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Biography

Onur GÜLER was born in 1989 in the Nazilli district of Aydın. He graduated from Nazilli High School in 2007. In 2008, he won the Department of Metallurgical and Materials Engineering at Karadeniz Technical University. Completing his undergraduate education in 2012, he started his graduate education at K.T.U. Institute of Science, Metallurgy and Materials Engineering Department in the same year. In November 2015, he was appointed as a Research Assistant to the 50/d staff of Karadeniz Technical University, Institute of Science and Technology, and he continues to work. He completed his master's degree in January 2016 and started his doctorate education in the same department in February 2016. He completed the doctorate degree in 2022 and continues the staff of Assistant Professor Doctor in same department.

Onur GÜLER is a detail-oriented Assist. Prof. Dr. with hands-on experience who does office and laboratory work to further his research goals. Supports team success with expertise in data review, reporting and sample processing. It specializes in [coating effects on material properties]. Demonstrates expertise in preparing resources, equipment, and materials for research. He has extensive background in researching Materials Tribology research. He is an academic personal skilled in various research techniques to gain knowledge on a variety of topics. He is familiar with the documentation requirements and takes an organized and precise approach to all projects. He is a competent academic staff with nearly 10 years of work experience. He is highly skilled at overseeing research office activities, recruiting talented support staff, and supervising students and staff. He is skilled in guiding all functions related to research work, analysis and reporting. Focused assist. prof. dr. currently holds a PhD in Materials Science Engineering. He specializes in literature searches and data synthesis and analysis. He is knowledgeable in creating efficient systems for organizing and managing experimental data. He is a research assistant with experience in conducting laboratory, library and field research. Has the ability to work in collaborative environments to collect and evaluate research data for a variety of projects. He is a detail-oriented Lab assistant with experience in high-volume output labs. Has the ability to maintain laboratory equipment. Demonstrates strong communication skills and the ability to work positively with scientific teams. In particular, it offers a stable trend in material characterization, powder metallurgy, electroless coatings, surface finishing treatments and copper-based with phase change materials reinforced composites.

Within the scope of the national goals of his country, by multiplying the experience I have gained from my undergraduate education to graduate, doctoral education and beyond; It is his main career goal to continue his duty as a faculty member specialized in his field, on the basis of merit, by making contributions to education, the institution I work for and his country within the scope of his field of work, in the way of lovingly transferring his knowledge and experience to future generations.

Education

- I. Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği, Turkey
2016 - 2022
- II. Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği, Turkey
2013 - 2015
- III. Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği, Turkey
2008 - 2012

Foreign Languages

- I. English, B2 Upper Intermediate

Certificates, Courses and Trainings

- I. Project Management, TÜBİTAK 2237-B MÜHENDİSLİK VE TEKNOLOJİK BİLİMLERDE UYGULAMALI PROJE YAZMA EĞİTİMİ / TÜBİTAK 2237-B APPLIED PROJECT WRITING TRAINING IN ENGINEERING AND TECHNOLOGICAL SCIENCES /, Karadeniz Technical University, 2018

Dissertations

- I. Doctorate, KATMANLI METALİK TOZLAR KULLANILARAK GELİŞTİRİLEN YENİ TÜR ELEKTRİK KONTAK MALZEMELERİNİN ÜRETİMİ VE KARAKTERİZASYONU, Karadeniz Technical University, Fen Bilimleri Enstitüsü, 2022
- II. Postgraduate, Production of ZA27 Based Composite Materials by Mechanical Alloying Method and Investigation of Tribological Properties, Karadeniz Technical University, Metalurji Ve Malzeme Mühendisliği, 2015

Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Testing and Control of Materials, Mechanical Properties, Chemical and Electrochemical Properties, Composites, Plating, Material Characterization, Metallic Materials, Nanomaterials, Surface Finishing Processes, Non-Ferrous Alloy Production, Electrolytic Coating, Non Metallic Materials Production, Powder Metallurgy, Engineering and Technology

