

Prof. CEVDET KAYNAK

Personal Information

Office Phone: [+90 312 210 5920](tel:+903122105920)

Email: ckaynak@metu.edu.tr

Web: <http://users.metu.edu.tr/ckaynak>

International Researcher IDs

ScholarID: SqPLV0kAAAAJ

ORCID: 0000-0001-8927-7951

Publons / Web Of Science ResearcherID: A-1752-2016

ScopusID: 6603785192

Yoksis Researcher ID: 7923

Education Information

Doctorate, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, Turkey 1988 - 1994

Postgraduate, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, Turkey 1985 - 1988

Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, Turkey 1980 - 1985

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Behaviour of short fatigue cracks in a steel with elongated inclusions, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, 1994

Postgraduate, Growth of short fatigue cracks in 2024-T3 aluminum alloy, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, 1988

Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Composites, Polymeric Materials, Nanomaterials, Cellulosic Materials, Engineering and Technology

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, 2006 - Continues

Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials

Engineering, 2000 - 2006

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, 1997 - 2000

Expert, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, 1994 - 1997

Research Assistant, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, 1985 - 1994

Academic and Administrative Experience

Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, 2014 - Continues

Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, 2004 - Continues

Middle East Technical University, Graduate School of Natural and Applied Sciences, Polimer Bilimi Ve Teknolojisi (YL) (Tezli), 2008 - 2010

Middle East Technical University, Faculty of Engineering, 1997 - 2000

Courses

POLYMER MATERIALS, Undergraduate, 2022 - 2023

MATERIALS ENGINEERING DESIGN I, Undergraduate, 2018 - 2019

MATERIALS PROCESSING LABORATORY, Undergraduate, 2018 - 2019

POLYMER NANOCOMPOSITES, Postgraduate, 2018 - 2019

FUNDAMENTALS OF MATERIALS SCIENCE AND ENGINEERING, Undergraduate, 2018 - 2019

COMPOSITE MATERIALS, Undergraduate, 2017 - 2018

Advising Theses

Kaynak C., Behaviour of HTPB-polyurethane elastomer material reinforced with micro and nano particles, Postgraduate, E.ERTEN(Student), 2022

Kaynak C., Usability of polylactide biopolymer as thermoplastic matrix for woven fiber composite laminates, Postgraduate, G.DEMİROK(Student), 2022

Kaynak C., Use of carbon/epoxy towpregs during dry filament winding of composite flat specimens and pressure vessels, Postgraduate, Y.KEMAL(Student), 2022

Hacaloğlu J., Kaynak C., Effects of boron compounds on thermal degradation behaviour of polymers involving ester linkages, Doctorate, N.NEHİR(Student), 2021

Kaynak C., Studies on polylactide nanocomposites with polyhedral oligomeric silsesquioxane, Doctorate, Y.MEYVA(Student), 2020

Kaynak C., Vibration damping behavior of epoxy matrix composites reinforced with carbon fibers and carbon nanotubes, Postgraduate, E.AVİL(Student), 2019

ÜNALAN H. E., KAYNAK C., Antimicrobial properties of 3d printed silver nanowire/polylactide nanocomposites, Postgraduate, İ.BAYRAKTAR(Student), 2018

KAYNAK C., Effects of titania particles on the behaviors of polylactide based composites, Postgraduate, U.CAN(Student), 2018

KAYNAK C., Effects of titania particles on the behaviours of polylactide based composites, Postgraduate, U.Can(Student), 2018

KAYNAK C., Effects of glass fiber content, 3D-printing and weathering on the performance of polylactide, Postgraduate,

S.DENİZ(Student), 2017

KAYNAK C., Synthesis and characterization of conjugated polymers with polyhedral oligomeric silsesquioxane pendant groups, Doctorate, S.ERTAN(Student), 2017

ÜNALAN H. E., KAYNAK C., Production and characterization of polylactide/silver nanowire nanocomposite films, Postgraduate, D.DOĞANAY(Student), 2016

KAYNAK C., Properties of polylactide / montmorillonite nanocomposites: Before and after weathering, Postgraduate, B.SARI(Student), 2015

KAYNAK C., Behaviors of polylactide biocomposites reinforced with microcrystalline cellulose, Postgraduate, B.DOĞU(Student), 2015

KAYNAK C., Contribution of boron compounds and nanoclays on the flame retardancy of aluminium diethylphosphinate in neat and fiber reinforced polyamide-6, Doctorate, O.POLAT(Student), 2014

KAYNAK C., Effects of halloysite nanotubes on the mechanical, crystallization, and weathering behaviour of polylactide, Postgraduate, İ.KAYGUSUZ(Student), 2014

KAYNAK C., Toughening of polylactide by blending with various elastomeric materials, Postgraduate, Y.MEYVA(Student), 2014

KAYNAK C., PRODUCTION OF SPECTRAL FLARE COMPOSITES AND INVESTIGATION OF POLYMERIC BINDER EFFECT ON RADIOMETRIC PROPERTIES, Doctorate, S.YAYLA(Student), 2013

KAYNAK C., Use of boron compounds as synergistic flame retardant in low density polyethylene – ethylene vinyl acetate blends and nanocomposites, Postgraduate, E.İBİBKAN(Student), 2013

KAYNAK C., HACALOĞLU J., Effects of nanoparticles on thermal characteristics of polyamide-6, polylactic acid and polystyrene involving various flame retardants, Doctorate, H.KAYA(Student), 2013

KAYNAK C., AKATA KURÇ B., Effects of oxidative functionalized and aminosilanized carbon nanotubes on the behaviours of polyamide-6 nanocomposites, Postgraduate, S.ŞANKAL(Student), 2013

KAYNAK C., Effects of nanoadditives and different conventional flame retardants on the flammability of polystyrene, Postgraduate, B.Melike(Student), 2012

KAYNAK C., Effects of nanoadditives and different conventional flame retardants on the flammability of polystyrene, Postgraduate, B.MELİKE(Student), 2012

KAYNAK C., Flame retardancy of polymer nanocomposites, Doctorate, N.ALİ(Student), 2012

KAYNAK C., Flame retardancy effects of zinc borate and nanoclay in ABS, and boron compounds in PET, Postgraduate, A.ÇAĞIL(Student), 2011

KAYNAK C., A study on the effects of gamma radiation on the properties of polycarbonate, Postgraduate, K.GÖKHAN(Student), 2011

KAYNAK C., Flame retardancy of polyamide compounds and micro/nano composites, Postgraduate, H.ÖZGÜR(Student), 2009

