

Prof. EMRAH ÇAKMAKÇI

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International Researcher IDs

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Biography

Emrah ÇAKMAKÇI was born in 1985 in Istanbul. He graduated from Şişli Anatolian High School and then completed his undergraduate studies at Marmara University, Department of Chemistry. He completed his master's and doctoral studies at the same university. During his doctoral studies, he also started to work as a research assistant. In 2017, he was appointed as an assistant professor and he became an associate professor in the same year. Photocurable materials, flame retardants, polyurethanes, polyimides, nanomaterials, and biobased polymers are among the topics of his work. He provides consultancy to many companies in many projects within the framework of University-Industry cooperation.

Education Information

Doctorate, Marmara University, Faculty of Arts and Sciences, Chemistry, Turkey 2009 - 2013

Postgraduate, Marmara University, Faculty of Arts and Sciences, Chemistry, Turkey 2007 - 2009

Undergraduate, Marmara University, Faculty of Arts and Sciences, Chemistry, Turkey 2003 - 2007

Foreign Languages

English, C2 Mastery

Dissertations

Doctorate, Yeni yüksek performanslı poliidler in sentezi ve karakterizasyonu, Marmara Üniversitesi, Faculty of Arts and Sciences, Chemistry, 2013

Postgraduate, Elektrospinning yöntemi ile yeni polimerik malzemelerin sentezi ve karakterizasyonu, Marmara Üniversitesi, Faculty of Arts and Sciences, Chemistry, 2009

Research Areas

Chemistry, Natural Sciences

Academic Titles / Tasks

Professor, Marmara University, Faculty of Sciences, Department of Chemistry, 2023 - Continues
Associate Professor, Marmara University, Faculty of Arts and Sciences, Chemistry, 2017 - 2023
Assistant Professor, Marmara University, Faculty of Arts and Sciences, Chemistry, 2017 - 2018
Research Assistant, Marmara University, Faculty of Arts and Sciences, Chemistry, 2009 - 2017

Courses

Organic Chemistry Laboratory II, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018
General Chemistry II, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
General Chemistry Laboratory II, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
Nanomaterials, Postgraduate, 2019 - 2020, 2018 - 2019
Polimer Kimyasında Yeni Ufuklar, Undergraduate, 2018 - 2019
General Chemistry I, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
General Chemistry Laboratory II, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
Research Project, Undergraduate, 2019 - 2020, 2018 - 2019
Organic Chemistry Laboratory I, Undergraduate, 2018 - 2019, 2017 - 2018
Advanced Technological Materials, Undergraduate, 2018 - 2019
Sinai Kimya, Undergraduate, 2018 - 2019, 2017 - 2018
Undergraduate, 2015 - 2016

Advising Theses

Danış Ö., Çakmakçı E., Gıda atıklarından kolajen ekstraksiyonu ve kitosan, polihidroksialkanoat kompozitlerinin hazırlanması, Postgraduate, A.ODABAŞ(Student), 2020
Demir S., Çakmakçı E., Pektinazın amberlit XAD-4 reçinelerine klik reaksiyonlarla immobilizasyonu, Postgraduate, D.HOCAOĞLU(Student), 2019
Demir S., Çakmakçı E., POLİVİNİL ALKOL, JELATİN VE HİDROKSİMETİL SELÜLOZ İÇEREN ÇAPRAZ BAĞLI HİDROJELE LİPAZ ENZİMİNİN İMMOBİLİZASYONU, Postgraduate, E.ÖZAYDIN(Student), 2019
Ogan A., Çakmakçı E., Asetilkolinesterazin farklı polimerik yüzeylere immobilize edilmesi, Postgraduate, K.KHALED(Student), 2018
Danış Ö., Çakmakçı E., Extraction of collagen from food waste and the preparation of polyhydroxyalkanoate composites, Postgraduate, M.WESAMBA(Student), 2017
Demir S., Çakmakçı E., Aldehit fonksiyoneliğine sahip polimerik yüzeye antikorların kovalent olarak immobilizasyonu, Postgraduate, M.PELİN(Student), 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Triazole-, piperazine-, and DOPO-containing eugenol-based reactive flame retardant for unsaturated polyester resin**
Özükantar Ö., Sagdic G., ÇAKMAKÇI E., Özmen F. K., Üreyen M. E., Günay U. S., Durmaz H., Kumbaracı İ. V.
Journal of Applied Polymer Science, vol.141, no.43, 2024 (SCI-Expanded)
- II. **Imide-yne click polymerization: a new and versatile tool for the toolbox of X-yne click polymerization**
Aslanturk O., Sagdic G., ÇAKMAKÇI E., Durmaz H., Günay U. S.
Polymer Chemistry, vol.15, no.39, pp.3991-4004, 2024 (SCI-Expanded)
- III. **One-Step Solvent-Free Synthesis of Dimer Diamine-Based Autocatalytic Polyol for the Preparation of**

Polyurethane Foams

Nasuhoglu B., ÇAKMAKÇI E., KAHRAMAN M. V.

