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International Researcher IDs

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Publons / Web Of Science ResearcherID: Y-2116-2019

ScopusID: 6602777536

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Education Information

Doctorate, Case Western Reserve University, Physics, United States Of America 1988 - 1994

Postgraduate, University of Wisconsin-Madison, Physics, United States Of America 1987 - 1988

Undergraduate, Istanbul University, Faculty Of Science, Department Of Physics, Turkey 1979 - 1983

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Statistical Thermodynamics of Chain Molecular Fluids: Equation of State Parameters for PVT Scaling and Their Group Contributions., Case Western Reserve University, Physics, 1994

Postgraduate, The Mass Spectra of Pure Methane and Nitrogen-methane Plasmas for Diamondlike Carbon Films., University of Wisconsin-Madison, Physics, 1988

Research Areas

Transport Events, Thermal Properties of Condensed Matter, Surfaces, Interfaces, Thin Films and Nanosystems, Statistical Mechanics, Characterization of Polymers, Polymeric Materials, Thermodynamics, Fuel Cells

Academic Titles / Tasks

Professor, Marmara University, Faculty of Arts and Sciences, Physics, 2003 - Continues

Associate Professor, Marmara University, Faculty of Arts and Sciences, Physics, 1998 - 2003

Assistant Professor, Marmara University, Faculty of Arts and Sciences, Physics, 1996 - 1998

Research Assistant, Istanbul Technical University, Enerji Enstitüsü, Nükleer Araştırmalar, 1985 - 1986

Research Assistant, Istanbul Technical University, Fen-Edebiyat, Fizik Mühendisliği, 1984 - 1985

Academic and Administrative Experience

Ethics Committee Member, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, 2014 - Continues

Head of Department, Marmara University, Faculty of Arts and Sciences, Physics, 2008 - Continues

Member of the Senate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, 2014 - 2017

Chairman of the BAP Committee, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, 2014 - 2017

Director of The Institution, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, 2014 - 2017

Fakülte Kurulu Üyesi, Marmara University, Faculty of Arts and Sciences, Physics, 2008 - 2017

Head of Department, Marmara University, Faculty of Arts and Sciences, Physics, 2008 - 2017

BAP Subcommittee Member, Marmara University, Faculty of Arts and Sciences, Physics, 2008 - 2011

Assistant Director of the Institute, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, 2006 - 2008

Erasmus Program Department Coordinator, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, 2006 - 2008

Deputy Head of Department, Marmara University, Faculty of Arts and Sciences, Physics, 1999 - 2002

Courses

Physics I, Undergraduate, 2023 - 2024

Electricity and Magnetism II, Undergraduate, 2023 - 2024

Electricity and Magnetism I, Undergraduate, 2023 - 2024

Radiation Health and Safety, Postgraduate, 2023 - 2024

Occupational Safety in Production Technologies, Postgraduate, 2023 - 2024

Computer Assisted Data Analysis, Postgraduate, 2023 - 2024

Physics II, Undergraduate, 2023 - 2024

Advising Theses

Yahşi U., Relaxation time of PVAc as a function of hole fraction computed from Simha Somcynsky theory, Postgraduate, A.MOHAMMAD(Student), 2023

Yahşi U., Noise and vibration in laboratory environments, Postgraduate, D.GEZİCİ(Student), 2023

YUMAK YAHŞI A., YAHŞI U., Pozitron annihilasyon ömür spektroskopisi kullanılarak pamam dendrimerlerinin serbest hacim incelemesi, Postgraduate, H.Kılıç(Student), 2019

TAV C., YAHŞI U., Katkılandırılmış PNN-PZT piezoelektrik seramiklerin pozitron yokolma (PALS) tekniğiyle incelenmesi, Postgraduate, F.Çetin(Student), 2019

TAV C., YAHŞI U., Automated data acquisition and analysis system for positron annihilation spectroscopy, Postgraduate, M.Adil(Student), 2019

YAHŞI U., TAV C., Simha-somcynsky ve Cahn Hillard kuramlarını kullanarak polimerlerin yüzey serbest hacim derinlik profilinin çıkarılması, Doctorate, S.Küzeci(Student), 2011

