

Prof. MUSTAFA ULUTAN

Personal Information

Office Phone: [+90 239 375 0](tel:+902393750) Extension: 3369

Email: mulutan@ogu.edu.tr

Other Email: mulutan@gmail.com

Web: <https://avesis.ogu.edu.tr/mulutan>

International Researcher IDs

ScholarID: Mustafa

ORCID: 0000-0003-1821-6486

Publons / Web Of Science ResearcherID: G-3672-2012

ScopusID: 9333076800

Yoksis Researcher ID: 16740

Education Information

Doctorate, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Dr), Turkey 2001 - 2007

Postgraduate, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (YI) (Tezli), Turkey 1998 - 2001

Undergraduate, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği Bölümü, Turkey 1994 - 1998

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, AISI 4140 çeliğinin yüzey sertleştirme işlemleri ve kaplama yöntemleri sonrası mekanik davranışlarının araştırılması, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Dr), 2007

Postgraduate, Seramik plaketa pah kırma aparatı tasarımı ve bilinen plaketaelerin kesme özelliklerinin araştırılması, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (YI) (Tezli), 2001

Research Areas

Mechanical Engineering, Tribology, Machine Design, Non-traditional manufacturing methods, Welding Methods, Material, Machining Methods, Metallurgical and Materials Engineering, Mechanical Properties, Thermal Treatment, Plating, Surface Finishing Processes, Engineering and Technology

Academic Titles / Tasks

Professor, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Makina Müh.Bölümü, 2023 - Continues

Academic and Administrative Experience

Director of the Center, Eskisehir Osmangazi University, Teknoloji Transfer Ofisi Uygulama Ve Araştırma Merkezi(Ettom), Technology Transfer Office Research and Application Center , 2022 - Continues
Head of Department, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Makina Müh.Bölümü, 2021 - Continues
Fakülte Akademik Kurul Üyesi, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Makina Müh.Bölümü, 2022 - 2023
Araştırma Görevlisi Üniversite Temsilcisi, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Makina Müh.Bölümü, 2006 - 2009

Courses

Manufacturing Engineering, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

Jury Memberships

Post Graduate, Post Graduate, Kütahya Dumlupınar Üniversitesi, June, 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigation of microstructure and mechanical properties of SiC and FeCrC reinforced components fabricated with plasma wire arc additive manufacturing (P-WAAM)**
Bayar İ., ULUTAN M.
Materials Science and Engineering A, vol.875, 2023 (SCI-Expanded)
- II. **Corrosion behavior of SiC and FeCrC reinforced AISI 304 components fabricated by plasma wire arc additive manufacturing (P-WAAM)**
Bayar İ., ÖTEYAKA M. Ö., Çakir E., ULUTAN M.
Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2023 (SCI-Expanded)
- III. **Tribomechanical and microstructural properties of cathodic arc-deposited ternary nitride coatings**
KAYA E., ULUTAN M.
Ceramics International, vol.48, pp.21305-21316, 2022 (SCI-Expanded)
- IV. **Lubricity assessment of ultra-low sulfur diesel fuel (ULSD), biodiesel, and their blends, in conjunction with pure hydrocarbons and biodiesel based compounds**
Tat M. E., Çelik O. N., Er Ü., Gaşan H., Ulutan M.
International Journal of Engine Research, vol.23, no.2, pp.214-231, 2022 (SCI-Expanded)
- V. **Enhancement on the Tool Steel's Surface Properties by Eta Carbide Distribution Mechanism of Cryogenic Treatment**
KAYA E., KILIÇAY K., ULUTAN M.
TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS, vol.73, no.10, pp.2673-2682, 2020 (SCI-Expanded)
- VI. **Microstructure and Tribological Properties of Tool Steel AISI O2 After Thorough Cryogenic Heat Treatment**
KAYA E., KILIÇAY K., ULUTAN M.
METAL SCIENCE AND HEAT TREATMENT, vol.62, pp.399-404, 2020 (SCI-Expanded)
- VII. **Microstructure and Wear Properties of Hot-Pressed NiCrBSi/TiC Composite Materials**
Islak S., Ulutan M., Buytoz S.
RUSSIAN JOURNAL OF NON-FERROUS METALS, vol.61, no.5, pp.571-582, 2020 (SCI-Expanded)
- VIII. **Microstructural and tribological properties of induction clad NiCrBSi/WC composite coatings**
KILIÇAY K., BUYTOZ S., ULUTAN M.