Macromolecular Materials and Engineering, vol.309, no.5, 2024 (SCI-Expanded)

- IV. **Sustainable polymers from renewable resources through click and multicomponent reactions**
Lüleburgaz S., ÇAKMAKÇI E., Durmaz H., Tunca Ü.
European Polymer Journal, vol.209, 2024 (SCI-Expanded)
- V. **Incorporation Mechanism of Potassium in FAPbI₃ Perovskite Solar Cell Materials**
ALEVLİ M., Gungor N., KAVAK P., ŞAHİN N., Corcor A., Topal I., ESMER K., ÇAKMAKÇI E., DEĞER C., YAVUZ İ.
Journal of Physical Chemistry C, vol.128, no.7, pp.2759-2766, 2024 (SCI-Expanded)
- VI. **Arylcoumarin and novel biscoumarin derivatives as potent inhibitors of human glutathione S-transferase**
Ozalp L., Orhan B., Alparslan M. M., Meletli F., Çakmakçı E., Daniş Ö.
Journal of Biomolecular Structure and Dynamics, vol.42, no.21, pp.11456-11470, 2024 (SCI-Expanded)
- VII. **Facile Modification of Propiolated Castor Oil via Nucleophilic Thiol-Yne Click Reactions**
Kalayci D., Akar E., Lüleburgaz S., ÇAKMAKÇI E., Günay U. S., Kumbaracı İ. V., Durmaz H., Tunca Ü.
Macromolecular Chemistry and Physics, 2024 (SCI-Expanded)
- VIII. **Phosphorus-Containing Biobased Dimethacrylate Resin with Imine Linkages**
Özükanar Ö., ÇAKMAKÇI E., Kumbaracı İ. V.
Macromolecular Materials and Engineering, 2024 (SCI-Expanded)
- IX. **New Horizon in Phospha-Michael Reaction: Ultrafast Double Addition of P-H Bond-Bearing Nucleophiles to Electron-Deficient Triple Bonds and Its Use for Functional Monomer Synthesis and Polymer Modification**
Sagdic G., Daglar O., ÇAKMAKÇI E., FINDIK V., ERDEM S., Tunca Ü., Günay U. S., Durmaz H.
Macromolecules, vol.56, no.17, pp.7006-7022, 2023 (SCI-Expanded)
- X. **Removal of boron from aqueous solution by modified cellulose**
Yetgin A. G., Dundar O. A., ÇAKMAKÇI E., ARAR Ö.
BIOMASS CONVERSION AND BIOREFINERY, vol.13, no.14, pp.13081-13090, 2023 (SCI-Expanded)
- XI. **Thiol-ene photopolymerization meets azide-alkyne click reactions: P/N/Si-containing, dual curable eugenol-based hybrid coatings**
Özükanar Ö., ÇAKMAKÇI E., Daglar O., Durmaz H., Kumbaracı İ. V.
European Polymer Journal, vol.195, 2023 (SCI-Expanded)
- XII. **Itaconic acid-derived reactive protic ionic liquid (PIL)-containing superabsorbent green hydrogel adsorbent for the removal of anionic textile dyes**
Aydın Urucu O., Deniz S., Kahraman N., Çakmakçı E.
Materials Today Communications, vol.36, 2023 (SCI-Expanded)
- XIII. **Eugenol-DOPO: A Bio-Based Phosphorous-Containing Monomer for Thiol-ene Photocurable Thermosets**
Özükanar Ö., ÇAKMAKÇI E., Sagdic G., Günay U. S., Durmaz H., Kumbaracı İ. V.
Journal of Polymers and the Environment, vol.31, no.7, pp.3259-3271, 2023 (SCI-Expanded)
- XIV. **Propiolated Castor Oil: A Novel and Highly Versatile Bio-Based Platform for Extremely Fast, Catalyst-, and Solvent-Free Amino-yne Click Reactions**
Celik B., Kandemir D., Lüleburgaz S., ÇAKMAKÇI E., Günay U. S., Kumbaracı İ. V., Durmaz H.
ACS SUSTAINABLE CHEMISTRY & ENGINEERING, vol.11, no.2, pp.831-841, 2023 (SCI-Expanded)
- XV. **Recent advances in flame retardant polymers via thiol-ene click chemistry**
ÇAKMAKÇI E.
Journal of Macromolecular Science, Part A: Pure and Applied Chemistry, vol.60, no.12, pp.817-840, 2023 (SCI-Expanded)
- XVI. **A double-click strategy for the synthesis of P and N-containing hydrolytically stable reactive flame retardant for photocurable networks**
Özükanar Ö., ÇAKMAKÇI E., Daglar O., Durmaz H., Kumbaracı İ. V.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.139, no.35, 2022 (SCI-Expanded)