KAYNAK C., TİNCER İ. T., Photo-oxidative degradation of ABS copolymer, Postgraduate, A.GÜZEL(Student), 2009

Kaynak C., Surface Modification of Resadiye Layered Silicates to be Used in Polymer Nanocomposites, Postgraduate, G.İPEK(Student), 2006

KAYNAK C., Effects of mold temperature and vacuum in resin transfer molding, Postgraduate, E.AKGÜL(Student), 2006

KAYNAK C., Production and characterization of resol type phenolic resin/layered silicate nanocomposites, Postgraduate, C.CEM(Student), 2005

KAYNAK C., Rubber toughening of phenolic resin by using nitrile rubber and amino silane, Postgraduate, O.ÇAĞATAY(Student), 2005

KAYNAK C., Experimental investigation for mechanical properties of filament wound composite tubes, Postgraduate, E.SALİH(Student), 2004

KAYNAK C., Effects of injection pressure and post-curing on the behavior of woven carbon fiber/epoxy composites produced by rtm (resin transfer molding), Postgraduate, Y.Onur(Student), 2002

KAYNAK C., TİNCER İ. T., A Study on the flexibility of short carbon fiber reinforced epoxy composites, Postgraduate, Ö.ORGUN(Student), 2002

KAYNAK C., Effects of injection pressure and post-curing on the behaviour of woven carbon fiber/ epoxy composites produced by RTM (resin transfer molding), Postgraduate, Y.ONUR(Student), 2002

KAYNAK C., Studies to increase the toughness of epoxy matrices, Postgraduate, C.ÇELİKBİLEK(Student), 2001

KAYNAK C., Flexibility improvement of short glass fiber reinforced epoxy, Postgraduate, A.Arıkan(Student), 2001
KAYNAK C., TİNCER İ. T., Flexibility improvement of short glass fiber reinforced epoxy, Postgraduate, A.ARIKAN(Student), 2001
KAYNAK C., KALKANLI A., Fatigue behavior of aluminum matrix SiC particulate reinforced composites, Postgraduate, K.SÜHA(Student), 2001
KAYNAK C., TİNCER İ. T., Flexibility improvement of epoxy resin used in fiber reinforced composites, Postgraduate, A.ÖZTÜRK(Student), 2000
KAYNAK C., Flexibility improvement of epoxy resin used in fiber reinforced composites, Postgraduate, A.Öztürk(Student), 2000
Akovalı G., Kaynak C., Studies on Epoxy Modified with Recycled Rubber, Postgraduate, E.SİPAHİ(Student), 1999
KAYNAK C., Fatigue behaviour of filament wound composite tubes under axial loading, Postgraduate, O.MAT(Student), 1999
KAYNAK C., Fatigue behaviour of filament wound composite tubes under axial loading, Postgraduate, O.Mat(Student), 1999

Jury Memberships

Award, ODTÜ Prof. Dr. Mustafa N. Parlar Eğitim ve Araştırma Vakfı, Orta Doğu Teknik Üniversitesi, October, 2018
Associate Professor Exam, Associate Professor Exam, Orta Doğu Teknik Üniversitesi, June, 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Improving film adhesive joining performance of poly(phenylene sulfide)/carbon fiber thermoplastic composite laminates by plasma surface treatment**
Uşak A. C., KAYNAK C.
Journal of Thermoplastic Composite Materials, vol.37, no.5, pp.1690-1729, 2024 (SCI-Expanded)
- II. **Influences of laser and plasma surface treatments on the primer paint adhesion for PPS/CF thermoplastic composite laminates**
Atlioglu M., KAYNAK C.
Journal of Thermoplastic Composite Materials, vol.37, no.3, pp.953-982, 2024 (SCI-Expanded)
- III. **Effects of micro and nano fillers on the mechanical and thermal properties of hydroxyl-terminated polybutadiene-polyurethane based rocket motor liner**
Erten E., Atalar T., KAYNAK C.
Propellants, Explosives, Pyrotechnics, vol.49, no.1, 2024 (SCI-Expanded)
- IV. **Parameters influencing electrospun nanofiber diameter of polylactide incorporated with cellulose nanofibrils and nanocrystals**
SARI B., KAYNAK C.
Journal of Thermoplastic Composite Materials, 2024 (SCI-Expanded)
- V. **Obtaining cellulose nanocrystals by acid hydrolysis procedure; and their use as reinforcement in polylactide biocomposites**
Sarı B., KAYNAK C.
Journal of Thermoplastic Composite Materials, 2024 (SCI-Expanded)
- VI. **Contribution of cellulose nanofibrils on the strengthening and toughening of neat and blended polylactide specimens; and the differences after 3D-printing**
SARI B., KAYNAK C.
Journal of Thermoplastic Composite Materials, 2024 (SCI-Expanded)
- VII. **Effects of interlayer forms on the resistance welding performance of PAEK/CF thermoplastic composite laminates**
Marti I. B., Kaynak C.