Academic Positions

- I. Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği, 2023 - Continues
- II. Assistant Professor, Samsun University, Mühendislik Fakültesi, Makine Mühendisliği, 2023 - 2024
- III. Research Assistant PhD, Karadeniz Technical University, Fen Bilimleri Enstitüsü, -, 2023 - 2023
- IV. Research Assistant, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Metalurji ve Malzeme Mühendisliği, 2015 - 2022
- V. Other, Technische Universitaet Wien, Engineering Faculty, Materials Science, 2017 - 2017

Academic and Administrative Experience

- I. Deputy Head of Department, Karadeniz Technical University, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği, 2024 - Continues

Courses

I. Undergraduate

- I. Mühendislik Çizimi, Undergraduate, 2024 - 2025
- II. Girişimcilik, Undergraduate, 2024 - 2025

Jury Memberships

- I. Post Graduate, Post Graduate, Karadeniz Teknik Üniversitesi, December, 2024

Journal articles indexed in SCI, SSCI, and AHCI

- I. **Development of cutting tools with selective laser melting from electroless nickel-coated tungsten carbide powder material**
Ergüder T. O., Yıldız F., GÜLER O., Sevim M. İ., VAROL T.
International Journal of Refractory Metals and Hard Materials, vol.130, 2025 (SCI-Expanded)
- II. **Electrolytic Ni-P and Ni-P-Cu Coatings on PCM-Loaded Expanded Graphite for Enhanced Battery Thermal Management with Mechanical Properties**
GÜLER O., Yazıcı M. Y.
Materials, vol.18, no.1, 2025 (SCI-Expanded)
- III. **Impact of Cell Design Parameters on Mechanical Properties of 3D-Printed Cores for Carbon Epoxy Sandwich Composites**
ASLAN M., ÇAVA K., UŞUN A., GÜLER O.
Polymers, vol.17, no.1, 2025 (SCI-Expanded)
- IV. **Investigation of microstructural, hardness, and wear properties of AlCrCuFeNi high entropy alloys produced by hot-pressing with the enhancement of manufacturability through electroless Ag incorporation**
ÇELEBİ M., GÜLER O., KARABACAK A. H., ÇANAKÇI A., AKÇAY S. B., KOCAMAN M., ÇUVALCI H., VAROL T.
Tribology International, vol.201, 2025 (SCI-Expanded)
- V. **Effect of AlCrCuFeNi high entropy alloy reinforcements with and without B₄C on powder characteristic, mechanical and wear properties of AA5083 metal-metal composites**
KARABACAK A. H., ÇANAKÇI A., ÖZKAYA S., TUNÇ S. A., GÜLER O., ÇELEBİ M.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.1008, 2024 (SCI-Expanded)
- VI. **Sustainable polyurethane biocomposite foams by improved microstructure, acoustic characteristics, thermoregulation performance and reduced CO₂ emission through phase change material integration**
Gencil O., Aydoğmuş E., GÜLER O., Ustaoglu A., SARI A., HEKİMOĞLU G., Bozkurt A., Ozbakkaloglu T.
Journal of Energy Storage, vol.103, 2024 (SCI-Expanded)
- VII. **Effect of expandable graphite content on the physical, thermal and mechanical properties of novolac matrix composites: Halogen-free flame-retardant polymer composites**
Kocaman M., Akçay S. B., Güler O., Çuvalcı H., Varol T.
DIAMOND AND RELATED MATERIALS, vol.150, 2024 (SCI-Expanded)
- VIII. **Enhancing mechanical properties and tribological performance through boron carbide hybridization in Novolac matrix graphite composites under dry sliding condition**

Kocaman M., Akçay S. B., Güler O., Çuvalcı H., Varol T.

