

## Asst. Prof. ŞAHİN COŞKUN

### Personal Information

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Türkiye

### International Researcher IDs

ORCID: 0000-0002-9464-3132

Publons / Web Of Science ResearcherID: J-7978-2013

Yoksis Researcher ID: 142798

### Education Information

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Metalurji Ve Malzeme Mühendisliği (Dr), Turkey 2012 - 2018

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Metalurji Ve Malzeme Mühendisliği (YI) (Tezli), Turkey 2008 - 2012

Undergraduate, Gazi University, Teknik Eğitim Fakültesi, Metal Eğitimi Bölümü, Turkey 2003 - 2007

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Applications of silver nanowire networks in opto-electronic devices, Middle East Technical University, Görme Engelliler Eğitimi Abd, Metalurji Ve Malzeme Mühendisliği (Dr), 2018

Postgraduate, Synthesis of silver nanowires through polyol process, Middle East Technical University, Görme Engelliler Eğitimi Abd, Metalurji Ve Malzeme Mühendisliği (YI) (Tezli), 2012

### Research Areas

Optical Properties, Nanomaterials, Engineering and Technology

### Academic Titles / Tasks

Assistant Professor, Eskişehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, METALURJİ VE MALZEME MÜHENDİSLİĞİ BÖLÜMÜ, 2019 - Continues

Research Assistant, Erzincan Binali Yildirim University, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2018 - 2018

Research Assistant, Middle East Technical University, Faculty Of Engineering, Department Of Metallurgical And Materials

Engineering, 2008 - 2018

## Academic and Administrative Experience

Deputy Head of Department, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, METALURJİ VE MALZEME MÜHENDİSLİĞİ BÖLÜMÜ, 2023 - 2023

Director of the Center, Eskisehir Osmangazi University, REKTÖRLÜK, Teknoloji Transfer Ofisi Uygulama ve Araştırma Merkezi (ETTOM), 2019 - 2022

## Courses

Nanomalzemeler, Undergraduate, 2023 - 2024

Malzemelerin Fiziksel Özellikleri, Postgraduate, 2021 - 2022

MİKRO-NANO ÜRETİM ARAŞTIRMALARI, Undergraduate, 2020 - 2021, 2019 - 2020

Engineering Materials, Undergraduate, 2021 - 2022

Engineering Materials, Undergraduate, 2021 - 2022

NANO-ÜRETİM TEKNİKLERİ, Postgraduate, 2020 - 2021, 2019 - 2020

MÜHENDİSLİK MATEMATİĞİ, Undergraduate, 2019 - 2020

MALZEMELERİN MEKANİK ÖZELLİKLERİ, Undergraduate, 2020 - 2021

MEKANİK METALURJİ, Undergraduate, 2020 - 2021

MÜHENDİSLİK MEKANİĞİ, Undergraduate, 2017 - 2018

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Post-treatment optimization for silver nanowire networks in transparent droplet-based TENG sensors**  
Cakir O., DOĞANAY D., Cugunlular M., Cicek M. O., DEMİRCİOĞLU O., COŞKUN Ş., ÜNALAN H. E.  
Nano Energy, vol.128, 2024 (SCI-Expanded)
- II. **Synthesis of N-Doped Graphene Photo-Catalyst for Photo-Assisted Charging of Li-Ion Oxygen Battery**  
Kaçar N., LÖKÇÜ E., ÇAYIRLI M., ÖZDEN R. C., COŞKUN Ş., TOPARLI Ç., ÇELİKYÜREK İ., ANIK M.  
Global Challenges, vol.8, no.1, 2024 (SCI-Expanded)
- III. **Fabric based wearable triboelectric nanogenerators for human machine interface**  
DOĞANAY D., ÇİÇEK M. Ö., DURUKAN M. B., Altuntas B., Agbahca E., COŞKUN Ş., ÜNALAN H. E.  
Nano Energy, vol.89, 2021 (SCI-Expanded)
- IV. **Bulk Nanostructured Metal from Multiply-Twinned Nanowires**  
Prestowitz L. C. O., COŞKUN Ş., Hu X., Dunand D. C., Huang J.  
Nano Letters, vol.21, pp.5627-5632, 2021 (SCI-Expanded)
- V. **Advances in protective layer-coating on metal nanowires with enhanced stability and their applications**  
Bang J., COŞKUN Ş., Pyun K. R., DOĞANAY D., Tunca S., KOYLAN S., Kim D., ÜNALAN H. E., Ko S. H.  
Applied Materials Today, vol.22, 2021 (SCI-Expanded)
- VI. **A Point-of-Use (POU) Water Disinfection: Silver Nanowire Decorated Glass Fiber Filters**  
Bahcelioglu E., DOĞANAY D., COŞKUN Ş., ÜNALAN H. E., BAYRAMOĞLU T. H.  
JOURNAL OF WATER PROCESS ENGINEERING, vol.38, 2020 (SCI-Expanded)
- VII. **Flexible nanofiber based triboelectric nanogenerators with high power conversion**  
YAR A., Karabiber A., Ozen A., ÖZEL F., COŞKUN Ş.  
RENEWABLE ENERGY, vol.162, pp.1428-1437, 2020 (SCI-Expanded)
- VIII. **All-Solution-Processed, Oxidation-Resistant Copper Nanowire Networks for Optoelectronic**

