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Education Information

Doctorate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Chemistry, Turkey 1978 - 1982

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Chemistry, 1990 - Continues

Advising Theses

Toppare L. K. , The impact of [1,2,5]chalcogenazolo[3,4,F]-benzo[1,2,3]triazole structure on the optoelectronic properties of conjugated polymers, Postgraduate, E.AYDAN(Student), 2020

Toppare L. K. , Design, syntheses and structure-property relationships of benzazole and isoindigo comprising conducting polymers/, Doctorate, S.GÖKER(Student), 2019

TOPPARE L. K. , ELECTROCHEMICAL SENSING OF GLUCOSE USING CONJUGATED POLYMER/CHITOSAN/MWCNT ARCHITECTURE, Postgraduate, H.ÖZEL(Student), 2019

Çırpan A., Toppare L. K. , CONJUGATED POLYMERS WITH BENZOTHIADIAZOLE AND BENZOTRIAZOLE FOR ORGANIC SOLAR CELLS, Postgraduate, M.CAN(Student), 2019

Toppare L. K. , Ünalın H. E. , Silver nanowire inks for fabrics, Postgraduate, M.NUR(Student), 2019

Çırpan A., Toppare L. K. , FUSED CONJUGATED STRUCTURES FOR ORGANIC ELECTRONICS, Doctorate, Ş.CAN(Student), 2019

TOPPARE L. K. , Functionalization and fabrication of polymer based device platform architectures for sensor applications, Doctorate, S.SÖYLEMEZ(Student), 2018

TOPPARE L. K. , Inverted organic solar cell applications of benzodithiophene and benzotriazole bearing alternating copolymers, Postgraduate, E.BOLAYIR(Student), 2018

TOPPARE L. K. , Investigation of the effects of different macrostructures on conjugated polymer based amperometric biosensor performance, Postgraduate, E.BÜBER(Student), 2018

TOPPARE L. K. , Polymer light emitting diodes and organic solar cells towards ito free devices and high efficiency devices using electrochemically synthesized polymers /, Doctorate, G.Hızalan(Student), 2017

TOPPARE L. K. , Synthesis, electrochemical characterization and organic solar cell applications of selenophene containing conjugated polymers, Postgraduate, M.YAŞA(Student), 2017

TOPPARE L. K. , Multi-functional polymer scaffolds as biosensors for detection of ethanol and organophosphorous pesticides and as a fluorescent probe for cell imaging purpose, Doctorate, M.KESİK(Student), 2017

TOPPARE L. K. , Toppare L., Multi-functional polymer scaffolds as biosensors for detection of ethanol and organophosphorous pesticides and as fluorescent probes for cell imaging purposes, Doctorate, M.Kesik(Student), 2017

TOPPARE L. K. , Polymer light emitting diodes and organic solar cells towards ITO free devices and high efficiency devices using electrochemically synthesized polymers, Doctorate, G.HIZALAN(Student), 2017

TOPPARE L. K. , Syntheses, spectroelectrochemical and electrochemical characterizations of naphthodithiophene containing polymers for solar cell applications, Postgraduate, E.İŞİK(Student), 2016

TOPPARE L. K. , Development of amperometric cholinesterase biosensors based on a conducting polymer for detection of anti-dementia drugs and pesticides, Postgraduate, J.TURAN(Student), 2016

DOĞAN Ö., TOPPARE L. K. , Syntheses of new multifunctional donor acceptor type polymers for electrochromic and organic solar cell applications / , Doctorate, Ş.ÖZDEMİR(Student), 2016

TOPPARE L. K. , Development of amperometric glucose biosensors based on conducting polymers and different materials providing enhanced performance, Postgraduate, T.CEREN(Student), 2016

TOPPARE L. K. , Benzodithiophene and benzotriazole bearing alternating copolymers, effect of thiophene and bithiophene _bridges on photovoltaic properties, Postgraduate, Ç.İSTANBULLUOĞLU(Student), 2016