YAHŞI U., Yahşi U., Monte Carlo simülasyonu ile ising modeli ve faz geçişleri, Postgraduate, Ö.Aşçı(Student), 2011

YAHŞI U., Polimer-iyonik tuz elektrolitlerinin iletkenlik-serbest hacim ilişkilerinin pozitron yokolma ömür spektroskopisi ile incelenmesi, Postgraduate, B.Coşkun(Student), 2009

YAHŞI U., Dallanmış ve dendrimer makromoleküler yapıların istatistikî termodinamiği, Doctorate, M.Aslan(Student), 2009

- YAHŞI U., Eriyik polimerin viskoz davranışının serbest hacim ile ilişkilendirilmesi, Postgraduate, G.Akdeniz(Student), 2006
- YAHŞI U., Zincir moleküler sıvıların yüzey geriliminin bulk özellikleri ile ilişkilendirilmesi, Postgraduate, C.Boyrac(Student), 2004
- YAHŞI U., Hidrokarbon sıvıların istatistik termodinamiği: ultrasonik ses hızının termodinamik niceliklerle ilişkilendirilmesi, Postgraduate, A.Sayıcı(Student), 2002
- YAHŞI U., Hirdokarbon sıvıların istatistik termodinamiği: izotermal ve izentropik sıkıştırılabilirliğin serbet hacim metodu ile incelenmesi, Postgraduate, S.Aydın(Student), 2002
- YAHŞI U., Bazı hidrokarbon karışımlarının viskoz davranışının denge ve transport kuramları ile ilişkilendirilmesi, Postgraduate, F.Şahin(Student), 2002
- YAHŞI U., Hidrocarbon molekül sıvıların istatistik termodinamiği:Karakteristik grub katkıları kullanılarak fiziksel ve kimyasal karışımların incelenmesi, Postgraduate, S.Küzeci(Student), 1999
- YAHŞI U., Polimer sıvıların P-V-T ve viskoz davranışlarının ilişkilendirilmesi, Postgraduate, E.Usanmaz(Student), 1999

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The Influence of Defects on the Structural, Optical, and Antibacterial Properties of Cr/Cu Co-Doped ZnO Nanoparticles**
Arda L., Raad Z., VEZİROĞLU S., TAV C., YAHŞI U.
Journal of Molecular Structure, vol.1320, 2025 (SCI-Expanded)
- II. **Correlation of proton conductivity and free volume in sulfonated polyether ether ketone electrolytes: A positron annihilation lifetime spectroscopy study**
Lahmuni M., Yilmazoğlu M., ABACI U., Coban O., YUMAK YAHŞI A., TAV C., YAHŞI U.
Radiation Physics and Chemistry, vol.226, 2025 (SCI-Expanded)
- III. **A novel approach for the atomic scale characterization of Li-ion battery components probed by positron annihilation lifetime spectroscopy**
Bakar R., Koc S., YUMAK YAHŞI A., TAV C., YAHŞI U.
Materials Research Bulletin, vol.180, 2024 (SCI-Expanded)
- IV. **Free-volume analysis of the structural and dielectric properties of PMMA/TeO₂ composites via positron annihilation lifetime spectroscopy**
Kuzeci S., Ozcan E., KAYA A. U., Bakar R., TAV C., YAHŞI U., ESMER K.
Journal of Alloys and Compounds, vol.1004, 2024 (SCI-Expanded)
- V. **Proton pathways via free volumes: A positron annihilation lifetime spectroscopy (PALS) investigation of proton conductivity in SPEEK-PEG-TMOS composites**
Yilmazoğlu M., ABACI U., Okay H., Yahsi A., TAV C., YAHŞI U.
Colloids and Surfaces A: Physicochemical and Engineering Aspects, vol.687, 2024 (SCI-Expanded)
- VI. **Free-Volume analysis of PAMAM dendrimers by means of positron annihilation lifetime spectroscopy**
Yumak Yahsi A., Uzun H., Altunkaya A. N., Unalkizilirmak A., TÜLÜ M., TAV C., YAHŞI U.
Journal of Molecular Structure, vol.1302, 2024 (SCI-Expanded)
- VII. **Dielectric relaxation time of PVAc in terms of hole fraction calculated from the theory of Simha-Somcynsky**
YUMAK YAHŞI A., Almashayek A., YAHŞI U.
Polymer, vol.295, 2024 (SCI-Expanded)
- VIII. **Cation Vacancy-Mediated Ultrafast Hole Transport in CuBi₂O₄ Photocathodes**
Ardalı E., Jahangiri H., Solati N., YAHŞI U., TAV C., Sennaroglu A., Kaya S.
ChemSusChem, 2024 (SCI-Expanded)
- IX. **Detailed investigation on the insulation and permeability characteristics of rigid polyurethane foam loaded with micron-sized Turkey feather powder depending on the free volume change**
SOYKAN U., CETIN S., YAHŞI U.