SURFACE & COATINGS TECHNOLOGY, vol.397, 2020 (SCI-Expanded)

- IX. Effects of Al on the Phase Volume Fractions and Wear Properties in the Al_xCoCrFeMoNi High Entropy Alloy System**
Gaşan H., Lökçü E., Ozcan A., Çelik O. N., Çelikyürek İ., Ulutan M., Kurtulus Y.
METALS AND MATERIALS INTERNATIONAL, vol.26, no.3, pp.310-320, 2020 (SCI-Expanded)
- X. Surface modification of atmospheric plasma sprayed cermet coatings by plasma transferred arc method**
BAYAR İ., ULUTAN M.
TRANSACTIONS OF THE INSTITUTE OF METAL FINISHING, vol.97, no.6, pp.298-304, 2019 (SCI-Expanded)
- XI. Effect of cryogenic treatment on the microstructure and the wear behavior of WC-Co end mills for machining of Ti6Al4V titanium alloy**
Çelik O. N., Sert A., Gaşan H., Ulutan M.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.95, pp.2989-2999, 2018 (SCI-Expanded)
- XII. Tribological and Mechanical Properties of Deep Cryogenically Treated Medium Carbon Micro Alloy Steel**
KAYA E., ULUTAN M.
METALS AND MATERIALS INTERNATIONAL, vol.23, no.4, pp.691-698, 2017 (SCI-Expanded)
- XIII. Effect of cryogenic treatment on tribological behaviour of TiC composite coatings**
KILIÇAY K., ULUTAN M.
SURFACE ENGINEERING, vol.33, no.12, pp.886-894, 2017 (SCI-Expanded)
- XIV. Microstructure and wear behaviour of plasma transferred arc (PTA)-deposited FeCrC composite coatings on AISI 5115 steel**
Ulutan M., KILIÇAY K., Celik O. N., ER Ü.
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.236, pp.26-34, 2016 (SCI-Expanded)
- XV. Plasma transferred arc surface modification of atmospheric plasma sprayed ceramic coatings**
ULUTAN M., KILIÇAY K., KAYA E., BAYAR İ.
JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, vol.30, no.8, pp.3813-3818, 2016 (SCI-Expanded)
- XVI. Investigation of the solid lubrication effect of commercial boron-based compounds in end milling**
KILIÇAY K., Ulutan M.
INTERNATIONAL JOURNAL OF PRECISION ENGINEERING AND MANUFACTURING, vol.17, no.4, pp.517-524, 2016 (SCI-Expanded)
- XVII. FRICTION AND WEAR BEHAVIOUR OF BORIDED AISI 304 STAINLESS STEEL WITH NANO PARTICLE AND MICRO PARTICLE SIZE OF BORIDING AGENTS**
Gunen A., Ulutan M., Gok M. S., Kurt B., Orhan N.
JOURNAL OF THE BALKAN TRIBOLOGICAL ASSOCIATION, vol.20, no.3, pp.362-379, 2014 (SCI-Expanded)
- XVIII. Microstructural and Wear Characteristics of High Velocity Oxygen Fuel (HVOF) Sprayed NiCrBSi-SiC Composite Coating on SAE 1030 Steel**
BUYTOZ S., ULUTAN M., ISLAK S., Kurt B., ÇELİK O. N.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.38, no.6, pp.1481-1491, 2013 (SCI-Expanded)
- XIX. Effects of graphite content on the microstructure and wear properties of an AISI 8620 steel surface modified by tungsten inert gas (TIG)**
ÇELİK O. N., ULUTAN M., GAŞAN H., ER Ü., BUYTOZ S.
SURFACE & COATINGS TECHNOLOGY, vol.206, no.6, pp.1423-1429, 2011 (SCI-Expanded)
- XX. Microstructure and Wear Behavior of TIG Surface-Alloyed AISI 4140 Steel**
ULUTAN M., YILDIRIM M. M., BUYTOZ S., ÇELİK O. N.
TRIBOLOGY TRANSACTIONS, vol.54, no.1, pp.67-79, 2011 (SCI-Expanded)
- XXI. Tribological Properties of Borided AISI 4140 Steel with the Powder Pack-Boriding Method**
ULUTAN M., YILDIRIM M. M., ÇELİK O. N., BUYTOZ S.
TRIBOLOGY LETTERS, vol.38, no.3, pp.231-239, 2010 (SCI-Expanded)
- XXII. Effect of Different Surface Treatment Methods on the Friction and Wear Behavior of AISI 4140 Steel**