TOPPARE L. K. , Synthesis, photophysical and photovoltaic properties of 11-fluorodibenzo[a,c]phenazine bearing donor-acceptor type conjugated polymers, Postgraduate, E.AKTAŞ(Student), 2016

TOPPARE L. K. , Syntheses, electrochemical and spectroelectrochemical characterizations of benzothiadiazole and benzoselenadiazole containing random copolymers, Postgraduate, S.KUTKAN(Student), 2016

TOPPARE L. K. , ÇIRPAN A., Syntheses, characterization and optical properties of fluorine containing benzimidazole derivatives, Postgraduate, M.İleri(Student), 2015

TOPPARE L. K. , Benzoselenadiazole, quinoxaline and thienothiophene based monomers; electrochemical and spectroelectrochemical properties, Postgraduate, S.TOKSABAY(Student), 2014

TOPPARE L. K. , Syntheses and investigation of optoelectronic properties of 5, 6- BIS (octyloxy) benzo[c] [1,2,5]oxadiazole, Postgraduate, S.Göker(Student), 2014

TOPPARE L. K. , A functional immobilization matrix based on a conducting polymer modified with PMMA/clay nanocomposites and gold nanoparticles: Applications to amperometric glucose biosensors, Postgraduate, M.KESİK(Student), 2014

TOPPARE L. K. , Development of novel immobilization matrices via surface modification approach for glucose detection and their biosensor applications, Doctorate, S.DEMİRCİ(Student), 2014

TOPPARE L. K. , Syntheses and investigation of optoelectronic properties of 5,6-bis(octyloxy)benzo[c][1,2,5]oxadiazole derivatives, Postgraduate, S.GÖKER(Student), 2014

Çırpan A., Toppare L. K. , Synthesis, characterizations and photovoltaic applications of dithienothiophene and benzotriazole containing conjugated polymers, Postgraduate, Ş.Can(Student), 2013

TOPPARE L. K. , ÇIRPAN A., Synthesis, Characterizations And Photovoltaic Applications Of Dithienothiophene And Benzotriazole Containing Conjugated Polymers, Postgraduate, Ş.Can(Student), 2013

TOPPARE L. K. , ÇIRPAN A., The Combination Of Benzotriazole And N-Functionalized 2,5-Di(2-Thienyl)-1h-Pyrrole Units To Investigate The Electrochromic Properties Of Conjugated Polymers, Postgraduate, E.Rende(Student), 2013

TOPPARE L. K. , ÇIRPAN A., Syntheses of new monomeric and polymeric units and electrochemical behaviors for the use in electrochromic applications, Postgraduate, N.Buket(Student), 2013

TOPPARE L. K. , Synthesis, spectroscopic and electrochemical studies of perylene containing conjugated copolymers, Postgraduate, Ş.BAYSEÇ(Student), 2013

TOPPARE L. K. , Synthesis and electrochemical studies of fluorene and benzimidazole containing conjugated polymers, Postgraduate, İ.NAMAL(Student), 2013

TOPPARE L. K. , Syntheses and characterization of benzimidazole containing polymers: a comparative study on donor unit effect and influence of H-bonding, Postgraduate, A.Gökçek(Student), 2013

TOPPARE L. K. , ÇIRPAN A., Substituted quinoxaline and benzimidazole containing monomers as long wavelength photosensitizers for diaryliodonium salt initiators in photopolymerization, Postgraduate, B.Çorakçı(Student), 2013

TOPPARE L. K. , ÇIRPAN A., Syntheses and characterization of benzimidazole containing polymers: A comparative study on donor unit effect and influence of H-bonding, Postgraduate, A.GÖYÇEK(Student), 2013

TOPPARE L. K. , ÇIRPAN A., Synthesis of electroactive benzimidazole derivatives and their electrochromic properties, Postgraduate, A.CAN(Student), 2012

TOPPARE L. K. , Electrochromic and photovoltaic applications of conjugated polymers, Postgraduate, D.Hazar(Student), 2012