### **Applications with Year-Long Stability**

Genlik S. P., Tigan D., Kocak Y., Ercan K. E., ÇİÇEK M. Ö., Tunca S., KOYLAN S., COŞKUN Ş., ÖZENSOY E., ÜNALAN H. E.  
ACS APPLIED MATERIALS & INTERFACES, vol.12, no.40, pp.45136-45144, 2020 (SCI-Expanded)

- IX. **3D printed antibacterial silver nanowire/poly lactide nanocomposites**  
Bayraktar I., DOĞANAY D., COŞKUN Ş., KAYNAK C., AKCA G., ÜNALAN H. E.  
COMPOSITES PART B-ENGINEERING, vol.172, pp.671-678, 2019 (SCI-Expanded)
- X. **Silver-nanowire-modified fabrics for wide-spectrum antimicrobial applications**  
Doganay Y., Kanicioglu A., COŞKUN Ş., Akca G., ÜNALAN H. E.  
JOURNAL OF MATERIALS RESEARCH, vol.34, no.4, pp.500-509, 2019 (SCI-Expanded)
- XI. **Opto-thermoelectric nanotweezers**  
Lin L., Wang M., Peng X., Lissek E. N., Mao Z., Scarabelli L., Adkins E., COŞKUN Ş., ÜNALAN H. E., Korgel B. A., et al.  
NATURE PHOTONICS, vol.12, no.4, pp.195-202, 2018 (SCI-Expanded)
- XII. **Heat transfer enhancement by silver nanowire suspensions in microchannel heat sinks**  
Simsek E., COŞKUN Ş., Okutucu Özyurt H. T., ÜNALAN H. E.  
INTERNATIONAL JOURNAL OF THERMAL SCIENCES, vol.123, pp.1-13, 2018 (SCI-Expanded)
- XIII. **Genotoxicity study of high aspect ratio silver nanowires**  
Charehsaz M., COŞKUN Ş., ÜNALAN H. E., REIS R., Helvacioğlu S., Giri A. K., Aydin A.  
TOXICOLOGICAL AND ENVIRONMENTAL CHEMISTRY, vol.99, no.5-6, pp.837-847, 2017 (SCI-Expanded)
- XIV. **Metal oxide surfaces for enhanced colorimetric response in bioassays**  
Bonyi E., Kukoyi Z., Daodu O., Boone-Kukoyi Z., COŞKUN Ş., ÜNALAN H. E., Asian K.  
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.154, pp.331-340, 2017 (SCI-Expanded)
- XV. **Suppressed Hysteretic Field Emission From Polymer Encapsulated Silver Nanowires**  
Cole M. T., COŞKUN Ş., Parmee R. J., Hiralal P., Cepek C., Robertson A. W., Li C., Dai Q., Warner J. H., Milne W. I., et al.  
IEEE TRANSACTIONS ON NANOTECHNOLOGY, vol.16, no.1, pp.11-15, 2017 (SCI-Expanded)
- XVI. **Silver Nanowire/Conducting Polymer Nanocomposite Electrochromic Supercapacitor Electrodes**  
YÜKSEL R., Coskun Ş., Gunbas G., ÇIRPAN A., TOPPARE L. K., ÜNALAN H. E.  
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.164, no.4, 2017 (SCI-Expanded)
- XVII. **Sequential Deposition of Electrochromic MoO<sub>3</sub> Thin Films with High Coloration Efficiency and Stability**  
Turel O., Hacıoğlu S. O., COŞKUN Ş., TOPPARE L. K., ÜNALAN H. E.  
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.164, no.14, 2017 (SCI-Expanded)
- XVIII. **Flexible, silver nanowire network nickel hydroxide core-shell electrodes for supercapacitors**  
YÜKSEL R., Coskun Ş., KALAY Y. E., ÜNALAN H. E.  
JOURNAL OF POWER SOURCES, pp.167-173, 2016 (SCI-Expanded)
- XIX. **High-performance, bare silver nanowire network transparent heaters**  
Ergun O., COŞKUN Ş., Yusufoglu Y., ÜNALAN H. E.  
NANOTECHNOLOGY, vol.27, no.44, 2016 (SCI-Expanded)
- XX. **Silver nanowire decorated heatable textiles**  
DOĞANAY D., COŞKUN Ş., Genlik S. P., ÜNALAN H. E.  
NANOTECHNOLOGY, vol.27, no.43, 2016 (SCI-Expanded)
- XXI. **Electrical, mechanical and thermal properties of aligned silver nanowire/poly lactide nanocomposite films**  
DOĞANAY D., COŞKUN Ş., KAYNAK C., ÜNALAN H. E.  
COMPOSITES PART B-ENGINEERING, vol.99, pp.288-296, 2016 (SCI-Expanded)
- XXII. **An effective surface design based on a conjugated polymer and silver nanowires for the detection of paraoxon in tap water and milk**  
Turan J., Kesik M., Soylemez S., Goker S., COŞKUN Ş., ÜNALAN H. E., TOPPARE L. K.  
SENSORS AND ACTUATORS B-CHEMICAL, vol.228, pp.278-286, 2016 (SCI-Expanded)
- XXIII. **Coaxial silver nanowire network core molybdenum oxide shell supercapacitor electrodes**  
Yüksel R., Coşkun Ş., Ünalalan H. E.  
Electrochimica Acta, vol.193, pp.39-44, 2016 (SCI-Expanded)