- XVII. **Vegetable oil-based, coumarin-containing antibacterial thermosets with improved thermal stability via copper-free thermal azide-alkyne click polymerization**
ÇAKMAKÇI E., Ozdemir M., Sen F., Bulut M., YALÇIN B.
INDUSTRIAL CROPS AND PRODUCTS, vol.182, 2022 (SCI-Expanded)
- XVIII. **Metal-Free Click Modification of Triple Bond-Containing Polyester with Azide-Functionalized Vegetable Oil: Plasticization and Tunable Solvent Adsorption**
Cangul K., ÇAKMAKÇI E., Daglar O., Günay U. S., Hızal G., Tunca Ü., Durmaz H.
ACS OMEGA, vol.7, pp.23332-23341, 2022 (SCI-Expanded)
- XIX. **Thermal and mechanical properties of thiol-ene photocured thermosets containing DOPO-based liquid reactive flame retardant synthesized by metal-free azide-alkyne click reaction**
Sagdic G., ÇAKMAKÇI E., Daglar O., Günay U. S., Hızal G., Tunca Ü., Durmaz H.
PROGRESS IN ORGANIC COATINGS, vol.167, 2022 (SCI-Expanded)
- XX. **Isosorbide, pyrogallol, and limonene-containing thiol-ene photocured bio-based organogels for the cleaning of artworks**
Çakmak Y., Çakmakçı E., Kayaman Apohan N., Karadag R.
JOURNAL OF CULTURAL HERITAGE, vol.55, pp.391-398, 2022 (SCI-Expanded)
- XXI. **Quaternary imidazolium-functionalized reactive silica nanoparticles-containing thiol-ene photocured antibacterial hybrid coatings**
Şen F., Kocatürk E., ÇAKMAKÇI E., KAHRAMAN M. V.
Reactive and Functional Polymers, vol.170, 2022 (SCI-Expanded)
- XXII. **Imidazole modified acrylate-containing photocured hydrogels for the efficient removal of malachite green dye from aqueous solutions**
Aracier E. D., AYDIN URUCU O., ÇAKMAKÇI E.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.138, 2021 (SCI-Expanded)
- XXIII. **Acetylene Dicarboxylic Acid Diallyl Ester: A Versatile Monomer for Thiol-Ene Photocured Networks**
Daglar O., ÇAKMAKÇI E., Günay U. S., Hızal G., Tunca Ü., Durmaz H.
MACROMOLECULAR MATERIALS AND ENGINEERING, vol.306, no.11, 2021 (SCI-Expanded)
- XXIV. **Practical phosphorylation of polymers: an easy access to fully alcohol soluble synthetically and industrially important polymers**
Sagdic G., Daglar O., Günay U. S., ÇAKMAKÇI E., Hızal G., Tunca Ü., Durmaz H.
POLYMER CHEMISTRY, vol.12, pp.4478-4487, 2021 (SCI-Expanded)
- XXV. **Autocatalytic reactive flame retardants for rigid polyurethane foams**
Hamidov M., ÇAKMAKÇI E., KAHRAMAN M. V.
Materials Chemistry and Physics, vol.267, 2021 (SCI-Expanded)
- XXVI. **All in one: The preparation of polyester/silica hybrid nanocomposites via three different metal-free click reactions**
Daglar O., ÇAKMAKÇI E., Günay U. S., Hızal G., Tunca Ü., Durmaz H.
EUROPEAN POLYMER JOURNAL, vol.154, 2021 (SCI-Expanded)
- XXVII. **Extremely fast synthesis of polythioether based phase change materials (PCMs) for thermal energy storage**
Daglar O., ÇAKMAKÇI E., Hızal G., Tunca Ü., Durmaz H.
EUROPEAN POLYMER JOURNAL, vol.130, 2020 (SCI-Expanded)
- XXVIII. **A Straightforward Method for Fluorinated Polythioether Synthesis**
Daglar O., ÇAKMAKÇI E., Günay U. S., Hızal G., Tunca Ü., Durmaz H.
MACROMOLECULES, vol.53, no.8, pp.2965-2975, 2020 (SCI-Expanded)
- XXIX. **Fully bio-based thiol-ene photocured thermosets from isosorbide and tung oil**
Seker H., ÇAKMAKÇI E.
JOURNAL OF POLYMER SCIENCE, vol.58, no.8, pp.1105-1114, 2020 (SCI-Expanded)
- XXX. **Nonhydrolytic sol-gel synthesized oligosiloxane resin reinforced thiol-ene photocured coatings for the immobilization of acetylcholinesterase**
Çakmakçı E., Demir S.

- JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.91, no.1, pp.72-81, 2019 (SCI-Expanded)
- XXXI. **Isosorbide Diallyl Based Antibacterial Thiol-Ene Photocured Coatings Containing Polymerizable Fluorous Quaternary Phosphonium Salt**
Çakmakçı E., Sen F., Kahraman M. V.
ACS SUSTAINABLE CHEMISTRY & ENGINEERING, vol.7, pp.10605-10615, 2019 (SCI-Expanded)
- XXXII. **Allylimidazole containing OSTE based photocured materials for selective and efficient removal of gold from aqueous media**
AYDIN URUCU O., Aracier E. D., ÇAKMAKÇI E.
MICROCHEMICAL JOURNAL, vol.146, pp.997-1003, 2019 (SCI-Expanded)
- XXXIII. **HDI trimer based fluorine containing urethane methacrylates for hydrophobic photocured coatings**
ÇAKMAKÇI E.
POLYMER-PLASTICS TECHNOLOGY AND MATERIALS, vol.58, no.8, pp.854-865, 2019 (SCI-Expanded)
- XXXIV. **Amine functional magnetic nanoparticles via waterborne thiol-ene suspension photopolymerization for antibody immobilization**
Muhsir P., ÇAKMAKÇI E., DEMİR S., OGAN A.
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.170, pp.122-128, 2018 (SCI-Expanded)
- XXXV. **Surface and proton conductivity properties of electrospun poly(vinyl butyral)/polyaniline nanofibers**
Basturk E., ÇAKMAKÇI E., MADAKBAŞ S., KAHRAMAN M. V.
ADVANCES IN POLYMER TECHNOLOGY, vol.37, no.6, pp.1774-1781, 2018 (SCI-Expanded)
- XXXVI. **Surface properties of sol-gel-based fluorine-containing ceramic coatings**
Ugur M. H., ÇAKMAKÇI E., Gungor A., KAYAMAN APOHAN N.
JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.87, no.1, pp.113-124, 2018 (SCI-Expanded)
- XXXVII. **Preparation, characterization, and in vitro evaluation of isoniazid and rifampicin-loaded archaeosomes**
Attar A., Bakir C., Yuce-Dursun B., Demir S., Çakmakçı E., Daniş Ö., Birbir M., Ogan A.
CHEMICAL BIOLOGY & DRUG DESIGN, vol.91, no.1, pp.153-161, 2018 (SCI-Expanded)
- XXXVIII. **DOPO tethered Diels Alder clickable reactive silica nanoparticles for bismaleimide containing flame retardant thiol-ene nanocomposite coatings**
OKTAY B., ÇAKMAKÇI E.
POLYMER, vol.131, pp.132-142, 2017 (SCI-Expanded)
- XXXIX. **Allylamino diphenylphosphine oxide and POSS containing flame retardant photocured hybrid coatings**
ÇAKMAKÇI E.
PROGRESS IN ORGANIC COATINGS, vol.105, pp.37-47, 2017 (SCI-Expanded)
- XL. **Physical and Covalent Immobilization of Lipase onto Amine Groups Bearing Thiol-Ene Photocured Coatings**
ÇAKMAKÇI E., Muhsir P., DEMİR S.
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY, vol.181, no.3, pp.1030-1047, 2017 (SCI-Expanded)
- XLI. **Maleic anhydride functionalization of OSTE based coatings via thiol-ene "Click" reaction for the covalent immobilization of xylanase**
ÇAKMAKÇI E., Yuce-Dursun B., DEMİR S.
REACTIVE & FUNCTIONAL POLYMERS, vol.111, pp.38-43, 2017 (SCI-Expanded)
- XLII. **Thermally Stable Phosphonium Organoclay-Reinforced Polyimide Nanocomposites**
BİRTANE H., Beyler-Cigil A., ÇAKMAKÇI E., KAHRAMAN M. V.
POLYMER-PLASTICS TECHNOLOGY AND ENGINEERING, vol.56, no.4, pp.443-452, 2017 (SCI-Expanded)
- XLIII. **Thermal Properties of Phosphorylated Nanodiamond Reinforced Polyimides**
Beyler-Cigil A., ÇAKMAKÇI E., KAHRAMAN M. V.
POLYMER COMPOSITES, vol.37, no.8, pp.2285-2292, 2016 (SCI-Expanded)
- XLIV. **Fluorine and phosphine oxide containing homo and copolyimides**
ÇAKMAKÇI E., Gungor A., Goren A. C.