TOPPARE L. K. , Bioactive surface design based on conducting polymers and applications to biosensors, Postgraduate, F.EKİZ(Student), 2012

TOPPARE L. K. , Cholesterol oxidase biosensors based on polymer networks of chitosan/alginate acid and chitosan/p(toluenesulfonicacid), Postgraduate, E.Yapar(Student), 2012

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TOPPARE L. K. , Spectrophotometric and amperometric biosensors based on conducting polymers of 1-benzyl-2,5-di(thiophen-2-yl)-1H-pyrrole and(4,7-dithien-2-yl-2,1,3-benzothiadiazole), Postgraduate, S.TANRIVERDİ(Student), 2012

TOPPARE L. K. , ÇIRPAN A., Electrochemical And Optical Properties Of Solution Processable Benzotriazole And Benzothiadiazole Containing Copolymers, Postgraduate, M.Karakuş(Student), 2011

TOPPARE L. K. , ÇIRPAN A., Solution Processable Benzotriazole And Fluorene Containing Copolymers For Photovoltaic Applications, Postgraduate, E.Kaya(Student), 2011

TOPPARE L. K. , Toppare L., Dibenzophenazine and quinoxaline derivatives as novel visible photosensitizers for diaryliodonium salts, Postgraduate, M.Kolay(Student), 2011

TOPPARE L. K. , Benzyl functionalized benzotriazole containing conjugated polymers: Effect of substituent position on electrochromic properties and synthesis of crown ether functionalized electrochromic polymers, Doctorate, B.YİĞİTŞOY(Student), 2011

TOPPARE L. K. , Spray processable ambipolar benzotriazole bearing electrochromic polymers with multi-colored and transmissive states, Postgraduate, G.HIZALAN(Student), 2011

HACALOĞLU J., TOPPARE L. K. , Investigation of thermal characteristics of a series polyoxazolines by direct pyrolysis mass spectrometry, Postgraduate, N.Atıkan(Student), 2011

HACALOĞLU J., TOPPARE L. K. , Electrochemical polymerization of trihaloalkane monomers to form branched C-backbone polymers, Doctorate, Y.NUR(Student), 2011

TOPPARE L. K. , Syntheses of benzotriazole bearing donor acceptor type random copolymers for full visible light absorption, Postgraduate, G.ÖKTEM(Student), 2011

TOPPARE L. K. , HACALOĞLU J., Investigation of thermal characteristics of a series of polyoxazolines by direct pyrolysis mass spectrometry, Postgraduate, N.ATILKAN(Student), 2011

TOPPARE L. K. , Synthesis of benzimidazole containing donor acceptor electrochromic polymers, Postgraduate, H.ZEKİYE(Student), 2011

TOPPARE L. K. , Microwave initiated polymerization of trihalophenyleneoxide and aniline, Postgraduate, F.LEVENT(Student), 2011

TOPPARE L. K. , Combination of donor characters in donor-acceptor-donor type polymers containing benzothiadiazole and quinoxaline as the acceptor units, Postgraduate, M.ŞENDUR(Student), 2011

TOPPARE L. K. , Electrochromic and photovoltaic applications of benzotriazole bearing donor acceptor type conjugated polymers, Postgraduate, D.Baran(Student), 2010

TOPPARE L. K. , DOĞAN Ö., Synthesis of new ferrocenyl substituted quinoxaline derivative monomers, their polymerization and electrochemical behaviors, Postgraduate, Ş.ÖZDEMİR(Student), 2010

TOPPARE L. K. , Tuning the optoelectronic properties of conjugated polymers via donor-acceptor-donor architectures, Doctorate, S.TARKUÇ(Student), 2010

TOPPARE L. K. , Design and synthesis of novel donor-acceptor type monomers and investigation of optoelectronic properties of their polymers, Doctorate, E.KÖSE(Student), 2010