- ULUTAN M., ÇELİK O. N., GAŞAN H., ER Ü.
JOURNAL OF MATERIALS SCIENCE & TECHNOLOGY, vol.26, no.3, pp.251-257, 2010 (SCI-Expanded)
- XXIII. **Interfacial Microstructure of Diffusion Bonded Inconel 738 and Ferritic Stainless Steel Couple**
Kurt B., ULUTAN M.
JOURNAL OF MATERIALS SCIENCE & TECHNOLOGY, vol.25, no.4, pp.527-530, 2009 (SCI-Expanded)
- XXIV. **Microstructural changes to SiC coated metallic surfaces produced by the TIG welding process on a 45Mn5 steel**
Yildirim M. M., Buytoz S., Ulutan M.
PRAKTISCHE METALLOGRAPHIE-PRACTICAL METALLOGRAPHY, vol.44, no.2, pp.59-69, 2007 (SCI-Expanded)
- XXV. **In situ synthesis of SiC reinforced MMC surface on AISI 304 stainless steel by TIG surface alloying**
Buytoz S., Ulutan M.
SURFACE & COATINGS TECHNOLOGY, vol.200, pp.3698-3704, 2006 (SCI-Expanded)
- XXVI. **Dry sliding wear behavior of TIG welding clad WC composite coatings**
Buytoz S., Ulutan M., Yildirim M.
APPLIED SURFACE SCIENCE, vol.252, no.5, pp.1313-1323, 2005 (SCI-Expanded)

Articles Published in Other Journals

- I. **Wire Arc Additive Manufacturing (WAAM) Method and Investigation of Mechanical Properties for Different Materials**
ÇAKIR E., Ulutan M.
Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, vol.10, no.1, pp.217-235, 2023 (Peer-Reviewed Journal)
- II. **Nano WC Kompozitlerde Fe-Ni Oranın Mikroyapı ve Mekanik Özelliklere Etkisi**
KAYA E., ULUTAN M.
Mühendislik Bilimleri ve Tasarım Dergisi, vol.11, no.1, pp.376-393, 2023 (Peer-Reviewed Journal)
- III. **The Effects of Different Heat Treatment and Coating Techniques on X120CrMo29-2 Martensitic Stainless Steel**
KAYA E., ULUTAN M., Akbulut A.
Journal of Scientific Reports-A, vol.49, no.2, pp.62-73, 2022 (Peer-Reviewed Journal)
- IV. **The evaluation Of The Non-Toxic Ferrous Matrix Based WC Reinforced Composites: A Review**
KAYA E., ULUTAN M.
Celal Bayar Üniversitesi Fen Bilimleri Dergisi, vol.18, no.2, pp.129-139, 2022 (Peer-Reviewed Journal)
- V. **Investigation Of Tribological And Mechanical Performance Of Cryogenic Treated Medium Carbon Steel, 38mnvs6**
KAYA E., ULUTAN M., KILIÇAY K., BAYAR İ.
Journal Of The Balkan Tribological Association, vol.617, no.627, pp.26-4, 2020 (Scopus)
- VI. **Experimental study on Tribological Performance of SiC Composite Coating Layers**
KILIÇAY K., ULUTAN M., KAYA E., BAYAR İ.
Journal Of The Balkan Tribological Association, vol.26, no.2, pp.390-400, 2020 (Scopus)
- VII. **ADHESIVE WEAR BEHAVIOR OF TIN AND CRNCOATED DIN115CRV3 STEEL TOOLS AT DIFFERENT LOAD CONDITIONS**
ÖTEYAKA M. Ö., Yıldırım M. M., ULUTAN M., ÇELİK O. N.
International Journal of Advances in Mechanical and Civil Engineering, vol.2, no.5, pp.1-4, 2015 (Peer-Reviewed Journal)
- VIII. **Amerika Birleşik Devletlerin de Makine Mühendisliği Eğitimi**
ALTUN Ö., TİMURALP Ç., YILMAZ S., ULUTAN M.
Mühendis ve Makine, vol.52, no.621, pp.36-42, 2011 (Peer-Reviewed Journal)
- IX. **Plazma transferli ark kaynak yüzey işlemleriyle AISI 304 paslanmaz çelik yüzeyine WC Ni B4C kompozit kaplamasının mikroyapısal karakteristiği**
BUYTOZ S., ULUTAN M., KURT B., ISLAK S., SOMUNKIRAN İ.

E-Journal of New World Sciences Academy, vol.5, no.1, pp.35-47, 2010 (Peer-Reviewed Journal)