- JOURNAL OF FLUORINE CHEMISTRY, vol.186, pp.66-78, 2016 (SCI-Expanded)
- XLV. **Thioether functional chain extender for thermoplastic polyurethanes**
Altintas Z., ÇAKMAKÇI E., KAHRAMAN M. V., KAYAMAN APOHAN N.
CHINESE JOURNAL OF POLYMER SCIENCE, vol.33, no.6, pp.850-856, 2015 (SCI-Expanded)
- XLVI. **Allyl Phosphonium Salt-Modified Clay for Photocured Coatings: Influence on the Properties of Polyester Acrylate-Based Coatings**
Zeytuncu B., ÇAKMAKÇI E., KAHRAMAN M. V.
POLYMER COMPOSITES, vol.36, no.5, pp.946-954, 2015 (SCI-Expanded)
- XLVII. **UV-Cured polypropylene mesh-reinforced composite polymer electrolyte membranes**
ÇAKMAKÇI E., Ugur M. H., Gungor A.
E-POLYMERS, vol.15, no.2, pp.103-110, 2015 (SCI-Expanded)
- XLVIII. **Preparation of poly(3-hydroxybutyrate-co-hydroxyvalerate) films from halophilic archaea and their potential use in drug delivery**
DANIŞ Ö., OGAN A., Tatlican P., ATTAR A., ÇAKMAKÇI E., MERTOĞLU B., BİRBİR M.
EXTREMOPHILES, vol.19, no.2, pp.515-524, 2015 (SCI-Expanded)
- XLIX. **Salt-leached microporous membranes for lithium batteries**
Zeytuni E., Ugur M. H., ÇAKMAKÇI E., Gungor A.
IONICS, vol.21, no.1, pp.79-87, 2015 (SCI-Expanded)
- L. **Preparation and Characterization of Thermally Conductive Thermoplastic Polyurethane/h-BN Nanocomposites**
ÇAKMAKÇI E., Kocyigit C., Cakir S., Durmus A., KAHRAMAN M. V.
POLYMER COMPOSITES, vol.35, no.3, pp.530-538, 2014 (SCI-Expanded)
- LI. **Immobilization of alpha- amylase on aminated polyimide membrane: Preparation, characterization, and properties**
ÇAKMAKÇI E., Cigil A. B., DANIŞ Ö., DEMİR S., KAHRAMAN M. V.
STARCH-STARKE, vol.66, pp.274-280, 2014 (SCI-Expanded)
- LII. **HPLC-DAD analysis of Thymus serpyllum based natural pigments and investigation of their antimicrobial properties**
ÇAKMAKÇI E., Deveoglu O., Muhammed A., Fouad A., Torgan E., Karadag R.
PIGMENT & RESIN TECHNOLOGY, vol.43, no.1, pp.19-25, 2014 (SCI-Expanded)
- LIII. **Preparation and Characterization of Polyaniline/Hexagonal Boron Nitride Composites**
ÇAKMAKÇI E., MADAKBAŞ S.
HIGH TEMPERATURE MATERIALS AND PROCESSES, vol.32, no.6, pp.557-561, 2013 (SCI-Expanded)
- LIV. **Preparation, characterisation, and dielectric properties of polypyrrole-clay composites**
MADAKBAŞ S., ÇAKMAKÇI E., KAHRAMAN M. V., ESMER K.
CHEMICAL PAPERS, vol.67, no.8, pp.1048-1053, 2013 (SCI-Expanded)
- LV. **Fabrication of PLGA Based Tissue Engineering Scaffolds via Photocuring and Salt Leaching Techniques**
Cicek C., ÇAKMAKÇI E., KAYAMAN APOHAN N., Arslan M., Kuruca S. E.
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, vol.62, no.14, pp.719-725, 2013 (SCI-Expanded)
- LVI. **Preparation and characterization of flame retardant and proton conducting boron phosphate/polyimide composites**
ÇAKMAKÇI E., Gungor A.
POLYMER DEGRADATION AND STABILITY, vol.98, no.5, pp.927-933, 2013 (SCI-Expanded)
- LVII. **UV-curable fluorine-containing hybrid coatings via thiol-ene "click" reaction and an in situ sol-gel method**
ÇAKMAKÇI E., Mulazim Y., KAHRAMAN M. V.
POLYMER BULLETIN, vol.70, no.3, pp.1037-1048, 2013 (SCI-Expanded)
- LVIII. **Photo-curable highly water-repellent nanocomposite coatings**
Mulazim Y., ÇAKMAKÇI E., KAHRAMAN M. V.