- JOURNAL OF THERMOPLASTIC COMPOSITE MATERIALS, vol.36, no.12, pp.4945-4976, 2023 (SCI-Expanded)
- VIII. **Performance of polylactide biopolymer as matrix material for woven fiber composite laminates**
Demirok G., Kaynak C.
Journal of Thermoplastic Composite Materials, vol.36, no.7, pp.2936-2964, 2023 (SCI-Expanded)
- IX. **Mechanical performance of composite flat specimens and pressure vessels produced by carbon/epoxy towpreg dry winding**
Okten Y. K., KAYNAK C.
JOURNAL OF REINFORCED PLASTICS AND COMPOSITES, vol.42, no.11-12, pp.558-576, 2023 (SCI-Expanded)
- X. **Behaviour of PLA/POSS nanocomposites: Effects of filler content, functional group and copolymer compatibilization**
MEYVA ZEYBEK Y., KAYNAK C.
POLYMERS & POLYMER COMPOSITES, vol.29, no.9_SUPPL, 2021 (SCI-Expanded)
- XI. **A comparative study for the behavior of 3D-printed and compression molded PLA/POSS nanocomposites**
MEYVA ZEYBEK Y., KAYNAK C.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.138, no.16, 2021 (SCI-Expanded)
- XII. **Electrospinning of PLA and PLA/POSS nanofibers: Use of Taguchi optimization for process parameters**
MEYVA ZEYBEK Y., KAYNAK C.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.138, no.3, 2021 (SCI-Expanded)
- XIII. **Performance of polylactide against UV irradiation: Synergism of an organic UV absorber with micron and nano-sized TiO₂**
CAN U., KAYNAK C.
JOURNAL OF COMPOSITE MATERIALS, vol.54, no.18, pp.2489-2504, 2020 (SCI-Expanded)
- XIV. **Contribution of carbon nanotubes to vibration damping behavior of epoxy and its carbon fiber composites**
Avil E., Kadioglu F., KAYNAK C.
JOURNAL OF REINFORCED PLASTICS AND COMPOSITES, vol.39, pp.311-323, 2020 (SCI-Expanded)
- XV. **Effects of micro-nano titania contents and maleic anhydride compatibilization on the mechanical performance of polylactide**
CAN U., KAYNAK C.
POLYMER COMPOSITES, vol.41, no.2, pp.600-613, 2020 (SCI-Expanded)
- XVI. **3D printed antibacterial silver nanowire/polylactide nanocomposites**
Bayraktar I., DOĞANAY D., Coskun S., KAYNAK C., Akca G., ÜNALAN H. E.
Composites Part B: Engineering, vol.172, pp.671-678, 2019 (SCI-Expanded)
- XVII. **Performance comparison of the 3D-printed and injection-molded PLA and its elastomer blend and fiber composites**
KAYNAK C., Varsavas S. D.
JOURNAL OF THERMOPLASTIC COMPOSITE MATERIALS, vol.32, no.4, pp.501-520, 2019 (SCI-Expanded)
- XVIII. **Loss of thermoplastic elastomer toughening in polylactide after weathering**
Meyva-Zeybek Y., Kaynak C.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.136, 2019 (SCI-Expanded)
- XIX. **Effects of Zinc Borate on the Flame Retardancy Performance of Aluminum Diethylphosphinate in Polyamide-6 and its Composites**
Polat Ö., Kaynak C.
INTERNATIONAL POLYMER PROCESSING, vol.34, pp.59-71, 2019 (SCI-Expanded)
- XX. **Weathering degradation performance of PLA and its glass fiber reinforced composite**
Varsavas S. D., Kaynak C.
MATERIALS TODAY COMMUNICATIONS, vol.15, pp.344-353, 2018 (SCI-Expanded)
- XXI. **A Platform to Synthesize a Soluble Poly(3,4-Ethylenedioxythiophene) Analogue**
Ertan S., KAYNAK C., Cihaner A.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.55, no.23, pp.3935-3941, 2017 (SCI-

Expanded)

- XXII. **Use of boron oxide and boric acid to improve flame retardancy of an organophosphorus compound in neat and fiber reinforced polyamide-6**
POLAT O., KAYNAK C.
JOURNAL OF VINYL & ADDITIVE TECHNOLOGY, vol.22, no.3, pp.300-310, 2016 (SCI-Expanded)
- XXIII. **Electrical, mechanical and thermal properties of aligned silver nanowire/poly lactide nanocomposite films**
DOĞANAY D., Coskun S., KAYNAK C., ÜNALAN H. E.
COMPOSITES PART B-ENGINEERING, vol.99, pp.288-296, 2016 (SCI-Expanded)
- XXIV. **Effects of Accelerated Weathering in Poly lactide Biocomposites Reinforced with Microcrystalline Cellulose**
KAYNAK C., Dogu B.
INTERNATIONAL POLYMER PROCESSING, vol.31, no.4, pp.410-422, 2016 (SCI-Expanded)
- XXV. **Thermal degradation of polystyrene composites. Part II. The effect of nanoclay**
KAYA H., KAYNAK C., HACALOĞLU J.
JOURNAL OF ANALYTICAL AND APPLIED PYROLYSIS, vol.120, pp.194-199, 2016 (SCI-Expanded)
- XXVI. **Mechanical and thermal properties of poly lactide/talc microcomposites: before and after accelerated weathering**
KAYNAK C., ERDOĞAN A. R.
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.27, no.6, pp.812-822, 2016 (SCI-Expanded)
- XXVII. **Effects of nanoparticles on thermal degradation of poly lactide/aluminium diethylphosphinate composites**
Kaya H., Özdemir E., Kaynak C., Hacaloğlu J.
JOURNAL OF ANALYTICAL AND APPLIED PYROLYSIS, vol.118, pp.115-122, 2016 (SCI-Expanded)
- XXVIII. **Accelerated weathering performance of poly lactide and its montmorillonite nanocomposite**
KAYNAK C., SARI B.
APPLIED CLAY SCIENCE, vol.121, pp.86-94, 2016 (SCI-Expanded)
- XXIX. **Consequences of accelerated weathering in poly lactide nanocomposites reinforced with halloysite nanotubes**
KAYNAK C., KAYGUSUZ I.
JOURNAL OF COMPOSITE MATERIALS, vol.50, no.3, pp.365-375, 2016 (SCI-Expanded)
- XXX. **Behavior of poly lactide/microcrystalline cellulose biocomposites: effects of filler content and interfacial compatibilization**
DOĞU B., KAYNAK C.
CELLULOSE, vol.23, no.1, pp.611-622, 2016 (SCI-Expanded)
- XXXI. **Influences of three different ethylene copolymers on the toughness and other properties of poly lactide**
MEYVA Y., KAYNAK C.
PLASTICS RUBBER AND COMPOSITES, vol.45, no.5, pp.189-198, 2016 (SCI-Expanded)
- XXXII. **Toughening of Poly lactide by Bio-Based and Petroleum-Based Thermoplastic Elastomers**
Meyva Y., KAYNAK C.
INTERNATIONAL POLYMER PROCESSING, vol.30, no.5, pp.593-602, 2015 (SCI-Expanded)
- XXXIII. **Effects of oxidative functionalization and aminosilanization of carbon nanotubes on the mechanical and thermal properties of polyamide 6 nanocomposites**
KAYNAK C., ŞANKAL S.
JOURNAL OF THERMOPLASTIC COMPOSITE MATERIALS, vol.28, no.9, pp.1321-1333, 2015 (SCI-Expanded)
- XXXIV. **Influences of nanoclays on the flame retardancy of fiber-filled and unfilled polyamide-6 with and without aluminum diethylphosphinate**
KAYNAK C., Polat O.
JOURNAL OF FIRE SCIENCES, vol.33, no.2, pp.87-112, 2015 (SCI-Expanded)
- XXXV. **Influences of halloysite nanotubes on crystallisation behaviour of poly lactide**