TOPPARE L. K. , Amperometric microbial and enzymatic biosensors based on conducting polymers, Postgraduate, S.TUNÇAĞIL(Student), 2010

TOPPARE L. K. , Amperometric cholesterol and alcohol biosensors based on conducting polymers, Doctorate, Ö.TÜRKARSLAN(Student), 2010

TOPPARE L. K. , Electrochromic and photovoltaic applications of benzotriazole bearing donor acceptor type conjugated polymers, Postgraduate, D.BARAN(Student), 2010

TOPPARE L. K. , Novel donor-acceptor type green polymer bearing pyrrole as the donor unit with excellent switching times and very low band gap and its multichromic copolymers, Postgraduate, S.ÇELEBİ(Student), 2009

TOPPARE L. K. , Realization of neutral state green polymeric materials, Postgraduate, A.DURMUŞ(Student), 2009

TOPPARE L. K. , Synthesis and electrochromic properties of conducting polymers of 4-(2,5-Di(thiophen-2-yl)-1H-pyrrol-1-yl) benzenamine and their use in electrochromic devices, Postgraduate, E.YILDIZ(Student), 2009

TOPPARE L. K. , Synthesis of benzotriazole bearing donor acceptor type electroactive monomers towards high optical contrast and fast switching electrochromic materials, Postgraduate, A.Balan(Student), 2009

TOPPARE L. K. , Synthesis and electrochromic properties of a multichromic, conducting, soluble polythiophene derivative and its copolymer, Postgraduate, F.ÖZYURT(Student), 2009

TOPPARE L. K. , Synthesis and electrochromic properties of conducting polymers of 5,8-Di(pyrrol-2-yl)-2,3-di(thiophen-2-yl) quinoxaline and its copolymers, Postgraduate, A.TUBA(Student), 2009

TOPPARE L. K. , The synthesis of donor-acceptor type electroactive monomers bearing pyrrole and selenophene as the donor moieties and their polymers, Postgraduate, B.EPİK(Student), 2009

TOPPARE L. K. , A new p and n dopable selenophene derivative and its electrochromic properties, Postgraduate, G.ARDAHAN(Student), 2008

TOPPARE L. K. , Synthesis of a new conducting polymer based on functionalized anthracene and its uses as an electrochromic device component, Postgraduate, A.GÜL(Student), 2008

TOPPARE L. K. , Electrochromism with selenophene derivatives, Postgraduate, K.AYDEMİR(Student), 2008

TOPPARE L. K. , Biosensor based on interpenetrated polymer network of alginic acid and poly (1-vinylimidazole), Postgraduate, M.KARTAL(Student), 2008

TOPPARE L. K. , Synthesis and characterization of conducting copolymers of thiophene ended poly (ethyleneoxide): Their electrochromic properties and use in enzyme immobilization, Doctorate, H.BEKİR(Student), 2007

TOPPARE L. K. , Novel donor-acceptor type polymers towards excellent neutral state green polymeric materials for realization of RGB based electrochromic device applications, Postgraduate, G.EMRULLAH(Student), 2007

TOPPARE L. K. , Immobilization of tyrosinase in polysiloxane/polypyrrole copolymer matrices, Postgraduate, A.ARSLAN(Student), 2006

TOPPARE L. K. , Synthesis, characterization and electrochromic properties of conducting copolymers of terephthalic acid bis-(thiophen-3-ylmethyl)thioester and conducting polymer of 1-(4-fluorophenyl)-2,5-di(thiophen-2-yl)-1H-pyrrole, Postgraduate, Ö.TÜRKARSLAN(Student), 2006

TOPPARE L. K. , Synthesis and characterization of a new soluble polythiophene derivative and its electrochromic application, Postgraduate, S.TARKUÇ(Student), 2006

TOPPARE L. K. , Synthesis and electrochromic properties of conducting polymers of succinic acid bis-(2-thiophen-3-yl-ethyl) ester and their use in electrochromic devices, Postgraduate, L.SAÇAN(Student), 2006

