catalytic activity in transfer hydrogenation of acetophenone derivatives**
AYDEMİR M., BAYSAL A., ÖZKAR S., YILDIRIM L.
INORGANICA CHIMICA ACTA, vol.367, no.1, pp.166-172, 2011 (SCI-Expanded)
- XV. **Designing Excited States: Theory-Guided Access to Efficient Photosensitizers for Photodynamic Action**
Cakmak Y., Kolemen S., Duman S., Dede Y., DOLEN Y., Kilic B., Kostereli Z., YILDIRIM L., DOĞAN A. L., Guc D., et al.
ANGEWANDTE CHEMIE-INTERNATIONAL EDITION, vol.50, no.50, pp.11937-11941, 2011 (SCI-Expanded)
- XVI. **Synthesis, Crystal Structure and Spectroscopic Characterization of {6-[2-(2-chlorophenyl)-1,3-thiazol-4-yl]-2-oxo-1,3-benzothiazol-3(2H)-yl}acetic acid**
AYDIN A., AKKURT M., Uzun L., YILDIRIM L., ÖNKOL T.
JOURNAL OF CHEMICAL CRYSTALLOGRAPHY, vol.40, no.10, pp.816-820, 2010 (SCI-Expanded)
- XVII. **Energetic trinuclear Ni-II-Ni-II-Ni-II complexes at high temperature**
Cakirer O., Eker E., Ergun U., Gokcinar E., YILDIRIM L., Dal H., Atakol O.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.101, no.3, pp.1167-1173, 2010 (SCI-Expanded)
- XVIII. **Novel neutral phosphinite bridged dinuclear ruthenium(II) arene complexes and their catalytic use in transfer hydrogenation of aromatic ketones: X-ray structure of a new Schiff base, N3,N3'-di-2-hydroxybenzylidene-[2,2']bipyridinyl-3,3'-diamine**
AYDEMİR M., DURAP F., BAYSAL A., MERİÇ N., Buldag A., Guemguem B., ÖZKAR S., YILDIRIM L.
JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, vol.326, pp.75-81, 2010 (SCI-Expanded)
- XIX. **Crystal structure of trans- and cis-bis(acetylacetonato)bis(trimethylphosphite)-ruthenium(II) complexes and testing their catalytic activity in hydrogen generation from the hydrolysis of sodium borohydride**
Masjedi M., YILDIRIM L., ÖZKAR S.
INORGANICA CHIMICA ACTA, vol.363, no.8, pp.1713-1718, 2010 (SCI-Expanded)
- XX. **Synthesis and characterization of new (N-diphenylphosphino)-isopropylanilines and their complexes: crystal structure of (Ph₂P = S)NH-C₆H₄-4-CH(CH₃)(2) and catalytic activity of palladium(II) complexes in the Heck and Suzuki cross-coupling reactions**
AYDEMİR M., BAYSAL A., GÜRBÜZ N., ÖZDEMİR İ., Gumgum B., ÖZKAR S., Caylak N., YILDIRIM L.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.24, no.1, pp.17-24, 2010 (SCI-Expanded)
- XXI. **Synthesis and characterization of transition metal complexes of thiophene-2-methylamine: X-ray crystal structure of palladium (II) and platinum (II) complexes and use of palladium(II) complexes as pre-catalyst in Heck and Suzuki cross-coupling reactions**
AYDEMİR M., BAYSAL A., DURAP F., Gumgum B., ÖZKAR S., YILDIRIM L.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.23, no.11, pp.467-475, 2009 (SCI-Expanded)
- XXII. **Synthesis and characterization of new bis(diphenylphosphino)aniline ligands and their complexes: X-ray crystal structure of palladium(II) and platinum(II) complexes, and application of palladium(II) complexes as pre-catalysts in Heck and Suzuki cross-coupling reactions**
AYDEMİR M., DURAP F., BAYSAL A., AKBA O., Gumgum B., ÖZKAR S., YILDIRIM L.
POLYHEDRON, vol.28, no.12, pp.2313-2320, 2009 (SCI-Expanded)
- XXIII. **Solid-State Emissive BODIPY Dyes with Bulky Substituents As Spacers**

Ozdemir T., Atilgan S., Kutuk I., YILDIRIM L., Tulek A., BAYINDIR M., AKKAYA E. U.