- JOURNAL OF VINYL & ADDITIVE TECHNOLOGY, vol.19, no.1, pp.31-38, 2013 (SCI-Expanded)
- LIX. **Properties of Thiol-ene Photocurable Highly Hydrophobic and Oleophobic Nanocomposite Coatings on ABS and HIPS Substrates**
Mulazim Y., ÇAKMAKÇI E., KAHRAMAN M. V.
ADVANCES IN POLYMER TECHNOLOGY, vol.32, 2013 (SCI-Expanded)
- LX. **Alpha-Amylase Immobilization on Epoxy Containing Thiol-Ene Photocurable Materials**
Çakmakçı E., Daniş Ö., Demir S., Mulazim Y., Kahraman M. V.
JOURNAL OF MICROBIOLOGY AND BIOTECHNOLOGY, vol.23, no.2, pp.205-210, 2013 (SCI-Expanded)
- LXI. **Preparation and thermal properties of polyacrylonitrile/hexagonal boron nitride composites**
MADAKBAŞ S., ÇAKMAKÇI E., KAHRAMAN M. V.
THERMOCHIMICA ACTA, vol.552, pp.1-4, 2013 (SCI-Expanded)
- LXII. **Identification by RP-HPLC-DAD, FTIR, TGA and FESEM-EDAX of natural pigments prepared from Datisca cannabina L**
Deveoglu O., ÇAKMAKÇI E., Taskopru T., Torgan E., Karadag R.
DYES AND PIGMENTS, vol.94, no.3, pp.437-442, 2012 (SCI-Expanded)
- LXIII. **Preparation and characterization of boron containing thiol-ene photocured hybrid coatings**
ÇAKMAKÇI E., Mulazim Y., KAHRAMAN M. V., KAYAMAN APOHAN N.
PROGRESS IN ORGANIC COATINGS, vol.75, pp.28-32, 2012 (SCI-Expanded)
- LXIV. **Preparation and drug release properties of lignin-starch biodegradable films**
Calgeris I., ÇAKMAKÇI E., OGAN A., KAHRAMAN M. V., KAYAMAN APOHAN N.
STARCH-STARKE, vol.64, no.5, pp.399-407, 2012 (SCI-Expanded)
- LXV. **Cell Growth on In Situ Photo-Cross-Linked Electrospun Acrylated Cellulose Acetate Butyrate**
ÇAKMAKÇI E., Gungor A., KAYAMAN APOHAN N., Kuruca S. E., Cetin M. B., Dar K. A.
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.23, no.7, pp.887-899, 2012 (SCI-Expanded)
- LXVI. **Preparation of photo curable highly hydrophobic coatings using a modified castor oil derivative as a sol-gel component**
Mulazim Y., ÇAKMAKÇI E., KAHRAMAN M. V.
PROGRESS IN ORGANIC COATINGS, vol.72, no.3, pp.394-401, 2011 (SCI-Expanded)
- LXVII. **Flame retardant thiol-ene photocured coatings**
ÇAKMAKÇI E., Mulazim Y., KAHRAMAN M. V., Apohan N.
REACTIVE & FUNCTIONAL POLYMERS, vol.71, no.1, pp.36-41, 2011 (SCI-Expanded)