TOPPARE L. K. , Immobilization of glucose oxidase and polyphenol oxidase in conducting copolymer of pyrrole functionalized polystyrene with pyrrole, Postgraduate, O.Ekinci(Student), 2006

TOPPARE L. K. , Activity analysis of immobilized tyrosinase enzyme in the presence of different inhibitors, Postgraduate, I.NARLI(Student), 2006

TOPPARE L. K. , Synthesis of polythiophene and polypyrrole derivatives and their application in electrochromic devices, Doctorate, M.AK(Student), 2006

TOPPARE L. K. , Synthesis and electrochromic properties of conducting polymers of 1-(4-nitrophenyl)-2,5-di(2-thienyl)-1H-pyrrole and their use in electrochromic devices, Postgraduate, S.VARIŞ(Student), 2006

TOPPARE L. K. , Synthesis of a new thiophene derivative and its uses as an electrochromic device component, Postgraduate, B.YİĞİTSOY(Student), 2006

TOPPARE L. K. , Immobilization of glucose oxidase and polyphenol oxidase in conducting copolymer of pyrrole functionalized polystyrene with pyrrole, Postgraduate, O.EKİNCİ(Student), 2006

TOPPARE L. K. , Immobilization of glucose oxidase and polyphenol oxidase in poly(n-(4-(3-thienyl methylene)-oxycarbonylphenyl) maleimide)-co-pyrrole) matrice, Postgraduate, M.ÇİL(Student), 2006

TOPPARE L. K. , Syntheses of conducting polymers of 3-ester substituted thiophenes and characterization of their electrochromic properties, Doctorate, P.ÇAMURLU(Student), 2006

TOPPARE L. K. , Activity analysis of immobilized tyrosinase in the presence of different inhibitors, Postgraduate, I.Narlı(Student), 2006

TOPPARE L. K. , Synthesis, characterization and electrochromic properties of conducting copolymers of terephthalic acid bis-(thiophen-3-ylmethyl)thioester with thiophene and pyrrole and conducting polymer of 1-(4-fluorophenyl)-2,5-

di(thiophen-2-yl)-1h-pyrrole, Postgraduate, Ö.Türkarlan(Student), 2006

TOPPARE L. K. , Synthesis and electrochromic properties of conducting polymers of 1-(4-nitrophenyl)-2,5-di(2-thienyl)-1H-pyrrole and their use in eletctrochromic devices, Postgraduate, S.Varış(Student), 2006

TOPPARE L. K. , Synthesis and electrochromic properties of conducting copolymers of dioxocino -and dithiocino- quinoxalines with bithiophene, Postgraduate, Ş.BEYAZYILDIIM(Student), 2005

TOPPARE L. K. , Immobilization of invertase, polyphenol oxidase and glucose oxidase n conducting copolymers of thiophene-capped polytetrahydrofuran and pyrrole, Doctorate, A.Elif(Student), 2005

TOPPARE L. K. , Immobilization of invertase, polyphenol oxidase and glucose oxidase in conducting copolymers of thiophene-capped polytetrahydrofuran and pyrrole, Doctorate, A.ELİF(Student), 2005

TOPPARE L. K. , Synthesis of conducting block copolymers and their use in the immobilization of invertase and polyphenol oxidase enzymes, Doctorate, S.KIRALP(Student), 2004

TOPPARE L. K. , HACALOĞLU J., Characterization of conducting polymers of ester linkage containing thiophene derivatives via mass spectroscopy, Postgraduate, E.ASLAN(Student), 2004

TOPPARE L. K. , Synthesis and characterization of poly(oxalic acid dithiophen-3-yl methyl ester) and thiophene ended poly-caprolactone, Postgraduate, İ.Kerman(Student), 2004

TOPPARE L. K. , İletken aşı kopolimerlerin sentezi ve bunların enzim tutklama matrisleri olarak kullanımları, Doctorate, E.ŞAHMETLİOĞLU(Student), 2004