TRIBOLOGY INTERNATIONAL, vol.199, 2024 (SCI-Expanded)

- IX. **Biocomposite foams consisting of microencapsulated phase change materials for enhanced climatic regulation with reduced carbon dioxide emissions in buildings**
Gencel O., Aydoğmuş E., Güler O., Ustaoglu A., Sarı A., Hekimoğlu G., Subaşı S., Maraşlı M.
Construction and Building Materials, vol.448, 2024 (SCI-Expanded)
- X. **Comparative analysis of wear properties between electroless Ni-B coating and commercial ZnAl coating on 38Si7 steel used in railway system**
DURSUNLAR M., TAŞ Z., Akgül B., GÜLER O., ÇELEBİ M.
ENGINEERING SCIENCE AND TECHNOLOGY-AN INTERNATIONAL JOURNAL-JESTECH, vol.58, 2024 (SCI-Expanded)
- XI. **Synthesize and characterization of silver coated Ti powders from waste titanium chips by mechanical milling assisted electroless plating method**
Akçay S. B., Varol T., Güler O., Alver Ü.
Materials Chemistry and Physics, vol.323, 2024 (SCI-Expanded)
- XII. **Effect of the Ag coated ABS granules and hot-pressing temperature on the microstructure evolution and properties of novel Ag/ABS composites**
Akçay S. B., Kocaman M., Güler O., Ömür F. D., Varol T., Aslan M., Çava K.
Surfaces and Interfaces, vol.51, 2024 (SCI-Expanded)
- XIII. **Optimization of Dry Sliding Wear in Hot-Pressed Al/B₄C Metal Matrix Composites Using Taguchi Method and ANN**
Gajević S., Miladinović S., GÜLER O., ÖZKAYA S., Stojanović B.
MATERIALS, vol.17, no.16, 2024 (SCI-Expanded)
- XIV. **Determination of selective laser melting process parameters of tungsten carbide powders coated with nickel via electroless plating for improved interface properties**
Ergüder T. O., GÜLER O., Yıldız F.
International Journal of Refractory Metals and Hard Materials, vol.122, 2024 (SCI-Expanded)
- XV. **Production and assessment of UV-cured resin coated stearyl alcohol/expanded graphite as novel shape-stable composite phase change material for thermal energy storage**
Güler O., Er Y., Hekimoğlu G., Ustaoglu A., Sarı A., Subaşı S., Maraşlı M., Gencel O.
Applied Thermal Engineering, vol.247, 2024 (SCI-Expanded)
- XVI. **Fabrication of mechanical durable novolac matrix composites with recycled and cost-effective candle-soot nano particles**
Kocaman M., Güler O., Çuvalcı H., Akçay S. B.
JOURNAL OF REINFORCED PLASTICS AND COMPOSITES, 2024 (SCI-Expanded)
- XVII. **Enhancing sustainability with waste hemp-shive and phase change material: Novel gypsum-based composites with advanced thermal energy storage properties**
Gencel O., GÜLER O., Ustaoglu A., Erdoğmuş E., SARI A., HEKİMOĞLU G., BOZTOPRAK Y., Subaşı S.
Journal of Cleaner Production, vol.451, 2024 (SCI-Expanded)
- XVIII. **Pre-hardening water quenching effect on the wear resistance of TiCN coated 4140 steels**
YALÇIN E. D., GÜLER O., KARABACAK A. H., ÇANAKÇI A., VAROL T., KOCAMAN M., ÇELEBİ M., AKÇAY S. B.
SURFACE & COATINGS TECHNOLOGY, vol.480, 2024 (SCI-Expanded)
- XIX. **Novel integration of recycled-hemihydrate phosphogypsum and ethyl palmitate in composite phase change material for building thermal regulation**
Kocyiğit Ş., GÜLER O., HEKİMOĞLU G., Ustaoglu A., Erdoğmuş E., SARI A., Gencel O., Ozbakkaloglu T.
Journal of Cleaner Production, vol.445, 2024 (SCI-Expanded)
- XX. **Surface modification for improving interfacial, mechanical and thermal performance characteristics in epoxy composites: Electroless nickel enhancement of dendritic copper particle-reinforced epoxy**
Akçay S. B., Kocaman M., Çelebi M., Güler O., Varol T.
Surface and Coatings Technology, vol.478, 2024 (SCI-Expanded)
- XXI. **Characterisation and energy storage performance of 3D printed-photocurable resin/microencapsulated phase change material composite**