ORGANIC LETTERS, vol.11, no.10, pp.2105-2107, 2009 (SCI-Expanded)

- XXIV. **Synthesis, Characterization and Crystal Packing-Geometry of 1,5-dihydro-2H-cyclopenta [1,2-b:5,4-b']dipyridin-2-One**
YILDIRIM L., BAYSAL A., DURAP F., ÖZKAR S.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.65, 2009 (SCI-Expanded)
- XXV. **Bidirectional switching of near IR emitting boradiazaindacene fluorophores**
Deniz E., Isbasar G. C., Bozdemir O. A., YILDIRIM L., Siemiarczuk A., AKKAYA E. U.
ORGANIC LETTERS, vol.10, no.16, pp.3401-3403, 2008 (SCI-Expanded)
- XXVI. **Di- μ (2)-acetato-1 : 2 kappa O-2 : O ' ; 2 : 3 kappa O-2 : O '-bis(N,N '-dimethylformamide)-1 kappa O,3 kappa O-bis{ μ (2)-2,2 '-[propane-1,3-diylbis(imino-methylene)]diphenolato-1 kappa O-4,N,N ',O ': 2 kappa O-2,O ' ; 2 kappa O-2,O ' : 3 kappa O-4,N,N ',O '-1,3-dinickel(II)-2-cadmium(II)**
YILDIRIM L., ATAKOL O.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.64, 2008 (SCI-Expanded)
- XXVII. **Dibromido-2 kappa Br-2-bis(4-methylpyridine-1 kappa N){ μ -2,2 '-[propane-1,3-diylbis(nitrilomethylidyne)]diphenolato-1 kappa O-4,N,N ',-O ': 2 kappa O-2,O ' }nickel(II)zinc(II)**
YILDIRIM L., Atakol O.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.63, 2007 (SCI-Expanded)
- XXVIII. **Diiodido-2 kappa I-2-bis(4-methylpyridine-1 kappa N)- μ -{2,2 '-[1,3-propanediylbis(nitrilomethylidyne)]diphenolato-1 kappa O-4,N,N ',O ': 2 kappa O-2,O ' }nickel(II)zinc(II)**
YILDIRIM L., Atakol O., Kavak G.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.63, 2007 (SCI-Expanded)
- XXIX. **Synthesis, characterization and crystal structure of bis(acetylacetonato)dimethanolnickel(II): [Ni(acac)(2)(MeOH)(2)]**
Metin O., YILDIRIM L., Oezkar S.
INORGANIC CHEMISTRY COMMUNICATIONS, vol.10, no.9, pp.1121-1123, 2007 (SCI-Expanded)
- XXX. **Bis[μ (2)-2,2 '-dimethyl-N,N '-bis(2-oxido-benzyl)propane-1,3-diamine]-1 kappa O-4,N,N ',O ': 2 kappa O-2,O ' ; 2 kappa O-2,O ' : 3 kappa O-4,N,N ',O '-bis(N,N '-dimethylformamide)-1 kappa O,3 kappa O-di- μ (2)-formato-1 : 2 kappa O-2 : O ' ; 2 : 3 kappa O-2 : O '-trinickel(II)**
YILDIRIM L., Atakol O., Kavak G.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.63, 2007 (SCI-Expanded)
- XXXI. **Synthesis, crystal structure and biological activity of two new heterotrinnuclear thiocyanato bridged Cu(II)-Hg(II)-Cu(II) complexes**
YILDIRIM L., Kurtaran R., Namli H., Azaz A. D., Atakol O.
POLYHEDRON, vol.26, no.15, pp.4187-4194, 2007 (SCI-Expanded)
- XXXII. **Bis[μ (2)-N,N '-bis(2-oxidobenzyl)propane-1,3-diamine]-1 kappa O-4,N,N ',O ': 2 kappa O-2,O ' : 2 kappa O-2,O ' : 3 kappa O-4,N,N ',O '-bis(N,N '-dimethylformamide)1 kappa O,3 kappa O-di- μ (2)acetato-1 : 2 kappa O-2 : O ' ; 2 : 3 kappa O-2 ; ; O ' dinickel(II)zinc(II)**
YILDIRIM L., Ergun U.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.63, 2007 (SCI-Expanded)
- XXXIII. **Synthesis and characterizations of 3,3 '-bis(diphenylphosphinoamine)-2,2 '-bipyridine and 3,3 '-bis(diphenylphosphinite)-2,2 '-bipyridine and their chalcogenides**
Baysal A., Aydemir M., Durap F., Guemguem B., Oezkar S., YILDIRIM L.
POLYHEDRON, vol.26, no.13, pp.3373-3378, 2007 (SCI-Expanded)
- XXXIV. **Synthesis, characterization, crystal and molecular structure of 1,5-Dihydro-2H-cyclopenta[1,2-b : 5,4-b ']dipyridin-2-imine**
Baysal A., Durap F., Gumgum B., YILDIRIM L., Ulku D., Boga A. D., Ozkar S.
HELVETICA CHIMICA ACTA, vol.90, no.6, pp.1211-1217, 2007 (SCI-Expanded)
- XXXV. **Synthesis, Characterization and Molecular Structure of a Novel Schiff Base, N3,N3 '-di-2-hydroxybenzylidene-[2,2 ']bipyridinyl-3,3 '-diamine**