TOPPARE L. K. , Synthesis of conducting polymers of terephthalic acid bis-(2-thiophen-3-yl-ethyl)ester and investigation of their electrochromic properties, Postgraduate, Y.Coşkun(Student), 2004

TOPPARE L. K. , Synthesis of block conducting copolymers of cholesteryl functionalized thiophene and their use in the immobilization of cholesterol oxidase, Doctorate, A.Çırpan(Student), 2004

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TOPPARE L. K. , Synthesis and characterization of poly(oxalic acid dithiophen-3-yl methyl ester) and thiophene ended poly-?-caprolactone, Postgraduate, İ.KERMAN(Student), 2004

TOPPARE L. K. , Synthesis of conducting polymers of terephthalic acid bis-(2- thiophen-3-YL-ethyl) ester and investagation of their electrochromic properties, Postgraduate, Y.COŞKUN(Student), 2004

ÖZKAN İ., TOPPARE L. K. , Quantum chemical study of geometries and electronic structures of aromatic five-membered heterocyclic oligomers in the ground and lowest singlet excited states, Postgraduate, N.ÖKSÜZ(Student), 2004

TOPPARE L. K. , HACALOĞLU J., Synthesis of conducting copolymer of succinic acid bis-(pyrrolyl-phenyl) ester with thiophene, Postgraduate, M.ERTAŞ(Student), 2003

YILMAZ L., TOPPARE L. K. , Gas permeation properties of poly (arlyene ether ketone) and its mixed matrix membranes with polypyrrole, Postgraduate, G.MERGEN(Student), 2003

TOPPARE L. K. , Synthesis and characterization of a random copolymer having variable thiophene units on the backbone, Postgraduate, Y.GÜNER(Student), 2003

TOPPARE L. K. , Synthesis and characterization of conducting copolymers of carboxylic acid multithiophene functionalized monomers, Postgraduate, U.BULUT(Student), 2003

TOPPARE L. K. , Synthesis and characterization of conducting copolymers of thiophene functionalized monomers and polymers, Postgraduate, Ö.Papila(Student), 2003

TOPPARE L. K. , Synthesis characterization of conducting copolymers of thiophene functionalized monomers and polymers, Postgraduate, Ö.PAPİLA(Student), 2003

TOPPARE L. K. , Synthesis and characterization of thiophen-3-yl-acetic acid 4-pyrrol-1-yl-phenyl ester and its conducting polymers, Postgraduate, B.BİNGÖL(Student), 2003

TOPPARE L. K. , YILMAZ L., Gas permeation properties of poly(arylene ether ketone) and its mixed matrix membranes with polypyrrole, Postgraduate, G.Mergen(Student), 2003

TOPPARE L. K. , Synthesis of thiophene capped polytetrahydrofuran conducting copolymers, Postgraduate, E.ÜNÜR(Student), 2003

TOPPARE L. K. , Immobilization of invertase and glucose oxidase in conducting m-type polysiloxane/ polypyrrole block copolymer matrices, Postgraduate, A.GÜRSEL(Student), 2002

TOPPARE L. K. , Toppare L., Conducting block copolymers of thiophene-capped poly(methyl methacrylate) with pyrrole and their uses in immobilization of enzymes, Doctorate, S.Alkan(Student), 2002

TOPPARE L. K. , Immobilization of invertase and glucose oxidase in poly 2-methylbutyl-2-(3-thienyl) acetate/ polypyrrole matrices, Postgraduate, S.IŞIK(Student), 2002

TOPPARE L. K. , HACALOĞLU J., Synthesis of blocks copolymers of (S)-2-methylbutyl 2-(3-thienyl) acetate and its characterization via pyrolysis mass spectrometry, Postgraduate, A.LEVENT(Student), 2002

AKBULUT U., TOPPARE L. K. , Immobilization of saccharomyces cerevisiae in graft copolymers of pyrrole, Postgraduate, Z.BALCI(Student), 2001