- Er Y., GÜLER O., Ustaoglu A., HEKİMOĞLU G., SARI A., Subaşı S., Gencel O., Maraşlı M.
Thermal Science and Engineering Progress, vol.48, 2024 (SCI-Expanded)
- XXII. **Evolution of Morphology, Particle Size and Oxidation Resistance of Recycled Ti-6Al-4V Powders Prepared by Planetary Ball Milling**
VAROL T., Ömür F. D., AKÇAY S. B., GÜLER O., ERDEMİR F.
Arabian Journal for Science and Engineering, 2024 (SCI-Expanded)
- XXIII. **Thermophysical properties and solar thermal energy storage performance of phase change composites manufactured by vat photopolymerization 3D printing technique**
Er Y., Güler O., Hekimoğlu G., Nodehi M., Ustaoglu A., Sarı A., Gencel O., Ozbakkaloglu T.
JOURNAL OF ENERGY STORAGE, vol.73, 2023 (SCI-Expanded)
- XXIV. **A study on the improvement of wear and corrosion properties of ZA40/Graphene/B4C hybrid nanocomposites**
Çelebi M., Çanakçı A., Güler O., Karabacak H., Akgül B., Özkaya S.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.966, 2023 (SCI-Expanded)
- XXV. **The effect of recycled zinc powder content on the properties of novel novolac matrix hybrid composites**
Kocaman M., Akçay S. B., Güler O., Çuvalcı H., Varol T., Çuvalcı O.
TRIBOLOGY INTERNATIONAL, vol.188, 2023 (SCI-Expanded)
- XXVI. **The effect of candle-soot reinforced electroless Ni-P particle interface on tribological performance in copper-based materials produced by flake powder metallurgy method: Transfer of candle-soot from waste to solid-lubricant**
Güler O.
COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, vol.673, 2023 (SCI-Expanded)
- XXVII. **The effect of advanced electrodeposited Ni-P-Cu coatings obtained with scrap cu plates on the tribological performance of Al powder metallurgy products**
Güler O., Çelebi M., Karabacak A. H., Çanakçı A.
SURFACE & COATINGS TECHNOLOGY, vol.468, 2023 (SCI-Expanded)
- XXVIII. **Study on Effect of Milling Time on the Mechanical and Wear Properties of the ZA40-B4C-Graphene Hybrid Nanocomposites Fabricated by Vacuum Hot-Pressing**
Çelebi M., Çanakçı A., Güler O., Akgül B., Karabacak A. H.
JOM, vol.75, no.9, pp.3935-3950, 2023 (SCI-Expanded)
- XXIX. **Effect of ball mill time and wet pre-milling on the fabrication of Ti powders by recycling Ti machining chips by planetary milling**
Çuvalcı O., Varol T., Akçay S. B., Güler O., Çanakçı A.
POWDER TECHNOLOGY, vol.426, 2023 (SCI-Expanded)
- XXX. **Production of Al2024/h-BN nanocomposites with improved corrosion, wear and mechanical properties**
Karabacak A. H., Çanakçı A., Çelebi M., Güler O., Tunç S. A., Arpacı K. A.
Materials Chemistry and Physics, vol.300, 2023 (SCI-Expanded)
- XXXI. **The evolution of microstructure and properties of Cu-Cr alloys synthesized via flake powder metallurgy assisted by mechanical alloying and hot pressing**
VAROL T., GÜLER O., AKÇAY S. B., ÇOLAK H.
MATERIALS TODAY COMMUNICATIONS, vol.33, 2022 (SCI-Expanded)
- XXXII. **Structure and tribological properties of composites based on a Novolac matrix with Ni-P electrolytic coating**
Güler O., Kocaman M., Akçay S. B., Çuvalcı H., Varol T.
SURFACE & COATINGS TECHNOLOGY, vol.451, 2022 (SCI-Expanded)
- XXXIII. **Investigation of Microstructure, Hardness and Wear Properties of Hybrid Nanocomposites with Al2024 Matrix and Low Contents of B4C and h-BN Nanoparticles Produced by Mechanical Milling Assisted Hot Pressing**
ÇELEBİ M., ÇANAKÇI A., GÜLER O., ÖZKAYA S., KARABACAK A. H., Arpacı K. A.