- Kaygusuz I., KAYNAK C.
PLASTICS RUBBER AND COMPOSITES, vol.44, no.2, pp.41-49, 2015 (SCI-Expanded)
- XXXVI. **Use of maleic anhydride compatibilization to improve toughness and other properties of polylactide blended with thermoplastic elastomers**
Kaynak C., Meyva Y.
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.25, no.12, pp.1622-1632, 2014 (SCI-Expanded)
- XXXVII. **Influences of aminosilanization of halloysite nanotubes on the mechanical properties of polyamide-6 nanocomposites**
Erdogan A. R., Kaygusuz I., KAYNAK C.
POLYMER COMPOSITES, vol.35, no.7, pp.1350-1361, 2014 (SCI-Expanded)
- XXXVIII. **Effects of oxidative functionalized and aminosilanized carbon nanotubes on the crystallization behaviour of polyamide-6 nanocomposites**
KAYNAK C., Sankal S.
POLYMER BULLETIN, vol.71, no.4, pp.855-873, 2014 (SCI-Expanded)
- XXXIX. **Usability of three boron compounds for enhancement of flame retardancy in polyethylene-based cable insulation materials**
İBİBİKCAN E., KAYNAK C.
JOURNAL OF FIRE SCIENCES, vol.32, no.2, pp.99-120, 2014 (SCI-Expanded)
- XL. **Contribution of nanoclays to the flame retardancy of polyethylene-based cable insulation materials with aluminum hydroxide and zinc borate**
KAYNAK C., İbibikcan E.
JOURNAL OF FIRE SCIENCES, vol.32, no.2, pp.121-144, 2014 (SCI-Expanded)
- XLI. **Use of zinc borate as the third component of a traditional brominated flame retardant system in acrylonitrile butadiene styrene**
KAYNAK C., ÖZKARACA A. C.
FIRE AND MATERIALS, vol.37, no.7, pp.491-502, 2013 (SCI-Expanded)
- XLII. **Effects of nanoclays on the flammability of polystyrene with triphenyl phosphate-based flame retardants**
KAYNAK C., Sipahioğlu B. M.
JOURNAL OF FIRE SCIENCES, vol.31, no.4, pp.339-355, 2013 (SCI-Expanded)
- XLIII. **Effect of partial substitution of aluminum hydroxide with colemanite in fire retarded low-density polyethylene**
İsitman N. A., KAYNAK C.
JOURNAL OF FIRE SCIENCES, vol.31, no.1, pp.73-84, 2013 (SCI-Expanded)
- XLIV. **Using various techniques to characterize oxidative functionalized and aminosilanized carbon nanotubes for polyamide matrix**
Sankal S., KAYNAK C.
JOURNAL OF REINFORCED PLASTICS AND COMPOSITES, vol.32, no.2, pp.75-86, 2013 (SCI-Expanded)
- XLV. **The role of nanoparticle geometry in flame retardancy of polylactide nanocomposites containing aluminium phosphinate**
İsitman N. A., DOĞAN M., BAYRAMLI E., KAYNAK C.
POLYMER DEGRADATION AND STABILITY, vol.97, no.8, pp.1285-1296, 2012 (SCI-Expanded)
- XLVI. **On the use of magnesium hydroxide towards halogen-free flame-retarded polyamide-6/polypropylene blends**
Balakrishnan H., HASSAN A., İŞİTMAN N. A., KAYNAK C.
POLYMER DEGRADATION AND STABILITY, vol.97, no.8, pp.1447-1457, 2012 (SCI-Expanded)
- XLVII. **Nanomorphology and fire behavior of polystyrene/organoclay nanocomposites containing brominated epoxy and antimony oxide**
İsitman N. A., Sipahioğlu B. M., KAYNAK C.
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.23, no.6, pp.984-991, 2012 (SCI-Expanded)
- XLVIII. **Thermal degradation of organophosphorus flame-retardant poly(methyl methacrylate)**

nanocomposites containing nanoclay and carbon nanotubes

ORHAN T., Isitman N. A., HACALOĞLU J., KAYNAK C.

POLYMER DEGRADATION AND STABILITY, vol.97, no.3, pp.273-280, 2012 (SCI-Expanded)

- XLIX. **Contribution of Nanoclays to the Performance of Traditional Flame Retardants in ABS**
Ozkaraca A. C., KAYNAK C.
POLYMER COMPOSITES, vol.33, no.3, pp.420-429, 2012 (SCI-Expanded)
- L. **Interactions at fiber/matrix interface in short fiber reinforced amorphous thermoplastic composites modified with micro- and nano-fillers**
Isitman N. A., Aykol M., KAYNAK C.
JOURNAL OF MATERIALS SCIENCE, vol.47, no.2, pp.702-710, 2012 (SCI-Expanded)
- LI. **Nanostructure of montmorillonite barrier layers: A new insight into the mechanism of flammability reduction in polymer nanocomposites**
Isitman N. A., KAYNAK C.
POLYMER DEGRADATION AND STABILITY, vol.96, no.12, pp.2284-2289, 2011 (SCI-Expanded)
- LII. **Thermal degradation mechanisms of aluminium phosphinate, melamine polyphosphate and zinc borate in poly(methyl methacrylate)**
Orhan T., Isitman N. A., Hacaloğlu J., Kaynak C.
POLYMER DEGRADATION AND STABILITY, vol.96, pp.1780-1787, 2011 (SCI-Expanded)
- LIII. **Synergistic fire retardancy of colemanite, a natural hydrated calcium borate, in high-impact polystyrene containing brominated epoxy and antimony oxide**
KAYNAK C., Isitman N. A.
POLYMER DEGRADATION AND STABILITY, vol.96, no.5, pp.798-807, 2011 (SCI-Expanded)
- LIV. **Fire Retardant Properties of Intumescent Polypropylene Composites Filled With Calcium Carbonate**
Isitman N. A., Dogan M., Bayramli E., KAYNAK C.
POLYMER ENGINEERING AND SCIENCE, vol.51, no.5, pp.875-883, 2011 (SCI-Expanded)
- LV. **Use of Nanoclay as an Environmentally Friendly Flame Retardant Synergist in Polyamide-6**
KAYNAK C., Gunduz H. O., Isitman N. A.
JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, vol.10, no.11, pp.7374-7377, 2010 (SCI-Expanded)
- LVI. **Nanoclay and carbon nanotubes as potential synergists of an organophosphorus flame-retardant in poly(methyl methacrylate)**
Isitman N. A., KAYNAK C.
POLYMER DEGRADATION AND STABILITY, vol.95, no.9, pp.1523-1532, 2010 (SCI-Expanded)
- LVII. **Tailored flame retardancy via nanofiller dispersion state: Synergistic action between a conventional flame-retardant and nanoclay in high-impact polystyrene**
Isitman N. A., KAYNAK C.
POLYMER DEGRADATION AND STABILITY, vol.95, no.9, pp.1759-1768, 2010 (SCI-Expanded)
- LVIII. **Nanoclay assisted strengthening of the fiber/matrix interface in functionally filled polyamide 6 composites**
Isitman N. A., AYKOL M., KAYNAK C.
COMPOSITE STRUCTURES, vol.92, no.9, pp.2181-2186, 2010 (SCI-Expanded)
- LIX. **Interfacial Strength in Short Glass Fiber Reinforced Acrylonitrile-Butadiene-Styrene/Polyamide 6 Blends**
Isitman N. A., Aykol M., Ozkoc G., BAYRAM G., KAYNAK C.
POLYMER COMPOSITES, vol.31, no.3, pp.392-398, 2010 (SCI-Expanded)
- LX. **Halogen-free Flame Retardants that Outperform Halogenated Counterparts in Glass Fiber Reinforced Polyamides**
Isitman N. A., GÜNDÜZ H. O., KAYNAK C.
JOURNAL OF FIRE SCIENCES, vol.28, no.1, pp.87-100, 2010 (SCI-Expanded)
- LXI. **Nanoclay synergy in flame retarded/glass fibre reinforced polyamide 6**
İŞİTMAN N. A., GUNDUZ H. O., KAYNAK C.
POLYMER DEGRADATION AND STABILITY, vol.94, no.12, pp.2241-2250, 2009 (SCI-Expanded)