- BAYSAL A., Buldag A., Gumgum B., ÖZKAR S., YILDIRIM L.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.63, 2007 (SCI-Expanded)
- XXXVI. **Synthesis, characterization, crystal and molecular structure of diphenyloxophosphinoethylenediamines**
Gümgüm B., Akba O., Durap F., Yildirim L., Ülkü D., ÖZKAR S.
Polyhedron, vol.25, no.16, pp.3133-3137, 2006 (SCI-Expanded)
- XXXVII. **Synthesis, crystal structure and spectral analysis of diaquatetrakis(N-methylimidazole)Ni(II)(2,4,6-tribromophenol)**
Yilmaz A., Camurlu P., YILDIRIM L., Kisakuerek D., Uelkue D.
CRYSTAL RESEARCH AND TECHNOLOGY, vol.41, no.8, pp.829-835, 2006 (SCI-Expanded)
- XXXVIII. **Spectroscopic and crystal structure analysis of diamminebis(2,4,6-triiodophenolato-O) copper(II)**
Gokagac G., YILDIRIM L., Sonsuz M., Sen F.
CRYSTAL RESEARCH AND TECHNOLOGY, vol.41, no.5, pp.523-527, 2006 (SCI-Expanded)
- XXXIX. **Synthesis, characterization, crystal structure and biological activity of a novel heterotetranuclear complex: [NiLPb(SCN)(2)(DMF)(H2O)](2), bis-[[mu-N,N'-bis(salicylidene)-1,3-propanediaminato-aqua-nickel(II)](thiocyanato)(mu-thiocyanato)(mu-N,N'-dimethylformamide)lead(II)]**
Kurtaran R., YILDIRIM L., Azaz A., Namli H., Atakol O.
JOURNAL OF INORGANIC BIOCHEMISTRY, vol.99, no.10, pp.1937-1944, 2005 (SCI-Expanded)
- XL. **New zeotype borophosphates with chiral tetrahedral topology: (H)(0.5)M-1.25(H2O)(1.5)[BP208]center dot H2O (M = Co(II) and Mn(II))**
Yilmaz A., YILDIRIM L., Bu X., Kizilyalli M., Stucky G.
CRYSTAL RESEARCH AND TECHNOLOGY, vol.40, no.6, pp.579-585, 2005 (SCI-Expanded)
- XLI. **Spectroscopic, magnetic and crystal structure analysis of diammine-bis(2,6-dibromo-4-chlorophenolato-O)copper(II)**
Gokagac G., YILDIRIM L., Sonsuz N., Sen F.
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL SCIENCES, vol.60, no.5, pp.543-547, 2005 (SCI-Expanded)
- XLII. **Synthesis, crystal structure and characterization of new transition metal compounds of bromophenols: Bis(2,4,6-tribromophenolato) di(N-methylimidazole)M(II) (M=Co, Cu)**
Camurlu P., Yilmaz A., Tatar L., Kisakurek D., Ulku D.
CRYSTAL RESEARCH AND TECHNOLOGY, vol.40, no.3, pp.271-276, 2005 (SCI-Expanded)
- XLIII. **Synthesis, Characterization and Crystal Structure of new Transition Metal Compounds of Thiocyanate**
YILDIRIM L., Kurtaran R., ATAKOL O.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.61, 2005 (SCI-Expanded)
- XLIV. **Two new mononuclear Ni(II) complexes with reduced ONNO type Schiff base**
Durmus S., Tatar L., Arici C., Dincer N., Atakol O., Svoboda I., Fuess H.
ZEITSCHRIFT FÜR KRISTALLOGRAPHIE, vol.220, no.11, pp.977-982, 2005 (SCI-Expanded)
- XLV. **Synthesis, crystal structure and electrochemical behaviour of water soluble Schiff bases**
Tatar L., Nazir H., Gumuser M., Kale C., Atakol O.
ZEITSCHRIFT FÜR KRISTALLOGRAPHIE, vol.220, no.7, pp.639-642, 2005 (SCI-Expanded)
- XLVI. **Crystal and molecular structure of bis(acetylaceton)ethylenediimine: intramolecular ionic hydrogen bonding in solid state**
Ozkar S., Ulku D., YILDIRIM L., Biricik N., Gumgum B.
JOURNAL OF MOLECULAR STRUCTURE, vol.688, pp.207-211, 2004 (SCI-Expanded)
- XLVII. **Reaction of pentacarbonyl(eta(2)-bis(trimethylsilyl)ethyne)tungsten(0) with tricyclohexylphosphine: X-ray structure of pentacarbonyltricyclohexylphosphinetungsten(0)**
Demircan O., Ozkar S., Ulku D., YILDIRIM L.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.688, pp.68-74, 2003 (SCI-Expanded)
- XLVIII. **Crystal structure analysis of Bis{(N,N'-dimethylformamide)-[mu-bis-N,N'-(2-oxybenzyl)-1,3-propanediaminato]}(mu-asetato) nickel(II)}nickel(II)**