Cellular Polymers, vol.42, no.5-6, pp.204-225, 2023 (SCI-Expanded)

- X. **Investigation of Nd³⁺:Y₂Si₂O₇ Phosphors Using Photoluminescence and Positron Annihilation Lifetime Spectroscopy**
Akay L. N., Kuzeci S., Akti N., Erdem M., TAV C., YAŞI U., Eryürek G., Di Bartolo B.
ECS Journal of Solid State Science and Technology, vol.12, no.8, 2023 (SCI-Expanded)
- XI. **Effects of sintering and zirconmullite doping on nanostructural vacancies of bovine hydroxyapatite by positron techniques**
Akay L. N., Kalkandelen C., Akti N., Sengul M. S., TAV C., YAŞI U., ERKMEN Z. E.
JOURNAL OF THE AMERICAN CERAMIC SOCIETY, vol.106, no.5, pp.3220-3227, 2023 (SCI-Expanded)
- XII. **Decoding Polymer Architecture Effect on Ion Clustering, Chain Dynamics, and Ionic Conductivity in Polymer Electrolytes**
Bakar R., Darvishi S., Aydemir U., YAŞI U., TAV C., Menciloglu Y. Z., Senses E.
ACS Applied Energy Materials, vol.6, no.7, pp.4053-4064, 2023 (SCI-Expanded)
- XIII. **The role of defects in the structural and photocatalytic properties of Mg/B co-doped ZnO nanoparticles**
ŞENTÜRK K., Yalcin B., Yalcin I., Alphan M., ŞENGÜL M. T., TAV C., YAŞI U., Arda L.
Journal of Materials Science: Materials in Electronics, vol.34, no.9, 2023 (SCI-Expanded)
- XIV. **Investigation of the relation between free volume and physico-mechanical performance in rigid polyurethane foam containing turkey feather fibers: Part 2**
Soykan U., Khaleel M., Cetin S., YAŞI U., TAV C.
Journal of Cellular Plastics, vol.58, no.6, pp.893-915, 2022 (SCI-Expanded)
- XV. **Electronic ionisation-induced annealing of pre-existing defects in Al₂O₃ and CaF₂ single crystals**
Izerrouken M., Hazem R., Kuzeci S., Tav C., Yahsi U., Lemam S.
PHILOSOPHICAL MAGAZINE, vol.102, no.4, pp.283-298, 2022 (SCI-Expanded)
- XVI. **Free volume vacancy behaviour and dynamic viscosity of diesel fuels with additives at elevated temperature and pressure: thermo-occupancy function**
Dinc F. S., Schaschke C., Yahsi U.
INTERNATIONAL JOURNAL OF OIL, GAS AND COAL TECHNOLOGY, vol.30, no.2, pp.209-228, 2022 (SCI-Expanded)
- XVII. **Role of free volume in mechanical behaviors of side chain lcp grafted products of high density polyethylene**
Sen B. O., ÇETİN S., YAŞI U., Soykan U.
JOURNAL OF POLYMER RESEARCH, vol.28, no.8, 2021 (SCI-Expanded)
- XVIII. **Heavy ion irradiation induced defects in Zircaloy-4**
Izerrouken M., Hazem R., Yahsi U., Naceri S. E., Tav C., Kuzeci S., Sari A., Haid F., Ishaq A., Menchi O., et al.
PHYSICA SCRIPTA, vol.96, no.4, 2021 (SCI-Expanded)
- XIX. **Free volume, thermal and morphological properties of photo-crosslinked thiol-Ene/nanodiamond hybrid network**
Cigil A. B., MADAKBAŞ S., TAV C., YAŞI U., KAHRAMAN M. V.
PIGMENT & RESIN TECHNOLOGY, vol.50, no.2, pp.113-120, 2021 (SCI-Expanded)
- XX. **Structural and dielectrical properties of PMMA/TiO₂ composites in terms of free volume defects probed by positron annihilation lifetime spectroscopy**
KAYA A. U., Kösem G., YENER M. D., TAV C., YAŞI U., ESMER K.
Polymers and Polymer Composites, vol.29, pp.107-116, 2021 (SCI-Expanded)
- XXI. **Optical and photoluminescence spectroscopy analysis and Doppler broadening annihilation radiation studies of perovskites based on La_{1-x}Ni_xMn_{0.75} thin layers**
Arrar A., Benhaliliba M., Boukhachem A., YAŞI U., TAV C., Yumak A., Amlouk M.
OPTIK, vol.224, 2020 (SCI-Expanded)
- XXII. **A detailed survey for determination of the grafted semifluorinated acrylic compound effect on thermal, microstructural, free volume, mechanical and morphological features of HDPE**
Soykan U., Sen B. O., Cetin S., YAŞI U., TAV C.
JOURNAL OF FLUORINE CHEMISTRY, vol.233, 2020 (SCI-Expanded)