- LXII. **Mechanical properties, flammability and char morphology of epoxy resin/montmorillonite nanocomposites**
KAYNAK C., Nakas G. I., Isitman N. A.
APPLIED CLAY SCIENCE, vol.46, no.3, pp.319-324, 2009 (SCI-Expanded)
- LXIII. **Mechanical Performance of Resol Type Phenolic Resin/Layered Silicate Nanocomposites**
Tasan C. C., KAYNAK C.
POLYMER COMPOSITES, vol.30, no.3, pp.343-350, 2009 (SCI-Expanded)
- LXIV. **Use of Different Alkylammonium Salts in Clay Surface Modification for Epoxy-Based Nanocomposites**
Nakas G. I., KAYNAK C.
POLYMER COMPOSITES, vol.30, no.3, pp.357-363, 2009 (SCI-Expanded)
- LXV. **Interfacial Interactions and Flammability of Flame-Retarded and Short Fiber-Reinforced Polyamides**
Gunduz H. O., Isitman N. A., Aykol M., KAYNAK C.
POLYMER-PLASTICS TECHNOLOGY AND ENGINEERING, vol.48, no.10, pp.1046-1054, 2009 (SCI-Expanded)
- LXVI. **Effects of RTM mold temperature and vacuum on the mechanical properties of epoxy/glass fiber composite plates**
KAYNAK C., AKGÜL E., Isitman N. A.
JOURNAL OF COMPOSITE MATERIALS, vol.42, no.15, pp.1505-1521, 2008 (SCI-Expanded)
- LXVII. **Strength of short fiber reinforced polymers: Effect of fiber length distribution**
Aykol M., Isitman N. A., FİRLAR E., KAYNAK C.
POLYMER COMPOSITES, vol.29, no.6, pp.644-648, 2008 (SCI-Expanded)
- LXVIII. **Effects of production parameters on the structure of resol type phenolic resin/layered silicate nanocomposites**
Kaynak C., Tasan C. C.
EUROPEAN POLYMER JOURNAL, vol.42, no.8, pp.1908-1921, 2006 (SCI-Expanded)
- LXIX. **Rubber toughening of phenolic resin by using nitrile rubber and amino silane**
Kaynak C., ÇAĞATAY O.
POLYMER TESTING, vol.25, no.3, pp.296-305, 2006 (SCI-Expanded)
- LXX. **Effects of injection pressure in resin transfer moulding RTM of wovencarbon fibre epoxy composites**
KAYNAK C., Kaş Y. O.
Polymers Composites, vol.14, pp.55-64, 2006 (SCI-Expanded)
- LXXI. **Effects of SiC particulates on the fatigue behaviour of an Al-alloy matrix composite**
Kaynak C., BOYLU S.
MATERIALS & DESIGN, vol.27, no.9, pp.776-782, 2006 (SCI-Expanded)
- LXXII. **Effects of injection pressure in resin transfer moulding (RTM) of woven carbon fibre/epoxy composites**
Kaynak C., Kas Y.
POLYMERS & POLYMER COMPOSITES, vol.14, no.1, pp.55-64, 2006 (SCI-Expanded)
- LXXIII. **Use of split-disk tests for the process parameters of filament wound epoxy composite tubes**
Kaynak C., ERDİLLER E. S., PARNAS L., ŞENEL F.
POLYMER TESTING, vol.24, no.5, pp.648-655, 2005 (SCI-Expanded)
- LXXIV. **Matrix and interface modification of short carbon fiber-reinforced epoxy**
Kaynak C., ÖRGÜN Ö., Tincer T.
POLYMER TESTING, vol.24, no.4, pp.455-462, 2005 (SCI-Expanded)
- LXXV. **Ultrasonic (C-scan) and microscopic evaluation of resin transfer molded epoxy composite plates**
KAŞ Y. O., Kaynak C.
POLYMER TESTING, vol.24, no.1, pp.114-120, 2005 (SCI-Expanded)
- LXXVI. **Modification of epoxy by a liquid elastomer and solid rubber particles**
ÇELİKBİLEK C., AKOVALI G., Kaynak C.
POLYMER BULLETIN, vol.51, pp.429-435, 2004 (SCI-Expanded)
- LXXVII. **Use of silane coupling agents to improve epoxy-rubber interface**
KAYNAK C., Celikbilek C., Akovali G.