TOPPARE L. K. , Investigation of pyrrole end capped polytetrahydrofuran graft copolymers via mass spectrometry, Postgraduate, C.ÖZDİLEK(Student), 2001

YILMAZ L., TOPPARE L. K. , Effect of preparation parameters on performance of dense homogeneous polycarbonate and polypyrrole-polycarbonate mixed matrix membranes, Postgraduate, P.HACARLIOĞLU(Student), 2001

TOPPARE L. K. , Immobilization of glucose oxidase enzyme in conducting graft copolymers of pyrrole, Postgraduate, S.TİRKEŞ(Student), 2001

TOPPARE L. K. , TİNCER İ. T. , Mechanical properties of graft copolymers of polypyrrole, Postgraduate, C.BİRAN(Student), 2001

TOPPARE L. K. , TİNCER İ. T. , Preparation of a conducting flexible material from silane coupling agent and hydroxyl terminated polybutadiene rubber by hydrolysis and condensation., Postgraduate, Y.KARATAŞ(Student), 2001

TOPPARE L. K. , Synthesis and characterization of conducting polysiloxane-polypyrrole graft copolymers, Postgraduate, Ö.GÜNAYDIN(Student), 2001

TOPPARE L. K. , Immobilization of invertase in pyrrole capped polyazotetrahydrofuran/polypyrrole and polytetrahydrofuran-block-polystyrene/polypyrrole conducting gr..., Postgraduate, R.ERGİNER(Student), 2000

TOPPARE L. K. , Synthesis of conducting graft copolymers of 2-(N-pyrrolyl)ethylvinylether with pyrrole, Postgraduate, B.BENGÜ(Student), 2000

TOPPARE L. K. , HACALOĞLU J., Structural investigation of conducting polymer graft of pyrrole via mass spectrometry, Postgraduate, T.UYAR(Student), 2000

TOPPARE L. K. , Conducting polymers of N-pyrrolyl ethyevinyl ether and polysiloxones, Postgraduate, E.KALAYCIOĞLU(Student), 1999

TOPPARE L. K. , Conducting graft copolymers of polytetrahydrofuran polystyrene with polypyrrole, Postgraduate, S.ÖZTEMİZ(Student), 1999

TOPPARE L. K. , Conducting copolymers of polypyrrole/polytetrahydrofuran and immobilization of invertase in these matrices, Postgraduate, N.KIZILYAR(Student), 1998

TOPPARE L. K. , Conducting polymers and composites of pyrrole and their uses as sensors, Doctorate, F.SELAMPINAR(Student), 1997

TOPPARE L. K. , Conducting polymer composites of polypyrrole and polyindene, Postgraduate, A.BOZKURT(Student), 1996

TOPPARE L. K. , AKBULUT U., Electrochemically obtained insulating and conducting polymers and composites of acrylonitrile., Doctorate, B.YURTTAŞ(Student), 1996

AKBULUT U., TOPPARE L. K. , Synthesis of polythiophene conducting polymer composites, Postgraduate, F.VATANSEVER(Student), 1995

TOPPARE L. K. , Semiempirical calculations on the polymerization mechanism of throphere and some derivaties, Postgraduate, G.KILIÇ(Student), 1995

TOPPARE L. K. , A Theoretical investigation of the interaction between conducting and insulating polyness, Postgraduate, S.BAHÇECİ(Student), 1995

TOPPARE L. K. , Synthesis of polypyrrole conducting polymer composites, Postgraduate, F.SELAMPINAR(Student), 1993

TOPPARE L. K. , Electroinitiated polymerization of acrylamide, acrolein and copolymerization., Doctorate, B.HACIOĞLU(Student), 1988

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. Effect of random copolymerization on the optical properties of selenophene and thieno[3,4-c]pyrrole-4,6-dione conjugated polymers
Yasa M., UDUM Y., TOPPARE L. K.