- XXIV. **Enhanced second harmonic generation from coupled asymmetric plasmonic metal nanostructures**  
Yildiz B. C., TAŞGIN M. E., Abak M. K., COŞKUN Ş., ÜNALAN H. E., BEK A.  
JOURNAL OF OPTICS, vol.17, no.12, 2015 (SCI-Expanded)
- XXV. **Metal-Enhanced Fluorescence from Silver Nanowires with High Aspect Ratio on Glass Slides for Biosensing Applications**  
Abel B., COŞKUN Ş., Mohammed M., Williams R., ÜNALAN H. E., Aslan K.  
JOURNAL OF PHYSICAL CHEMISTRY C, vol.119, no.1, pp.675-684, 2015 (SCI-Expanded)
- XXVI. **Silicon nanowire network metal-semiconductor-metal photodetectors**  
Mulazimoglu E., COŞKUN Ş., Gunoven M., Butun B., Ozbay E., TURAN R., ÜNALAN H. E.  
APPLIED PHYSICS LETTERS, vol.103, no.8, 2013 (SCI-Expanded)
- XXVII. **Optimization of silver nanowire networks for polymer light emitting diode electrodes**  
COŞKUN Ş., Ates E. S., ÜNALAN H. E.  
NANOTECHNOLOGY, vol.24, no.12, 2013 (SCI-Expanded)
- XXVIII. **Gold nanowires with high aspect ratio and morphological purity: Synthesis, characterization, and evaluation of parameters**  
Dertli E., COŞKUN Ş., NALBANT E.  
JOURNAL OF MATERIALS RESEARCH, vol.28, no.2, pp.250-260, 2013 (SCI-Expanded)
- XXIX. **All solution processed, nanowire enhanced ultraviolet photodetectors**  
Afal A., COŞKUN Ş., ÜNALAN H. E.  
APPLIED PHYSICS LETTERS, vol.102, no.4, 2013 (SCI-Expanded)
- XXX. **Transparent, highly flexible, all nanowire network germanium photodetectors**  
Aksoy B., COŞKUN Ş., Kucukyildiz S., ÜNALAN H. E.  
NANOTECHNOLOGY, vol.23, no.32, 2012 (SCI-Expanded)
- XXXI. **Polyol Synthesis of Silver Nanowires: An Extensive Parametric Study**  
Coskun Ş., Aksoy B., ÜNALAN H. E.  
CRYSTAL GROWTH & DESIGN, vol.11, no.11, pp.4963-4969, 2011 (SCI-Expanded)