- European Polymer Journal, vol.39, no.6, pp.1125-1132, 2003 (SCI-Expanded)
- LXXVIII. **Flexibility improvement of short glass fiber reinforced epoxy by using a liquid elastomer**
KAYNAK C., ARIKAN A., Tincer T.
Polymer, vol.44, no.8, pp.2433-2439, 2003 (SCI-Expanded)
- LXXIX. **Influences of liquid elastomer additive on the behavior of short glass fiber reinforced epoxy**
Arikan A., Kaynak C., Tincer T.
POLYMER COMPOSITES, vol.23, no.5, pp.790-805, 2002 (SCI-Expanded)
- LXXX. **Flexibility improvement of epoxy resin by liquid rubber modification**
Kaynak C., ÖZTÜRK A., Tincer T.
POLYMER INTERNATIONAL, vol.51, no.9, pp.749-756, 2002 (SCI-Expanded)
- LXXXI. **Effects of Scrap Rubber Particles on the Mechanical Behaviour of Epoxy**
KAYNAK C., Sipahi Sağlam E., Akovalı G.
International Journal Of Polymeric Materials, vol.51, pp.133-150, 2002 (SCI-Expanded)
- LXXXII. **Effects of liquid rubber modification on the behaviour of epoxy resin**
ÖZTÜRK A., KAYNAK C., Tincer T.
European Polymer Journal, vol.37, no.12, pp.2353-2363, 2001 (SCI-Expanded)
- LXXXIII. **Uniaxial fatigue behavior of filament-wound glass-fiber/epoxy composite tubes**
KAYNAK C., MAT O.
Composites Science and Technology, vol.61, no.13, pp.1833-1840, 2001 (SCI-Expanded)
- LXXXIV. **Studies on epoxy modified with recycled rubber**
Sipahi-Saglam E., Kaynak C., Akovalı G., YETMEZ M., AKKAŞ N.
POLYMER ENGINEERING AND SCIENCE, vol.41, no.3, pp.514-521, 2001 (SCI-Expanded)
- LXXXV. **A fractographic study on toughening of epoxy resin using ground tyre rubber**
KAYNAK C., Sipahi-Saglam E., Akovalı G.
Polymer, vol.42, no.9, pp.4393-4399, 2001 (SCI-Expanded)
- LXXXVI. **Inclusion induced anisotropy of short fatigue crack growth in steel**
KAYNAK C., Ankara A., Baker T.
MATERIALS SCIENCE AND TECHNOLOGY, vol.12, no.7, pp.557-562, 1996 (SCI-Expanded)
- LXXXVII. **Initiation and early growth of short fatigue cracks at inclusions**
KAYNAK C., Ankara A., Baker T.
MATERIALS SCIENCE AND TECHNOLOGY, vol.12, no.5, pp.421-426, 1996 (SCI-Expanded)
- LXXXVIII. **Effects of short cracks on fatigue life calculations**
KAYNAK C., ANKARA A., Baker T.
International Journal of Fatigue, vol.18, no.1, pp.25-31, 1996 (SCI-Expanded)
- LXXXIX. **A comparison of short and long fatigue crack growth in steel**
KAYNAK C., Ankara A., Baker T.
International Journal of Fatigue, vol.18, no.1, pp.17-23, 1996 (SCI-Expanded)
- XC. **Short fatigue crack growth in AL 2024-T3 and AL 7075-T6**
KAYNAK C., Ankara A.
Engineering Fracture Mechanics, vol.43, no.5, pp.769-778, 1992 (SCI-Expanded)

Articles Published in Other Journals

- I. **Effects of glass fiber reinforcement and thermoplastic elastomer blending on the mechanical performance of polylactide**
Varsavas S. D., Kaynak C.
COMPOSITES COMMUNICATIONS, vol.8, pp.24-30, 2018 (ESCI)

Books & Book Chapters

I. Chapter 2 Constituent Materials

Akovađı G., KAYNAK C.

in: Handbook of Composite Fabrication, Guneri Akovađı, Editor, RAPRA Technology Ltd, Shawbury, pp.21-56, 2001

II. Chapter 3 Open Mould Processes

KAYNAK C., AKGÜL T.

in: Handbook of Composite Fabrication, Guneri Akovađı, Editor, RAPRA Technology Ltd., Shawbury, pp.57-85, 2001

Refereed Congress / Symposium Publications in Proceedings

I. Effect of Electrospinning Parameters on Polylactic Acid / Nanocellulose Biocomposite Fibers

Sarı B., Kaynak C.

the International Conference on Nanotechnology for Renewable Materials - TAPPI NANO - 2022, Helsinki, Finland, 13 - 18 June 2022, pp.120

II. Effects of Specimen Preparation Parameters on the Tensile Strength of Unidirectional Towpreg Composites

Ökten Y. K., Özaslan E., Kaynak C.

6th International Conference on Frontiers of Composite Materials - ICFCM 2021 , Melbourne, Australia, 20 November 2021, pp.1

III. Characterization of Cellulose Nanocrystals Produced via Acid Hydrolysis Method

Sarı B., Kaynak C.

20th International Metallurgy and Materials Congress - IMMC 2021, İstanbul, Turkey, 10 June 2021, pp.1

IV. Behavior of PLA / Microcrystalline Cellulose Biocomposites

Dođu B., Kaynak C.

8th Iran International Conference on Materials and Metallurgical Engineering - iMAT 2019 , Tehran, Iran, 7 - 09 October 2019, pp.1

V. Mechanical Properties of PLA Nanocomposites Filled with Various Polyhedral Oligomeric Silsesquioxane Structures

Meyva Zeybek Y., Kaynak C.

E-MRS (European Materials Research Society) 2018 Fall Meeting, Warszawa, Poland, 17 - 20 September 2018

VI. Importance of Nanofiller Content on the Mechanical Properties of PLA / TiO₂ Nanocomposites

Can U., Kaynak C.

E-MRS (European Materials Research Society) 2018 Fall Meeting, Warszawa, Poland, 17 - 20 September 2018

VII. Behavior of PLA / Short Glass Fiber Composites With and Without Elastomer Blending

Kaynak C., Varsavađ D.

6th Asia Conference on Mechanical and Materials Engineering – ACMME 2018, Seoul, South Korea, 15 - 18 June 2018, pp.51-52

VIII. Flame Retardancy Synergism of Zinc Borate and an Organophosphorus Compound in Polyamide and its Composite

KAYNAK C., POLAT O.

International Conference on Materials and Intelligent Manufacturing - ICMIM 2017, Singapore, 21 - 23 August 2017

IX. Weathering Degradation of Polylactide / Montmorillonite Nanocomposites

KAYNAK C., SARI B.

14th International Conference on Nanosciences Nanotechnologies – NN17, Greece, 4 - 07 July 2017

X. A New Type of Soluble Hybrid Poly(3,4-Ethylenedioxy Thiophene)

ERTAN S., KAYNAK C., CİHANER A.