Microchemical Journal, vol.178, 2022 (Journal Indexed in SCI Expanded)

- II. **Investigation the effect of π bridge and side chain on photovoltaic properties of benzodithiophene and quinoxaline based conjugated polymers**
TAŞKAYA ASLAN S., Alemdar Yılmaz E., Hacıfendioglu T., UDUM Y., TOPPARE L. K. , YILDIRIM E., ÇIRPAN A.
European Polymer Journal, vol.169, 2022 (Journal Indexed in SCI Expanded)
- III. **Thieno[3,4-c]pyrrole-4,6-dione-Based Conjugated Polymers for Nonfullerene Organic Solar Cells**
Yasa M., TOPPARE L. K.
MACROMOLECULAR CHEMISTRY AND PHYSICS, vol.223, no.5, 2022 (Journal Indexed in SCI)
- IV. **Multipurpose acetic acid functionalized carbazole derivatives: Synthesis, electrochemical properties and electrochromic device applications**
Hacioglu Ş., YİĞİT D., Akbey T. E. , UDUM Y., GÜLLÜ M., DEPCI T., TOPPARE L. K.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.908, 2022 (Journal Indexed in SCI)
- V. **Selenophene-containing conjugated polymers for supercapacitor electrodes**
Yildiz D. E. , Cevher D., Yasa M., ÇIRPAN A., TOPPARE L. K.
Journal of Polymer Science, vol.60, no.1, pp.109-121, 2022 (Journal Indexed in SCI Expanded)
- VI. **Synthesis of selenophene substituted benzodithiophene and fluorinated benzothiadiazole based conjugated polymers for organic solar cell applications**
TAŞKAYA ASLAN S., Cevher D., Bolayır E., Hizalan Ozsoy G., UDUM Y., YILDIRIM E., TOPPARE L. K. , ÇIRPAN A.
Electrochimica Acta, vol.398, 2021 (Journal Indexed in SCI)
- VII. **Light induced step-growth polymerization of Donor-Acceptor-Donor (DAD) type monomers based on thiophene - [1,2,5] Chalcogenazolo[3,4-f]-benzo [1,2,3] triazole - Thiophene**
Kaya K., Alkan E. A. , Yasa M., Suerkan A., UDUM Y., TOPPARE L. K. , Yağcı Y.
EUROPEAN POLYMER JOURNAL, vol.161, 2021 (Journal Indexed in SCI)
- VIII. **Non-fullerene organic photovoltaics based on thienopyrroledione comprising random copolymers; effect of alkyl chains**
Yasa M., Depci T., Alemdar E., Hacıoglu Ş., Çırpan A., Toppare L. K.
RENEWABLE ENERGY, vol.178, pp.202-211, 2021 (Journal Indexed in SCI)
- IX. **A Nonionic Alcohol Soluble Polymer Cathode Interlayer Enables Efficient Organic and Perovskite Solar Cells**
Sharma A., Singh S., Song X., Rosas Villalva D., Troughton J., Corzo D., Toppare L. K. , GÜNBAŞ E. G. , Schroeder B. C. , Baran D.
CHEMISTRY OF MATERIALS, vol.33, no.22, pp.8602-8611, 2021 (Journal Indexed in SCI)
- X. **Light induced step-growth polymerization of Donor-Acceptor-Donor (DAD) type monomers based on thiophene - [1,2,5] Chalcogenazolo[3,4-f]-benzo [1,2,3] triazole - Thiophene**
Toppare L. K. , Kaya K., Aydan E., Yaşa M., Süerkan A., Udum Y., Yağcı Y.
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Activities in Scientific Journals

Turkish Journal of Chemistry, Advisory Committee Member, 2010 - Continues

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Memberships / Tasks in Scientific Organizations

Bilim Akademisi, Member, 2012 - Continues

Scientific Refereeing

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Glucose Oxidase Immobilization on Thiazolothiazole Containing Multichromic Polymer Matrice for Glucose Detection , Attendee, İstanbul, Turkey, 2019

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