## Books & Book Chapters

- I. **Polimerlerin Savunma ve Havacılık Alanında Kullanımı**  
COŞKUN Ş., DEMİRCAN Ö.  
in: Polimerler: Özellikleri ve Uygulamaları, Hüseyin Avcı, Editor, Eskişehir Osmangazi Üniversitesi Yayınevi, Eskişehir, pp.275-288, 2021

## Refereed Congress / Symposium Publications in Proceedings

- I. **Synthesis of Double Transition Metal (Ti<sub>2</sub>Nb)AlC<sub>2</sub> MAX Phase and Its Derivative (Ti<sub>2</sub>Nb)C<sub>2</sub>T<sub>x</sub> MXene**  
Tuzluca Yeşilbağ F. N., Yeşilbağ Y. Ö., Coşkun Ş., Yüksel R., Ertuğrul M.  
NANOTR-16 (16th Nanoscience and Nanotechnology Conference), Ankara, Turkey, 5 - 08 September 2022
- II. **Synthesis of Transition Metal Fe<sub>2</sub>AlB<sub>2</sub> MAB Phase via High-Temperature Sintering Method**  
Tuzluca Yeşilbağ F. N., Yeşilbağ Y. Ö., Coşkun Ş., Yüksel R., Ertuğrul M.  
NANOTR-16 (16th Nanoscience and Nanotechnology Conference), Ankara, Turkey, 5 - 08 September 2022
- III. **KÂĞIT YÜZEYİNDE FLORESAN ÖZELLİK: FTALOSİYANİN BİLEŞİĞİNİN NANOTELLERLE ETKİLEŞİMİ**  
CABİR B., COŞKUN Ş., AĞIRTAŞ M. S.  
5. ULUSLARARASI BİLİMSEL ÇALIŞMALAR KONGRESİ, Turkey, 15 March 2021
- IV. **Multifunctional, flexible, and free-standing SERS-active AgNW filter foils**  
Demirtaş Ö., Akdemir O., COŞKUN Ş., ÜNALAN H. E., BEK A.  
SPIE Nanophotonics VIII, Online Only, France, 6 - 10 April 2020
- V. **Silver Nanowire Based Transparent Electrodes and Heaters**

COŞKUN Ş., DOĞANAY D., ÜNALAN H. E.