JOM, vol.74, no.11, pp.4449-4461, 2022 (SCI-Expanded)

XXXIV. Novel Flame-retarded Novolac Matrix Hybrid Composites with Graphite Particles and Glass Fiber Reinforcement

KOCAMAN M., ÇUVALCI H., GÜLER O.

FIBERS AND POLYMERS, vol.23, no.7, pp.2017-2029, 2022 (SCI-Expanded)

XXXV. Effects of fabrication parameters and post-processing treatments on the mechanical and tribological behavior of surface-enhanced copper based materials by selective laser melting

Aksa H. C., Hacısalihoğlu İ., Yıldız F., VAROL T., GÜLER O., Kaya G., AKÇAY S. B.

JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.304, 2022 (SCI-Expanded)

XXXVI. Enhancement of electrical and thermal conductivity of low-cost novel Cu-Ag alloys prepared by hot-pressing and electroless plating from recycled electrolytic copper powders

VAROL T., GÜLER O., AKÇAY S. B., Çuvalcı O.

MATERIALS CHEMISTRY AND PHYSICS, 2022 (SCI-Expanded)

XXXVII. Novel advanced copper-silver materials produced from recycled dendritic copper powders using electroless coating and hot pressing

Varol T., Güler O., Akçay S. B., Aksa H. C.

Powder Metallurgy, vol.65, no.5, pp.390-402, 2022 (SCI-Expanded)

XXXVIII. Electroless nickel-phosphorus coated expanded graphite paper: Binder-free, ultra-thin, and low-cost electrodes for high-performance supercapacitors

ERDEMİR F., GÜLER O., Canakc A.

JOURNAL OF ENERGY STORAGE, vol.44, 2021 (SCI-Expanded)

XXXIX. The effect of nanoparticle content on the microstructure and mechanical properties of ZA27-Al2O3-Gr hybrid nanocomposites produced by powder metallurgy

ÇELEBİ M., GÜLER O., ÇANAKÇI A., ÇUVALCI H.

JOURNAL OF COMPOSITE MATERIALS, vol.55, no.24, pp.3395-3408, 2021 (SCI-Expanded)

XL. The wear and arc erosion behavior of novel copper based functionally graded electrical contact materials fabricated by hot pressing assisted electroless plating

GÜLER O., VAROL T., ALVER Ü., BIYIK S.

Advanced Powder Technology, vol.32, pp.2873-2890, 2021 (SCI-Expanded)

XLI. The Effect of Selective Laser Melting Process on the Microstructure, Density, and Electrical Conductivity of Silver-Coated Copper Cores

VAROL T., Hacısalihoğlu İ., Kaya G., GÜLER O., Yıldız F., Aksa H. C., Akçay S. B.

Journal of Materials Engineering and Performance, vol.30, no.7, pp.5216-5226, 2021 (SCI-Expanded)

XLII. Microstructure and wear characterization of Al2O3 reinforced silver coated copper matrix composites by electroless plating and hot pressing methods

GÜLER O., VAROL T., ALVER Ü., Kaya G., Yıldız F.

Materials Today Communications, vol.27, 2021 (SCI-Expanded)

XLIII. The effect of silver coated copper particle content on the properties of novel Cu-Ag alloys prepared by hot pressing method

VAROL T., GÜLER O., Akçay S. B., Aksa H. C.

Powder Technology, vol.384, pp.236-246, 2021 (SCI-Expanded)

XLIV. Effect of TiN, TiAlCN, AlCrN, and AlTiN ceramic coatings on corrosion behavior of tungsten carbide tool

Bilgin S., Güler O., Alver Ü., Erdemir F., Aslan M., Çanakçı A.

JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.57, no.1, pp.263-273, 2021 (SCI-Expanded)

XLV. Effect of Al2O3 content and milling time on the properties of silver coated Cu matrix composites fabricated by electroless plating and hot pressing

Güler O., Varol T., Alver E., Çanakçı A.

MATERIALS TODAY COMMUNICATIONS, vol.24, 2020 (SCI-Expanded)

XLVI. Fabrication and characterization of novel layered materials produced by electroless plating and hot pressing

Güler O., Alver Ü., Varol T.

JOURNAL OF ALLOYS AND COMPOUNDS, vol.835, 2020 (SCI-Expanded)

XLVII. Novel ZA27/B4C/Graphite Hybrid Nanocomposite-Bearing Materials with Enhanced Wear and Corrosion Resistance

GÜLER O., ÇELEBİ M., Dalmış R., ÇANAKÇI A., ÇUVALCI H.

METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE, vol.51, no.9, pp.4632-4646, 2020 (SCI-Expanded)

XLVIII. Effect of nano alumina content on corrosion behavior and microstructure of Za27/graphite/alumina hybrid nanocomposites

GÜLER O., ERDEMİR F., ÇELEBİ M., Cuvalc H., Canak A.

RESULTS IN PHYSICS, vol.15, 2019 (SCI-Expanded)

XLIX. Optical and Dielectric Properties of PMMA/ α -Fe₂O₃-ZnO Nanocomposite Films

ALVER Ü., TASCIOGLU M. E., GÜLER O., ASLAN M., YAZGAN A., KAYA H., DURAN C., ÇUVALCI H., Bilgin S.

JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, no.5, pp.1514-1522, 2019 (SCI-Expanded)

L. The effect of flake-like morphology on the coating properties of silver coated copper particles fabricated by electroless plating

GÜLER O., VAROL T., ALVER Ü., ÇANAKÇI A.

JOURNAL OF ALLOYS AND COMPOUNDS, vol.782, pp.679-688, 2019 (SCI-Expanded)

LI. The Effect of Mechanical Milling on Graphite-Boron Carbide Hybrid Reinforced ZA27 Nanocomposites

Dalmis R., ÇUVALCI H., ÇANAKÇI A., GÜLER O., Celik E.

ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.43, no.3, pp.1113-1124, 2018 (SCI-Expanded)

LII. Tribological behavior of ZA27/Al₂O₃/graphite hybrid nanocomposites

GÜLER O., ÇUVALCI H., GÖKDAĞ M., ÇANAKÇI A., ÇELEBİ M.

PARTICULATE SCIENCE AND TECHNOLOGY, vol.36, no.7, pp.899-907, 2018 (SCI-Expanded)

LIIL. EFFECT OF FIBRE CONTENT ON THE MECHANICAL PROPERTIES OF BASALT FIBRE REINFORCED POLYLACTIC ACID (PLA) COMPOSITES

ASLAN M., KAYA M., GÜLER O., ALVER Ü.

TEKSTİL VE KONFEKSİYON, vol.28, no.1, pp.66-71, 2018 (SCI-Expanded)

LIV. Effect of nano-sized B4C addition on the mechanical properties of ZA27 composites

Dalmış R., ÇUVALCI H., CANAKCI A., GÜLER O.

JOURNAL OF WUHAN UNIVERSITY OF TECHNOLOGY-MATERIALS SCIENCE EDITION, vol.32, no.4, pp.747-752, 2017 (SCI-Expanded)

LV. THE EFFECT OF NANO GRAPHITE PARTICLE CONTENT ON THE WEAR BEHAVIOUR OF ZA27 BASED HYBRID COMPOSITES

Guler O., Cuvalci H., Canakci A., Celebi M.

ADVANCED COMPOSITES LETTERS, vol.26, no.2, pp.30-36, 2017 (SCI-Expanded)

LVI. INVESTIGATION OF GRAPHITE NANO PARTICLE ADDITION ON THE PHYSICAL AND MECHANICAL PROPERTIES OF ZA27 COMPOSITES

Dalmis R., Cuvalci H., Canakci A., Guler O.