- Tatar Yildirim L., ATAKOL O.
Crystal Research and Technology, vol.37, no.12, pp.1352-1359, 2002 (SCI-Expanded)
- XLIX. **Crystal structure of a tetramer zinc complex: Bis{ μ -[N,N'-bis(salicylidene)-1,3-propanediaminato-zinc(II)]chloro- μ -azido}zinc(II)}**
Tatar L., Ulku D., Atakol O., Kurtaran R.
ANALYTICAL SCIENCES, vol.18, no.10, pp.1171-1172, 2002 (SCI-Expanded)
- L. **Crystal structure analysis of Bis{(N,N'-dimethylformamide)-[μ -bis-N,N'-(2-oxybenzyl)-1,3-propanediaminato]}(μ -asetato)nickel(II)}nickel(II)**
YILDIRIM L., Atakol O.
CRYSTAL RESEARCH AND TECHNOLOGY, vol.37, no.12, pp.1352-1359, 2002 (SCI-Expanded)
- LI. **Structure and electrochemical behaviour of Bis[N-(4-methylphenyl)salicylaldimine]copper(II) N,N'-dimethylformamide solvate**
Yildirim L., EMREGUL K. C., KURTARAN R., ATAKOL O.
CRYSTAL RESEARCH AND TECHNOLOGY, vol.37, no.12, pp.1344-1351, 2002 (SCI-Expanded)
- LII. **Bis{(μ -acetato)[μ -bis(salicylidene)-1,3-propanediaminato]zinc(II)} zinc(II)**
Ülkü D., Tatar L., ATAKOL O., Aksu M.
Acta Crystallographica Section C: Crystal Structure Communications, vol.57, no.3, pp.273-274, 2001 (SCI-Expanded)
- LIII. **Diamminebis(2,4,6-tribromophenolato-O)copper(II)**
Tatar L., GÖKAĞAÇ ARSLAN G., Ülkü D.
Acta Crystallographica, Section C: Crystal Structure Communications, vol.56, no.6, pp.668-669, 2000 (SCI-Expanded)

Papers Published in Refereed Scientific Meetings

- I. **Dual Responsive Lipid Nanotubes Two Way Morphology Control by pH and Redox Effects**
YILDIRIM L., ÜNSAL H., Schmidt J., Talmon Y., AYDOĞAN N.
30th Meeting of the European Crystallographic Meeting, 28 August - 01 September 2016
- II. **Rapid thermal annealing induced formation of Ge nanoparticles in ZnO thin films A detailed SAXS study**
YILDIRIM L., CEYLAN A., ÖZCAN Ş., S ISMAT S.
The 29th European crystallographic meeting, 23 August 2015 - 28 January 2016, vol.71, pp.515

Supported Projects

YILDIRIM L., CEYLAN A., ÖZCAN Ş., Project Supported by Higher Education Institutions, Fizik Mühendisliği Bölümü Servis Laboratuvarı Deney Düzeneklerinin Yenilenmesi, 2015 - 2017

YILDIRIM L., Project Supported by Higher Education Institutions, "30. Avrupa Kristalografisi Kongresi" ne Katılım, 2016 - 2016

YILDIRIM L., Project Supported by Higher Education Institutions, 29. Avrupa Kristalografisi Kongresi'ne Katılım, 2015 - 2015

YILDIRIM L., Project Supported by Higher Education Institutions, Gözenekli yapıların kristal ve nano oluşumlarının SAXS ve XRD yöntemleri ile araştırılması, 2015 - 2015

İDE S., SÜNETÇİOĞLU M. M., YILDIRIM L., ÖZBEY S., POLAT M., ÇOLAK Ş., Project Supported by Higher Education Institutions, FİZ301 FİZİK LAB. V. (Kuantum Fiziği Laboratuvarı) dersi kapsamındaki bazı deney donanımlarının sarf malzeme eksikliklerinin giderilmesi, 2014 - 2015

Metrics

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