The 3rd International Conference on Renewable Energy Technologies – ICRET 2017, Thailand, 22 - 24 January 2017

XI. Polilaktitin Farklı Elastomerik Malzemelerle Toklađtırma Amaçlı Harmanlanması

- MEYVA Y., KAYNAK C.
6.Ulusal Polimer Bilim ve Teknoloji Kongresi, Ankara, Turkey, 4 - 07 October 2016
- XII. **Behavior of Polylactide Montmorillonite Nanocomposites**
SARI B., KAYNAK C.
18th International Metallurgy and Materials Congress - IMMC 2016, İstanbul, Turkey, 29 September - 01 October 2016
- XIII. **A Novel Organic Inorganic Based Electroactive Copolymer**
ERTAN S., KAYNAK C., CİHANER A.
28th National Chemistry Congress, Mersin, Turkey, 15 - 21 August 2016
- XIV. **Blending of Polylactide with Different Elastomeric Materials for Toughening**
MEYVA Y., KAYNAK C.
46th IUPAC World Polymer Congress – MACRO 2016, İstanbul, Turkey, 17 - 21 July 2016
- XV. **Toughening of Polylactide PLA by Blending with Elastomeric Materials**
KAYNAK C., MEYVA Y.
Energy Materials Nanotechnology – EMN Meeting on Polymer 2016, Hong Kong, 12 - 15 January 2016
- XVI. **Electrical Properties of Silver Nanowire Polylactide Nanocomposite Films**
DOĞANAY D., Çoşkun Ş., KAYNAK C., ÜNALAN H. E.
MRS Fall Meeting & Exhibit , Boston, USA , Symposium H, 29 November - 04 December 2015
- XVII. **Electrical Conductivity of Silver Nanowire Polylactide Nanocomposite Films**
DOĞANAY D., ÇOŞKUN Ş., KAYNAK C., ÜNALAN H. E.
Uluslararası Katılımlı III. Ege Kompozit Malzemeler Sempozyumu - KompEGE III -, Kuşadası, Turkey, 5 - 07 November 2015
- XVIII. **Effects of Maleic Anhydride Compatibilization on the Toughness and Other Properties of Polylactide Blended with Thermoplastic Elastomers**
MEYVA Y., KAYNAK C.
8th European Symposium on Biopolymers – ESBP 2015, Sapienza University, Rome, Italy,, 15 - 18 September 2015
- XIX. **Mechanical and Thermal Behaviour of Polylactide Nanocomposites Reinforced with Halloysite Nanotubes**
KAYGUSUZ ., KAYNAK C.
6th International Conference on Science and Technology of Composite Materials – COMAT 2015, Universidad de Buenos Aires, Argentina, 7 - 08 May 2015
- XX. **Effects of Silver Nanowires on the Behavior of Polylactide Nanocomposite Films**
DOĞANAY D., Çoşkun Ş., ÜNALAN H. E., KAYNAK C.
144th Annual Meeting & Exhibition of TMS Society - TMS 2015, Orlando, USA, 15 - 19 March 2015
- XXI. **Interface studies between epoxy and recycled rubber**
Sipahi-Sağlam E., Kaynak C., Akovali G.
3rd International Micro Materials Conference, Berlin, Germany, 17 April - 19 July 2000, pp.413-416
- XXII. **Short fatigue crack initiation at inclusions**
Kaynak C., Ankara A.
5th European Conference on Advanced Materials and Processes and Applications (EUROMAT 97), Maastricht, Netherlands, 21 - 23 April 1997, pp.45-48
- XXIII. **SEM fractography of fracture surfaces with elongated inclusions**
KAYNAK C., ANKARA A.
13th International Congress on Electron Microscopy, Paris, France, 17 - 22 July 1994, pp.49-50

Supported Projects

KAYNAK C., CAN U., Project Supported by Higher Education Institutions, UV SOĞURUCU İÇEREN VE İÇERMİYEN PLA/TiO₂ MİKRO VE NANOKOMPOZİTLERİN İŞİL BOZUNUMU, 2018 - 2019

KAYNAK C., CAN U., Project Supported by Higher Education Institutions, MİKRON VE NANO BOYUTLU TİTANYA

PARÇACIKLARININ POLİLAKTİTİN DAVRANIŞINA ETKİLERİNİN KARŞILAŞTIRILMASI, 2017 - 2017
KAYNAK C., TUBITAK Project, PLA / Cam Elyaf Kompozit Filamentlerin 3D Yazıcı / Eklemeli Üretim Tekniğinde Kullanılabilirliği, 2016 - 2017
KAYNAK C., VARSAVAŞ S. D., Project Supported by Higher Education Institutions, CAM ELYAF İLE GÜÇLENDİRİLMİŞ POLİLAKTİT BAZLI KOMPOZİTLERİN ÜRETİM PARAMETRELERİNİN İNCELENMESİ, 2016 - 2016
KAYNAK C., Project Supported by Higher Education Institutions, POLİLAKTİT / KRİSTAL SELÜLOZ BİYOKOMPOZİTLERİNİN GELİŞTİRİLMESİ, 2015 - 2015
KAYNAK C., Industrial Thesis Project, Biyopolimer PLA Polilaktit ve Doğal Katkılı Kompozitlerinin Otomotiv Parçalarında Kullanılabilirliği, 2013 - 2015
KAYNAK C., Erdoğan A. R., Project Supported by Higher Education Institutions, MİKRON BOYUTLU TALK KATKISININ POLİLAKTİT BİYOPOLİMERİNİN ÖZELLİKLERİNE ETKİLERİ, 2014 - 2014
KAYNAK C., Erdoğan A. R., Kaygusuz İ., Project Supported by Higher Education Institutions, POLİLAKTİT (PLA) MATRİSLİ HALOYSİT NANOTÜP (HNT) KATKILI NANOKOMPOZİTLERİN GELİŞTİRİLMESİ, 2013 - 2013
KAYNAK C., ERDOĞAN A. R., Project Supported by Higher Education Institutions, POLİLAKTİT (PLA) MATRİSLİ TALK KATKILI MİKROKOMPOZİTLERİN SENTEZLENMESİ, 2013 - 2013
KAYNAK C., ERTAN S., Project Supported by Higher Education Institutions, POLİMER/POSS NANOKOMPOZİTLERİN ÜRETİMİ VE KARAKTERİZASYONU, 2013 - 2013
KAYNAK C., DOĞU B., Project Supported by Higher Education Institutions, POLİLAKTİT (PLA) MATRİSLİ DOĞAL ELYAFLI KOMPOZİTLERİN GELİŞTİRİLMESİ, 2013 - 2013
KAYNAK C., Project Supported by Higher Education Institutions, Poliamid- 6'nın Fonksiyonelleştirilmiş Karbon Nanotüpler İle Kırılma Tokluğunun İyileştirilmesi, 2012 - 2012
KAYNAK C., TUBITAK Project, Aminolan Karbon Nanotüplerin Poliamid 6 Kristallenme Davranışına Etkileri, 2011 - 2012
KAYNAK C., Project Supported by Higher Education Institutions, Silanlama İşlemi İle Karbon Nanotüp/poliamid 6 Nanokompozitlerde Dağılım Ve Arayüzey Etkileşimlerinin İyileştirilmesi, 2011 - 2011
KAYNAK C., TUBITAK Project, Türkiye de Üretilen Üç Bor Bileşiğinin Plastik ve Kompozit Ürünlerde Alev Geciktirici Olarak Yaygın Kullanılabilirliğinin Araştırılması, 2009 - 2011
KAYNAK C., Project Supported by Higher Education Institutions, Fonksiyonel Katkılar İçeren Poli (metilmetakrilat) Nanokompozitlerinin Sentezi Ve Karakterizasyonu, 2010 - 2010
KAYNAK C., Project Supported by Higher Education Institutions, Poliamid Ve Polistirenin Alevlenme Dayanımının Çeşitli Nanokompozit Yaklaşımlarıyla İyileştirilmesi, 2009 - 2009
KAYNAK C., TUBITAK Project, Yüksek Alevlenme Dayanımlı Polimer Bazlı Karbon Nanotüp ve Kil Katkılı Nanokompozit Malzemelerin Geliştirilmesi, 2007 - 2009
Kaynak C., Project Supported by Higher Education Institutions, Termoplastik / Kil Nanokompozitlerinin Çözelti Yöntemiyle Sentezlenmesi ve Mekanik Isıl Alevlenme Özelliklerinin İncelenmesi, 2008 - 2008
Kaynak C., Project Supported by Higher Education Institutions, Polimer / Katmanlı Silikat Nanokompozit Malzemelerin Alevlenme Flammability Özelliklerinin İncelenmesi, 2007 - 2007
Kaynak C., Project Supported by Higher Education Institutions, Katmanlı Silikat Kullanılarak Termoset Matriksli Nanokompozit Malzemelerin Elde Edilmesi, 2004 - 2004
Kaynak C., Project Supported by Higher Education Institutions, Reçine Aktarım Kalıplaması (RTM) ile Üretilen Elyafı Güçlendirilmiş Epoksi Kompozitlerde Proses Parametrelerinin Etkileri, 2001 - 2002
Kaynak C., Project Supported by Higher Education Institutions, Katkısız Epoksinin ve Cam Elyaf Takviyeli Epoksi Kompozit Yapısının Esneklik Davranışının İyileştirilmesi ve Karşılaştırılması, 2000 - 2001