- XXIII. **Effects of boron nitrite in thermoplastic polyurethane on thermal, electrical and free volume properties**
DUMLUĐAĐ F., Yener M. Y., BAŞTÜRK E., MADAKBAŞ S., KAHRAMAN M. V., Umer M. A., YAHŞI U., TAV C.
POLYMER BULLETIN, vol.76, no.8, pp.4087-4101, 2019 (SCI-Expanded)
- XXIV. **Ionic conductivity of PVdF-co-HFP/LiClO₄ in terms of free volume defects probed by positron annihilation lifetime spectroscopy**
YAHŞI U., DELİGÖZ H., TAV C., Ulutas K., Deger D., YILMAZTÜRK S., ERDEMCİ G., ÇOŞKUN B., YILMAZOĞLU M., YAKUT Ş.
RADIATION EFFECTS AND DEFECTS IN SOLIDS, vol.174, pp.214-228, 2019 (SCI-Expanded)
- XXV. **Interrelationships of Pressure-Dependent Hole Fraction and Elongational Viscosity in Polymer Melts**
Sahin-Dinc F., YAHŞI U., SEDLACEK T.
ADVANCES IN POLYMER TECHNOLOGY, 2019 (SCI-Expanded)
- XXVI. **Dielectric properties and conductivity of PVdF-co-HFP/LiClO₄ polymer electrolytes**
Ulutas K., YAHŞI U., Deligoz H., TAV C., Yilmazturk S., Yilmazoglu M., Erdemci G., Coskun B., Yakut S., Deger D.
CANADIAN JOURNAL OF PHYSICS, vol.96, no.7, pp.786-791, 2018 (SCI-Expanded)
- XXVII. **Europium doping-induced stability and quantum confinement effect in ZnO quantum well wires QWW: Electronic structure calculation and material structural investigation in terms of band-gap shift**
Yumak A., Yahsi U., Petkova P., Boubaker K.
MATERIALS LETTERS, vol.164, pp.89-92, 2016 (SCI-Expanded)
- XXVIII. **The Effect of Hole Fraction on Viscosity in Atactic and Syndiotactic Polystyrenes**
Sahin-Dinc F., Sorrentino A., TAV C., YAHŞI U.
INTERNATIONAL JOURNAL OF THERMOPHYSICS, vol.36, pp.3239-3254, 2015 (SCI-Expanded)
- XXIX. **Molecular structure stability of short-chain chlorinated paraffins (SCCPs): Evidence from lattice compatibility and Simha-Somcynsky theories**
Yumak A., Boubaker K., Petkova P., Yahsi U.
JOURNAL OF MOLECULAR STRUCTURE, vol.1098, pp.255-260, 2015 (SCI-Expanded)
- XXX. **Relaxation time of polypropylene glycol and polypropylene glycol dimethylether-like polymers in terms of fluid-phase temperature and pressure dependent hole fraction**
YAHŞI U., Coskun B., YUMAK YAHŞI A., Boubaker K., TAV C.
EUROPEAN POLYMER JOURNAL, vol.68, pp.226-232, 2015 (SCI-Expanded)
- XXXI. **Thermal and size effect on the R lines luminescence in YAG:Cr³⁺**
Erdem M., Ozen G., YAHŞI U., Di Bartolo B.
JOURNAL OF LUMINESCENCE, vol.158, pp.464-468, 2015 (SCI-Expanded)
- XXXII. **On the Non-Newtonian Viscous Behavior of Polymer Melts in Terms of Temperature and Pressure-Dependent Hole Fraction**
Dinc F. S., Sedlacek T., TAV C., YAHŞI U.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.131, no.15, 2014 (SCI-Expanded)
- XXXIII. **Viscous Behavior of PS, PP, and ABS in Terms of Temperature and Pressure-Dependent Hole Fraction**
Akdeniz G., YAHŞI U., TAV C.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.117, no.1, pp.110-113, 2010 (SCI-Expanded)
- XXXIV. **The magnetic field dependency of hydrogenic impurity binding energy under inverse lateral parabolic potential**
ELAGÖZ S., BAŞER P., YAHŞI U.
PHYSICA B-CONDENSED MATTER, vol.403, pp.3879-3882, 2008 (SCI-Expanded)
- XXXV. **On the Ionic Conductivity of Polymer Electrolytes in Terms of Hole Fraction**
YAHŞI U., Ulutas K., TAV C., Deger D.
JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS, vol.46, no.20, pp.2249-2254, 2008 (SCI-Expanded)
- XXXVI. **Linking the viscous and vacancy behavior of mixtures of high-molecular-weight hydrocarbons**
Sahin F., Tav C., Yahsi U.