Articles Published in Other Journals

- I. **Asetilkolinesterazın Pirol İçeren Fotokürlenmiş Termosetlere İmmobilizasyonu**
ALI K. K., DEMİR S., ÇAKMAKÇI E., OGAN A.
SDU Journal of Natural and Applied Sciences, vol.27, pp.95-102, 2023 (Peer-Reviewed Journal)
- II. **Boron/phosphorus-containing flame-retardant photocurable coatings**
ÇAKMAKÇI E., KAHRAMAN M. V.
RSC Smart Materials, no.13, pp.150-187, 2015 (Scopus)
- III. **Poliüretan Kimyası Son Gelişmeler**
ÇAKMAKÇI E., KAHRAMAN M. V.
Putech magazine, 2013 (Non Peer-Reviewed Journal)
- IV. **Photocurable highly water repellent coatings on Boro oat glass substrates**
KAHRAMAN M. V., MÜLAZİM Y., ÇAKMAKÇI E.
Society of Plastics Engineers, 2012 (Non Peer-Reviewed Journal)
- V. **Kasyonik Fotopolimerizasyon ile Hazırlanan Epoksi Silika Nanokompozit Kaplamalar**
ÇAKMAKÇI E., KAYAMAN APOHAN N.
Boyatürk, 2010 (Non Peer-Reviewed Journal)

Books & Book Chapters

I. Chapter 9 : Boron/Phosphorus containing flame retarding photocurable coatings

ÇAKMAKÇI E., KAHRAMAN M. V.

in: Photocured Materials RSC Royal Society of Chemistry Publishing Chapter 9 Boron Phosphorus Containing Flame Retardant Photocurable Coatings, A. Tiwari, A. Polykarpov, Editor, Royal society of Chemistry , Cambridge-UK, Cambridge, pp.150-187, 2015

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- I. **Dimer Diamin ve Hint Yağı Esaslı Bio-Bazlı Poliüretan Köpük ve Hint Yağı Esaslı Alev Geciktirici Hazırlanması**
Nasuhoglu B., ÇAKMAKÇI E., KAHRAMAN M. V.
34. Ulusal Kimya Kongresi, Yalova, Turkey, 1 - 06 September 2022
- II. **THIOL-ENE PHOTOCURED ADSORBENTS FOR Au(III) ADSORPTION**
Aracier E. D., AYDIN URUCU O., ÇAKMAKÇI E.
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- III. **AMPS-ACMO BASED HYDROGELS FOR METAL RECOVERY FROM AQUEOUS MEDIA**
ÇAĞLAYAN T., AYDIN URUCU O., ÇAKMAKÇI E.
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- IV. **REMOVAL OF PIGMENT FROM PRINTING INDUSTRY WASTE WATER USING ADSORPTION BY GELATIN-VINYL PHOSPHONIC ACID (VPA) BASED HYDROGELS**
Esra Duygu A., AYDIN URUCU O., ÇAKMAKÇI E.
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- V. **Mırmır Balığından (Lithognathus mormyrus) Kolajen Ekstraksiyonu, Karakterizasyonu ve İlaç Salınım Özelliklerinin İncelenmesi**
Danış Ö., Demir S., Wafula M. W., Yüce Dursun B., Çakmakçı E.
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- VI. **Diels-Alder Kiklenebilen Fosfor Modifiye Silika Nanopartülleri İçeren Alev Geciktirici Tiyol-En Fotokürlenmiş Kaplamalar**
ÇAKMAKÇI E., OKTAY B.
31 Ulusal Kimya Kongresi, Turkey, 10 - 13 September 2019
- VII. **Asetikolin esterazın UV ışınları ile sertleşen glisidil fonksiyonel polimer yüzeyine immobilizasyonu**
DEMİR S., Aygan A., ÇAKMAKÇI E.
30. Ulusal Kimya Kongresi, Turkey, 5 - 08 November 2018
- VIII. **Tefln® Alternatif Sol-Jel Esaslı Kaplamaların Hazırlanması ve Yüzey Özelliklerinin Belirlenmesi**
Uğur M. H., KAYAMAN APOHAN N., ÇAKMAKÇI E., GÜNGÖR A.
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- IX. **Stokiyometri dışı tiol-ene polimerizasyonu ile self-assembly yönteminin buluşması**
Tınaz H., Eser B., ÇAKMAKÇI E.
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- X. **Asetikolin esterazın İletken Tiyol-Ene Kürlenebilen Filmler Üzerine Immobilizasyonu Ve Asetikolin-Esteraz Biyosensörünün Geliştirilmesi**
Akgül B., ÇAKMAKÇI E., ORMAN E. B., OGAN A.
31. Ulusal Kimya Kongresi, Turkey, 10 - 13 September 2019
- XI. **Gıda atıklarından kollajen ekstraksiyonu ve kitosan, polihidroksialkanoat kompozitlerinin hazırlanması**
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- XII. **Production of PHB from waste materials using Bacillus megaterium and development of electrospun**

composite nanomats

Daniş Ö., Eser S., Çakmakçı E., Attar A.