ISASE 2018, 26 November 2018 - 28 December 2019

- VI. **Nanowire Modified Antibacterial Fabric**  
DOĞANAY D., Kamcıoğlu A., COŞKUN Ş., Akça G., ÜNALAN H. E.  
IMMC 2018, İstanbul, Turkey, 25 - 27 October 2018
- VII. **Silver Nanowire Networks as Supercapacitor Electrodes**  
YÜKSEL R., COŞKUN Ş., ÜNALAN H. E.  
7TH INTERNATIONAL SYMPOSIUM ON TRANSPARENT CONDUCTIVE MATERIALS, 14 - 19 October 2018
- VIII. **Copper Nanowire Based Transparent Electrodes with Improved Oxidation Stability**  
POLAT GENLİK S., tigan d., COŞKUN Ş., ÜNALAN H. E.  
MRS Fall Meeting 2017, 26 November 2017
- IX. **3D Printed Antibacterial Ag NW/PLA Nanocomposites**  
bayraktar i., DOĞANAY D., COŞKUN Ş., kanicioglu a., akça g., ÜNALAN H. E.  
MRS Fall Meeting 2017, 26 November 2017
- X. **Antibacterial Silver Nanowire-Chitosan Nanocomposite Films**  
DOĞANAY D., Somek K., Aydın D., Kanicioglu A., COŞKUN Ş., akça g., ÜNALAN H. E.  
MRS Fall meeting 2017, 26 November 2017
- XI. **Silver Nanowires for Supercapacitor Electrodes**  
YÜKSEL R., COŞKUN Ş., ÜNALAN H. E.  
MRS Fall Meeting 2017, 26 November 2017
- XII. **Silver Nanowire Heaters on Glass and Textiles**  
COŞKUN Ş., Ergün O., DOĞANAY D., POLAT GENLİK S., yusufoğlu y., ÜNALAN H. E.  
TMS 2017 146th Annual Meeting and Exhibition, 26 February 2017
- XIII. **Silver Nanowire Decorated Antibacterial Fabrics**  
DOĞANAY D., kanicioglu a., COŞKUN Ş., akça g., ÜNALAN H. E.  
MRS Fall Meeting 2017, 26 November 2017
- XIV. **Silver Nanowires Heaters on Glass and Textiles**  
COŞKUN Ş., Ergun O., DOĞANAY D., POLAT GENLİK S., Yusufoğlu Y., ÜNALAN H. E.  
TMS 2017 146th Annual Meeting Exhibition, 19 February - 02 March 2017
- XV. **Stability and Opto Electronic Properties of Nickel Oxide Silver Nanowire Nanocomposite Electrodes**  
COŞKUN Ş., ÜNALAN H. E., Huang J.  
MRS Fall' 2016 USA, 27 December 2016
- XVI. **Flexible Silver Nanowire Networks for High Frequency Shielding**  
Alpuğan E., COŞKUN Ş., DERİCİOĞLU A. F., ÜNALAN H. E.  
MRS Fall' 2016 USA, 27 December 2016
- XVII. **Characterization of Silver Nanowire modified Textile Heaters**  
DOĞANAY D., COŞKUN Ş., POLAT GENLİK S., ÜNALAN H. E.  
IMMC 2016, 29 September - 01 October 2016
- XVIII. **Silver Nanowire Nickel Hydroxide Nanocomposites for Pseudocapacitors**  
YÜKSEL R., COŞKUN Ş., ÜNALAN H. E.  
IMMC 2016, İstanbul, Turkey, 29 September - 01 October 2016
- XIX. **Toxicological Evaluation of High Aspect Ratio Silver Nanowires**  
CHAREH SAZ M., COŞKUN Ş., ÜNALAN H. E., REİS R., helvacioğlu s., AYDIN A.  
12th International Nanoscience and Nanotechnology Conference, 3 - 05 June 2016
- XX. **Silver Nanowire Coated Heatable Textiles**  
DOĞANAY D., COŞKUN Ş., POLAT GENLİK S., ÜNALAN H. E.  
7th European Conference on Protective Clothing, 23 - 25 May 2016
- XXI. **Silver Nanowire Networks as Transparent Top electrodes for Single Crystalline Silicon Solar Cells**  
Aurang P., DOĞANAY D., COŞKUN Ş., ES F., TURAN R., ÜNALAN H. E.  
E-MRS 2016 Spring Meeting, 2 - 06 May 2016
- XXII. **Silver nanowire polylactide Nanocomposite conducting films**