- INTERNATIONAL JOURNAL OF THERMOPHYSICS, vol.27, no.5, pp.1501-1514, 2006 (SCI-Expanded)
- XXXVII. **Linking the viscous and vacancy behavior of high molecular weight hydrocarbons**
Yahsi U., Sahin F.
RHEOLOGICA ACTA, vol.43, no.2, pp.159-167, 2004 (SCI-Expanded)
- XXXVIII. **Equation of state of alkane and alkylbenzene liquids: A test of the group contributions of scaling parameters for physical and chemical mixtures**
Yahsi U., Kuzeci S., Alevli M.
INTERNATIONAL JOURNAL OF THERMOPHYSICS, vol.23, no.2, pp.501-512, 2002 (SCI-Expanded)
- XXXIX. **Viscous behavior of linear and three-branch alkanes: Linking the equilibrium and transport theories**
YAHŞI U.
JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS, vol.37, no.9, pp.879-887, 1999 (SCI-Expanded)
- XL. **Equation of state of poly(dimethylsiloxane) melts**
Sachdev V., YAHŞI U., Jain R.
JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS, vol.36, no.5, pp.841-850, 1998 (SCI-Expanded)
- XLI. **Interrelationships between P-V-T and flow behavior of linear and nonlinear hydrocarbons**
YAHŞI U.
POLYMER ENGINEERING AND SCIENCE, vol.38, no.3, pp.464-470, 1998 (SCI-Expanded)
- XLII. **STATISTICAL THERMODYNAMICS OF HYDROCARBON FLUIDS - SCALING PARAMETERS AND THEIR GROUP CONTRIBUTIONS**
SIMHA R., YAHŞI U.
JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS, vol.91, no.16, pp.2443-2455, 1995 (SCI-Expanded)
- XLIII. **MOLECULAR WEIGHT-DEPENDENCE OF FREE-VOLUME IN POLYSTYRENE STUDIED BY POSITRON-ANNIHILATION MEASUREMENTS**
YU Z., YAHŞI U., MCGERVEY J., JAMIESON A., SIMHA R.
JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS, vol.32, no.16, pp.2637-2644, 1994 (SCI-Expanded)