ADVANCED COMPOSITES LETTERS, vol.25, no.2, pp.37-42, 2016 (SCI-Expanded)

Articles Published in Other Journals

I. Effect of electroless nickel plating time on the properties of novel dendritic copper-nickel alloy powders

Güler O.

Niğde Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.12, no.3, pp.1013-1020, 2023 (Peer-Reviewed Journal)

- II. **Yüksek Al₂O₃ Oranları ile Takviye Edilmiş Al-Cu-Mg Alaşımlarının Sıcak Pres Yöntemi ile Üretimi**
AKÇAY S. B., VAROL T., AKSA H. C., GÜLER O.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.11, no.1, pp.111-124, 2023 (Peer-Reviewed Journal)
- III. **The Effect of Mechanical Alloying Time on the Hardness and Electrical Conductivity Properties of Cu-Cr Alloys Produced by Hot Pressing Method**
Çolak H., Akçay S. B., Varol T., Güler O., Aksa H. C.
Karaelmas Fen ve Mühendislik Dergisi, vol.12, no.1, pp.47-58, 2022 (Peer-Reviewed Journal)
- IV. **Effect of Boron Carbide Reinforcement Amount on the Properties of Boron Carbide Reinforced Al Based Composites Bor Karbür Takviyeli Al Esaslı Kompozitlerin Özellikleri Üzerine Bor Karbür Takviye Miktarının Etkisi**
AKÇAY S. B., VAROL T., GÜLER O., AKSA H. C.
El-Cezeri Journal of Science and Engineering, vol.9, no.2, pp.869-881, 2022 (Scopus)
- V. **Production and Characterization of Al₂O₃/SiC Composites with High SiC Reinforcement**
Akçay S. B., Varol T., Aksa H. C., Güler O.
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.22, no.2, pp.353-365, 2022 (Peer-Reviewed Journal)
- VI. **OPTIMIZATION OF ZINC-BASED HYBRID NANOCOMPOSITES USING TAGUCHI GREY RELATION ANALYSIS**
Güler O., Gajević S., Miladinović S., Çuvalcı H., Stojanović B.
Mobility & Vehicle Mechanics, vol.47, no.3, pp.9-22, 2021 (Peer-Reviewed Journal)
- VII. **Multi response parameters optimization of ZA-27 nanocomposites**
Gajević S., Miladinović S., Güler O., Çuvalcı H., Miloradović N., Stojanović B.
Advanced Technologies & Materials, vol.46, no.1, pp.11-18, 2021 (Peer-Reviewed Journal)
- VIII. **Production and characterization of Cu-Ag bimetal particles by electroless coating method**
Varol T., Akçay S. B., Güler O.
Gümüşhane Üniversitesi Fen Bilimleri Dergisi, vol.11, no.2, 2021 (Peer-Reviewed Journal)
- IX. **Characterization of Copper-Based Materials Produced Using Layered Particles**
Varol T., Aksa H. C., Güler O.
Karadeniz Fen Bilimleri Dergisi, vol.10, no.2, pp.346-358, 2020 (Peer-Reviewed Journal)
- X. **The investigation of the mechanical properties of sandwich panel composites with different surface and core materials**
ASLAN M., GÜLER O., ALVER Ü.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.24, no.6, pp.1062-1068, 2018 (ESCI)

Books

- I. **Advanced antibacterial effect of bioactive natural hydroxyapatite biocomposites**
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- II. ASLAN M., ÇAKIR N., KULEYİN H., KILIÇGEDİK E. A., DÖNMEZ ÇAVDAR A., GÜLER O., ÖZPINAR İ., Project Supported by Higher Education Institutions, Sürekli kenevir ve basalt elyaf takviyeli termoplastik matrisli geri dönüştürülebilir kompozit malzemelerin üretimi termomekanik ve yorulma performans özelliklerinin geliştirilmesi, 2025 -

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Awards

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Coaching Duties

Refereeing Duties