- DOĞANAY D., COŞKUN Ş., KAYNAK C., ÜNALAN H. E.  
TMS Meeting' 2016 USA, 15 February 2016
- XXIII. **Silver nanowire networks for flexible electromagnetic interface shields**  
Alpuğan E., COŞKUN Ş., DERİCİOĞLU A. F., ÜNALAN H. E.  
TMS Meeting' 2016 USA, 16 February 2016
- XXIV. **Metal enhanced fluorescence from silver nanowires with high aspect ratio on plana surfaces for biosensing applications**  
COŞKUN Ş., ÜNALAN H. E., Aslan K., Bielebe A., Enock B.  
PASIFICHEM' 2015 USA, 15 - 20 December 2015
- XXV. **A Comparative Analysis of Silver Nanowire Network Indium Tin Oxide and Traditional Metal Contacts for Nitride Light Emitting Diodes RR7 04**  
İMER M. B., DOĞANAY D., COŞKUN Ş., ÜNALAN H. E.  
MRS Fall 2015, USA, 29 November - 04 December 2015
- XXVI. **Silver Nanowire Molybdenum Oxide Nanocomposites For Supercapacitors**  
YÜKSEL R., COŞKUN Ş., ÜNALAN H. E.  
Material Research Society Fall Meeting, 29 November - 04 December 2015
- XXVII. **Optoelectronic Properties Of Nickel Oxide Thin Films Elaborated by Sol Gel GG 7 05**  
Ekim Büşra S., COŞKUN Ş., ÜNALAN H. E., DURUCAN C.  
MRS Fall' 2015 USA, 29 November - 04 December 2015
- XXVIII. **Silver Nanowire Molybdenum Oxide Nanocomposite Electrodes for Flexible Supercapacitors MM5 01**  
YÜKSEL R., COŞKUN Ş., DURUCAN C., ÜNALAN H. E.  
MRS Fall' 2015 USA, 29 November - 04 December 2015
- XXIX. **A Comparative Analysis of Silver Nanowire Network Indium Tin Oxide and Traditional Metal Contacts for Nitride Light Emitting Diodes**  
Açan M. B., COŞKUN Ş., ÜNALAN H. E., İMER M. B.  
Materials Research Society (MRS) 2015 Fall Meeting Exhibit, Boston, Symposium RR: Wide-Bandgap Materials for Energy Efficiency – Power Electronics and Solid State Lighting, Boston, United States Of America, 29 November - 04 December 2015
- XXX. **Electromagnetic Interface Shielding Behavior of Silver Nanowire Networks**  
alpugan e., COŞKUN Ş., DERİCİOĞLU A. F., ÜNALAN H. E.  
MRS Fall Meeting' 2015, United States Of America, 29 November - 04 December 2015
- XXXI. **Optoelectronic Properties Of Nickel Oxide Thin Films Elaborated by Sol Gel**  
saraç b. e., COŞKUN Ş., ÜNALAN H. E., DURUCAN C.  
MRS Fall Meeting' 2015, 29 November - 04 December 2015
- XXXII. **Silver Nanowire Molybdenum Oxide Nanocomposite Electrodes for Flexible Supercapacitors**  
YÜKSEL R., COŞKUN Ş., DURUCAN C., ÜNALAN H. E.  
MRS Fall Meeting' 2015, 29 November - 04 December 2015
- XXXIII. **Electromagnetic Interface Shielding Behavior of Silver Nanowire Networks P15 13**  
Ece A., COŞKUN Ş., DERİCİOĞLU A. F., ÜNALAN H. E.  
MRS Fall 2015, USA, 29 November - 04 December 2015
- XXXIV. **Electrical Properties of Silver Nanowire Polylactide Nanocomposite Films**  
DOĞANAY D., COŞKUN Ş., KAYNAK C., ÜNALAN H. E.  
MRS Fall 2015, USA, 29 November - 04 December 2015
- XXXV. **ELECTRICAL CONDUCTIVITY OF SILVERNANOWIRE POLYLACTIDE NANOCOMPOSITE FILMS**  
DOĞANAY D., COŞKUN Ş., KAYNAK C., ÜNALAN H. E.  
Uluslararası Katılımlı 3. Ege Kompozit Malzemeler Sempozyumu, Turkey, 5 - 07 November 2015
- XXXVI. **DALLANMIŞ ALTIN NANOPARÇACIKLARIN YÜZEY ÜZERİNDEBÜYÜTÜLMESİ S MA050 612**  
EVCİMEN N. İ., COŞKUN Ş., Duygu K., ÜNALAN H. E., NALBANT ESENTÜRK E.  
27. Ulusal Kimya Kongresi, Turkey, 23 - 28 August 2015
- XXXVII. **Coaxial Capacitors with ALD Deposited Alumina on Silver Nanowires 13**  
YÜKSEL R., COŞKUN Ş., Hamit E., Sağkal S., BIYIKLI N., ÜNALAN H. E.