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- XIII. **Asetilkolinesterazın pirol içeren tiyol-en kürlenebilen filmlere immobilizasyonu**
OGAN A., Khaled Ali K., ÇAKMAKÇI E.
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- XIV. **Yeni Tip Azo Boyar Madde Sentezi ve Karakterizasyonu**
Ertem M., Akbal T., Kanmaz Ş., ÖZER M., ÇAKMAKÇI E.
30. ULUSAL KİMYA KONGRESİ, Turkey, 5 - 08 November 2018
- XV. **Yeni Tip Ir (III) Komplekslerinin Sentezi Ve Karakterizasyonu**
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- XVI. **Swelling Behaviour of Thiol-Acrylate Based Hydrogels**
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- XVII. **Immobilization of lipase enzyme onto crosslinked hydrogel containing polyvinyl alcohol, gelatin and carboxymethylcellulose**
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- XVIII. **HDI Trimer Based Fluorine Containing Low Surface Energy Photocured Coatings**
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- XIX. **POSS Containing Thiol-Ene/Acrylate Based Photocured Coatings**
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- XX. **Electrospinning of poly(vinyl butyral)/polyaniline blend**
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- XXI. **Surface and proton conductivity properties of electrospun poly(vinyl butyral)/polyaniline nanofibers**
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- XXII. **Dielectric Properties of PANI/h-BN Composites**
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- XXIII. **Immobilization of pectinase via click reaction on amberlite XAD-4 resins**
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- XXV. **Antibody immobilization onto amine functional magnetic nanoparticles**
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- XXVII. **UV Curable Urethane Acrylate Phosphorylated Nano Diamond Nanocomposites**
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- XXX. **Phosphonium modified clay/polyimide nanocomposites**
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- XXXI. **Proton Conducting Polyimide Composites**
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- XXXII. **Synthesis of functionalized polyimide oligomers and their sol gel coatings**
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- XXXIII. **Magnetic Nanoparticle Included Biodegradable Smart Hydrogels**
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- XXXV. **Electrochemical Characterization of PVDF HFP Microporous GelPolymer Electrolytes for Secondary Batteries**
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- XXXVI. **Poly (alpha-Hydroxy Ester-Urethane) Based Electrospun Biomaterials for Tissue Engineering**
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- XXXVIII. **Flame Retardant Polyacrylonitrile Hexagonal Boron Nitrite Composites**
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- XLI. **Poliakrilonitril PAN Kil Kompozitlerin Yapısal ve Fiziksel Özelliklerinin İncelenmesi**
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- XLIII. Polipirol kil kompozitlerin Sentezi ve karakterizasyonu**
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- XLIV. Preparation and characterization of IPTES functionalized PVB nanofibers**
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- XLVI. Proton and Ionic conducting non woven aramid fabric**
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- L. Photo curable castor oil based highly hydrophobic coatings**
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- LI. In vitro Culture of Endothelial and Fibroblast Cells on Photocrosslinked Electrospun Acrylated Cellulose Acetate Butyrate**
ÇAKMAKÇI E., KAYAMAN APOHAN N., KURUCA D. S., ÇETİN M. B., KARADENİZLİ S., DAR K. A.
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Supported Projects

- Kahraman M. V., Çakmakçı E., Project Supported by Higher Education Institutions, İsosorbid Esaslı Işık İle Kuruyabilen Kaplamaların Geliştirilmesi, 2017 - 2019
- Ogan A., Ali K., Çakmakçı E., Project Supported by Higher Education Institutions, Asetilkolinesterazın farklı polimerik yüzeylere immobilizasyonu, 2017 - 2018
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Metrics

Publication: 125

Citation (WoS): 807

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31. Ulusal Kimya Kongresi, Moderator, İstanbul, Turkey, 2019

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Awards

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Çakmakçı E., 2016 Yılı Akademik Teşvik Değerlendirme Ödülü-Fen Bölümleri Atf , Marmara Üniversitesi, May 2017

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