Articles Published in Other Journals

- I. **ATAKTİK VE SİNDİYOTAKTİK POLİSTİRENİN VİSKOZİTE BOŞLUK KESRİ DAVRANIŞININ TAKTİSİTEYE ETKİSİ**
Dinç F. Ş., Sorrentino A., TAV C., YAHŞI U.
Journal of the Turkish Chemical Society A: Chemistry, vol.2, pp.12-14, 2015 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Problemlerle Klasik Mekanik**
YAHŞI U.
Literatür Yayıncılık, Beyoğlu, İstanbul, İstanbul, 2012

Refereed Congress / Symposium Publications in Proceedings

- I. **A Novel Approach Enabling Atomic Scale Characterization for Li-ion Battery Components probed by Positron Annihilation Lifetime Spectroscopy (PALS)**
BAKAR R., KOÇ S., YUMAK YAHŞI A., YAHŞI U.
7th Int. Symp on Materials for Energy Storage and Conversion & 11th Int. Conference on Nanomaterials and Advanced Energy Storage Systems, Muğla, Turkey, 17 July 2023
- II. **Some Studies Related to the Determination of Factors Affecting Positronium Formation of High**

Density Polyethylene (HDPE) via Positron Annihilation Lifetime Spectroscopy (PALS)

ÖZTÜRK ŞEN B., YAHŞI U., TAV C.

ICACCHE 2nd International Conference on Applications in Chemistry and Chemical Engineering, Belgrade, Serbia And Montenegro, 10 - 14 October 2018