Scientific Refereeing

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey, October 2022
TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey, October 2022

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey, October 2022

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Middle East Technical University, Turkey, March 2022

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey, March 2022

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey, March 2022

TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, November 2021

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey, October 2021

TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, September 2021

TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, July 2021

TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, July 2021

TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, July 2021

TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, June 2021

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey, April 2021

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey, April 2021

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Middle East Technical University, Turkey, April 2021

EXPRESS POLYMER LETTERS, SCI Journal, October 2019

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey, September 2019

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey, September 2019

COMPOSITE INTERFACES, SCI Journal, August 2019

INTERNATIONAL POLYMER PROCESSING, SCI Journal, August 2019

JOURNAL OF THERMOPLASTIC COMPOSITE MATERIALS, SCI Journal, July 2019

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey, July 2019

TUBITAK Project, 1511 - TUBITAK Priority Fields Research Technology Development and Innovation PDP, Middle East Technical University, Turkey, June 2019

TUBITAK Project, 1511 - TUBITAK Priority Fields Research Technology Development and Innovation PDP, Middle East Technical University, Turkey, June 2019

TUBITAK Project, 1505 - University-Industry Cooperation Support Program, Middle East Technical University, Turkey, April 2019

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Middle East Technical University, Turkey, April 2019

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey, March 2019

JOURNAL OF POLYMERS AND THE ENVIRONMENT, SCI Journal, February 2019

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey, February 2019

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey, February 2019

COMPOSITES PART B-ENGINEERING, SCI Journal, December 2018

CELLULAR POLYMERS, SCI Journal, October 2018

CELLULOSE, SCI Journal, September 2018

TUBITAK Project, 1511 - TUBITAK Priority Fields Research Technology Development and Innovation PDP, Middle East Technical University, Turkey, September 2018

TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, September 2018

TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, September 2018

CLAY MINERALS, SCI Journal, July 2018

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey, July 2018

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey, July 2018
TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey, July 2018
COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING, SCI Journal, June 2018
TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey, June 2018
TUBITAK Project, 1505 - University-Industry Cooperation Support Program, Middle East Technical University, Turkey, June 2018
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Middle East Technical University, Turkey, June 2018
COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING, SCI Journal, May 2018
POLYMERS FOR ADVANCED TECHNOLOGIES, SCI Journal, May 2018
JOURNAL OF COMPOSITE MATERIALS, SCI Journal, May 2018
JOURNAL OF VINYL & ADDITIVE TECHNOLOGY, SCI Journal, May 2018
TUBITAK Project, 1011 - International Scientific Research Projects Participation Program (UBAP), Middle East Technical University, Turkey, May 2018
TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey, April 2018
TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, April 2018
INTERNATIONAL POLYMER PROCESSING, SCI Journal, March 2018
Technopark, Middle East Technical University, Turkey, March 2018
TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey, February 2018
TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey, February 2018
INTERNATIONAL POLYMER PROCESSING, SCI Journal, January 2018
POLYMERS FOR ADVANCED TECHNOLOGIES, SCI Journal, January 2018
JOURNAL OF POLYMER ENGINEERING, SCI Journal, January 2018
CELLULOSE, SCI Journal, January 2018
Project Supported by Higher Education Institutions, BAP Research Project, Middle East Technical University, Turkey, January 2018
TUBITAK Project, 1511 - TUBITAK Priority Fields Research Technology Development and Innovation PDP, Middle East Technical University, Turkey, January 2018
Project Supported by Higher Education Institutions, BAP Research Project, Middle East Technical University, Turkey, January 2018

Tasks In Event Organizations

Kaynak C., 4th International Composite Materials Symposium- KOMPEGE4, Scientific Congress, İzmir, Turkey, Eylül 2018

Metrics

Publication: 116

Citation (WoS): 2211

Citation (Scopus): 2449

H-Index (WoS): 28

H-Index (Scopus): 29

Congress and Symposium Activities

6th Asia Conference on Mechanical and Materials Engineering – ACMME 2018, Working Group, Seoul, South Korea, 2018