ALD 2015, 28 June - 01 July 2015

- XXXVIII. **Silver Nanowire Molybdenum Oxide Nanocomposite Electrodes for Organic Light Emitting Diodes**  
COŞKUN Ş., Koçak G., ÇIRPAN A., ÜNALAN H. E.  
TMS Meeting 2015, 15 - 19 March 2015
- XXXIX. **Effects of Silver Nanowires on the Behavior of Polylactide Nanocomposite Films 206**  
DOĞANAY D., COŞKUN Ş., ÜNALAN H. E., KAYNAK C.  
TMS Meeting 2015, 15 - 19 March 2015
- XL. **Effects of Silver Nanowires on the Behavior of Polylactide Nanocomposite Films**  
DOĞANAY D., COŞKUN Ş., KAYNAK C., ÜNALAN H. E.  
TMS 2015 144th ANNUAL MEETING & EXHIBITION, 15 - 19 March 2015
- XLI. **Effects of Silver Nanowires on the Behavior of Polylactide Nanocomposite Films**  
DOĞANAY D., COŞKUN Ş., ÜNALAN H. E., KAYNAK C.  
TMS Meeting, 15 - 19 March 2015
- XLII. **Transparent and Conducting Silver Nanowire Thin Films**  
COŞKUN Ş., ÜNALAN H. E.  
EMRS Spring 2011 France, 9 - 13 May 2011
- XLIII. **Synthesis of Silver Nanowires and Determination of the Process Parameters,**  
COŞKUN Ş., ÜNALAN H. E.  
IMMC' 2010, 11 - 13 November 2010
- XLIV. **The Influence of Cooling at Various Cooling Rates from Intercritical Austenizing Temperatures on Microstructure and Mechanical Properties of Ductile Cast Iron**  
COŞKUN Ş., KILIÇLI V., ERDOĞAN M.  
IMMC'2008, 16 - 18 October 2008
- XLV. **Arakritik Östenitleme Sıcaklıklarından Farklı Hızlarda Soğutmanın Küresel Grafitli Dökme Demirin Mikroyapı ve Mekanik Özellikleri Üzerine Etkisi**  
COŞKUN Ş., KILIÇLI V., ERDOĞAN M.  
14. Uluslararası Metalurji ve Malzeme Kongresi (IMMC'2006), Turkey, 16 - 19 October 2006, pp.96-104

## Supported Projects

Tuzluca Yeşilbağ F. N., Yeşilbağ Y. Ö., Coşkun Ş., Yüksel R., TÜBİTAK Project, (Ti2Nb)C2 sıralı faz MXene ve Fe2B2, Mn2B2 MBene yapıların sentezi ve Hibrit SC-LIB uygulamalarının araştırılması, 2021 - 2025

ANIK M., DEMİR KIVRAK H., YÜKSEL R., COŞKUN Ş., LÖKÇÜ E., ÖZDEN R. C., Project Supported by Higher Education Institutions, Lityum İyon Oksijen Bataryanın FotoAkım Yardımlı Şarjı İçin Etkin FotoElektrotların Geliştirilmesi, 2022 - 2024

YÜKSEL R., COŞKUN Ş., YEŞİLEL O. Z., AYDOĞAN A., Project Supported by Higher Education Institutions, MOF-İki Boyutlu İletken Nanoyapılar ile Kompozit Kükürt Katot Üretimi, Karakterizasyonu ve Lityum-Sülfür Bataryalarda Kullanımı, 2021 - 2023

Özer H. İ., Coşkun Ş., Development Agency, Eskişehir Osmangazi Üniversitesi Girişimcilik Merkezi (TEKNOGİM), 2021 - 2023

Coşkun Ş., Ünalın H. E., Project Supported by Higher Education Institutions, GÜMÜŞ NANOTEL TEMELLİ ESNEK ŞEFFAF İSİTİCİ ÜRETİMİ, 2017 - 2017

## Metrics

Publication: 77  
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H-Index (Scopus): 14

## **Non Academic Experience**

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