- III. **Correlation between Free Volume Holes and Mechanical Properties of Side Chain LCP-HDPE Graft Products**
ÖZTÜRK ŞEN B., YAHŞI U., ÇETİN S., TAV C., YENER M. Y., SOYKAN U.
ICACCHE 2nd International Conference on Applications in Chemistry and Chemical Engineering, Belgrade, Serbia And Montenegro, 10 - 14 October 2018
- IV. **Analysis of Positron Lifetime Spectra with Bayesian Inference**
ÜSTÜNDAĞ D., YAHŞI U.
5th INTERNATIONAL CONFERENCE ON COMPUTATIONAL AND EXPERIMENTAL SCIENCE AND ENGINEERING (ICCESSEN-2018), 12 - 16 October 2018
- V. **Ionic Conductivity of PVdF-co-HFP with Li-salts in terms of Free Volume Probed by Positron Annihilation Lifetime Spectroscopy**
YAHŞI U., TAV C., ERDEMÇİ TANDOĞAN G., COŞKUN B., DELİGÖZ H., YILMAZTÜRK S., YILMAZOĞLU M., ULUTAŞ H. K., DEGER D., YAKUT Ş.
Uluslararası Katılımlı VII. Polimer Bilim ve Teknoloji Kongresi, Eskişehir, Turkey, 9 - 12 September 2018
- VI. **Ionic Conductivity of PVdF-co-HFP with Li-salts In Terms of Free Volume Probed by Positron Annihilation Lifetime Spectroscopy**
TAV C., ULUTAŞ H. K., DELİGÖZ H., YILMAZOĞLU M., ULUTAŞ D., YAKUT Ş., COŞKUN B., ERDEMÇİ G., YILMAZTÜRK S., YAHŞI U.
Uluslararası Katılımlı VII. Polimer Bilim ve Teknoloji Kongresi (Polimer 2018), 9 - 12 September 2018
- VII. **DC Conductivity, Thermal and Free Volume Properties of Thermoplastic polyurethane/boron nitride compounds**
YAHŞI U., YENER M. Y., MADAKBAŞ S., TAV C., DUMLUDAĞ F., UMER M. A.
Uluslararası Katılımlı VII. Polimer Bilim ve Teknoloji Kongresi (Polimer 2018), 9 - 12 September 2018
- VIII. **Temperature and Pressure Dependent Relaxation of Polymers In Terms of Free Volume Fraction**
YAHŞI U., COŞKUN B., YUMAK YAHŞI A., TAV C.
Uluslararası Katılımlı VII. Polimer Bilim ve Teknoloji Kongresi (Polimer 2018), Eskişehir, Turkey, 9 - 12 September 2018
- IX. **Investigation of a Relationship Between Free Volume and Ionic Conductivity of PVdF-co-HFP with Ionic Liquid**
YAHŞI U., TAV C., ULUTAŞ H. K., DELİGÖZ H., COŞKUN B., ERDEMÇİ G., YILMAZTÜRK S., YILMAZOĞLU M., ULUTAŞ D., YAKUT Ş.
The International Joint Science Congress of Materials Polymers, 25 - 28 August 2017
- X. **Free Volume Properties of Side Chain LCP-HDPE Graft Coproducts Probed by Positron Annihilation Lifetime Spectroscopy**
ÖZTÜRK ŞEN B., YAHŞI U., TAV C., ÇETİN S., YENER M. Y., SOYKAN U.
The International Joint Science Congress of Materials Polymers, 25 - 28 August 2017
- XI. **The Surface Gradient Profile of Free Volume of PS, PMMA, and SAN using Simha-Somcynsky and Cahn-Hilliard Theories**
YUMAK YAHŞI A., KUZECİ S., TAV C., YAHŞI U.
The International Joint Science Congress of Materials Polymers, 25 - 28 August 2017
- XII. **The Surface Gradient Profile of Free Volume of PS, PMMA, and SAN using Simha-Somcynsky and Cahn-Hilliard Theories**
YUMAK YAHŞI A., YAHŞI U., TAV C., KUZECİ S.
The International Joint Science Congress of Materials Polymers ISCMP 2017, Ohrid, Macedonia, 25 - 28 August 2017
- XIII. **Influence of Hole Fraction on Elongational Viscosity of Polymer Melts**
DİNÇ F., SEDLACEK T., YAHŞI U.

Türk Fizik Derneği 33. Uluslararası Fizik Kongresi, 6 - 10 September 2017

XIV. Investigation of relationship between Free volume and Ionic conductivity of pvpdf-co-hfp with Ionic liquid

YAHŞI U., TAV C., ERDEMCİ TANDOĞAN G., çoşkun b., DELİGÖZ H., yılmaztürk s., YILMAZOĞLU M., ULUTAŞ H. K., DEĞER D., Şahin Y.

The International Joint Science Congress of Materials Polymer, 25 - 28 August 2017

XV. Analysis of Positron Lifetime Spectra Using Bayesian Inference

ÜSTÜNDAĞ D., CEVRİ M., YAHŞI U.

The 2nd IET International Conference on Intelligent Signal Processing (ISP) 2015, London, Canada, 1 - 02 December 2015, pp.1-6

Supported Projects

Tav C., Uzun H., Yumak Yahşi A., Yahşi U., Project Supported by Higher Education Institutions, Investigation of Void Structure of PAMAM Dendrimers using Positron Annihilation Lifetime Spectroscopy, 2018 - 2021

Dumludağ F., Yahşi U., Altun Z., Aktaş Ş., Esmer K., Tav C., Özdemir M., Akkoyunlu B. O., Yumak Yahşi A., Alevli M., et al., Project Supported by Higher Education Institutions, İleri Modern Fizik Laboratuvarı (FEN-E-120613-0265), 2013 - 2017

Activities in Scientific Journals

International journal of advances in engineering and pure sciences (Online), Committee Member, 2018 - Continues

International journal of advances in engineering and pure sciences (Online), First Editor, 2014 - 2017

Metrics

Publication: 63

Citation (WoS): 259

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Scholarships

PhD Scholarship, Ministry of Education, 1988 - 1994

MSc. Scholarship, Ministry of Education, 1987 - 1988

Non Academic Experience

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