- X. **TIG yöntemiyle yüzeyi sertleştirilen AISI 4140 çeliğinin mikroyapı incelemesi**
ULUTAN M., YILDIRIM M. M., BUYTOZ S.
Eskişehir Osmangazi Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.22, no.1, pp.93-108, 2009 (Peer-Reviewed Journal)
- XI. **TIG yöntemiyle yapılan WC ile yüzey sertleştirme işleminin abrasiv aşınma performansının incelenmesi**
YILDIRIM M. M., BUYTOZ S., ULUTAN M.
Doğu Anadolu Bölgesi Araştırmaları, vol.3, no.2, pp.38-44, 2005 (Peer-Reviewed Journal)
- XII. **TIG yöntemiyle yüzeyi sertleştirilen AISI 4340 çeliğinin mikroyapısının incelenmesi**
BUYTOZ S., ULUTAN M., YILDIRIM M. M.
Osmangazi Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.18, no.1, pp.44-60, 2005 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **INFLUENCE OF CRYOGENIC HEAT TREATMENT ON PERFORMANCE OF UNCOATED, ALCRN AND ALTIN CARBIDE CUTTING TOOLS IN MILLING OF Ti6Al4V**
Demircan Y., Gemici S., SERT A., ULUTAN M., GAŞAN H.
6th International Conference on Advances in Mechanical Engineering, İstanbul, Turkey, 20 October 2021, pp.1541-1553
- II. **Selection of Process Parameters on Wire Arc Additive Manufacturing Waam of Ti6Al4V**
ÇAKIR E., BAYAR İ., ULUTAN M.
4th International Conference on Engineering Technologies, ICENTE, Konya, Turkey, 19 - 21 November 2020, pp.350-354
- III. **Tel Ark Katmanlı İmalat (TAKİ) Yöntemi, Türkçe İsimlendirmeleri ve Farklı Malzemelerde Uygulamaları**
ÇAKIR E., BAYAR İ., ULUTAN M.
5. International Conference on Material Science and Technology in Cappadocia/TURKEY (IMSTEC 2020), Nevşehir, Turkey, 16 - 18 October 2020, pp.160-165
- IV. **Determination of Wire Arc Additive Manufacturing Parameters with Plasma Arc Welding**
BAYAR İ., ÇAKIR E., ULUTAN M.
5. International Conference on Material Science and Technology in Cappadocia/TURKEY (IMSTEC 2020), Nevşehir, Turkey, 16 - 18 October 2020, pp.105-107
- V. **MICROSTRUCTURAL INVESTIGATES OF Ni-BASED COMPOSITENi-ESASLI KOMPOZITIN MIKROYAPISAL INCELENMESİ**
BUYTOZ S., ULUTAN M., Nevruz A.
The Internatinonal Conference on Materials Science, Mechanical and Automotive Engineerings and Technology in Cappadocia/TURKEY (IMSMATEC'19), 21 - 23 May 2019
- VI. **Rene 65 Süper Alaşımının Delik Delme İşleminde Farklı Parametrelerin Taguchi Yöntemiyle Analizi**
BİLGİÇ F., ER Ü., ULUTAN M.
18. Uluslararası Makina Tasarım ve İmalat Kongresi, 3 - 06 June 2018, pp.973-988
- VII. **Experimental Investigation of Different Hard Carbide Layers Coated by Flame Spray Technic on 90MnCrV8**
KILIÇAY K., BAYAR İ., KAYA E., ULUTAN M.
The International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology, İzmir, Turkey, İzmir, Turkey, 10 - 12 April 2018
- VIII. **Effect of Different Heat Inputs on Microstructure and Hardness in PTA Layers**
KILIÇAY K., BAYAR İ., KAYA E., ULUTAN M.
The International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology,

İzmir, Turkey, İzmir, Turkey, 10 - 12 April 2018

- IX. **A Comparative Study of Quantitative Image Analyze and X-Ray Diffraction Methods for Carbide Amount in composite coatings on steel**
KILIÇAY K., KAYA E., BAYAR İ., ULUTAN M.
1st International Symposium On Innovative Approches In Scientific Studies, Antalya, Turkey, Antalya, Turkey, 11 - 13 April 2018
- X. **Numerical and Analytical Analysis of Hertz Contact Pressure in ASTM G99 Wear Test**
KAYA E., KILIÇAY K., ULUTAN M.
1st International Symposium On Innovative Approches In Scientific Studies, Antalya, Turkey, Antalya, Turkey, 11 - 13 April 2018
- XI. **Precise Measurement of Wear Rate Method for ASTM G-99 Wear Test**
KAYA E., KILIÇAY K., BAYAR İ., ULUTAN M.
1st International Symposium On Innovative Approches In Scientific Studies, Antalya, Turkey, Antalya, Turkey, 11 - 13 April 2018
- XII. **Investigation of Microstructure and Tribological Properties of Molybdenum Coatings**
BAYAR İ., ULUTAN M., KILIÇAY K., KAYA E.
International Congress On Applied Science And technology, Astech'2017, Malaga, Spain, Malaga, Spain, 17 - 20 April 2017
- XIII. **Investigation of Process Parameters of AISI 304 Fiber Cut with Fiber Laser**
BAYAR İ., KILIÇAY K., KAYA E., ULUTAN M., AKMAN D.
International Congress On Applied Science And technology, Astech'2017, Malaga, Spain, Malaga, Spain, 17 - 20 April 2017
- XIV. **Effect of Ti addition on microstructure and Hardness of Al_{1.5}CoCr FeMoNi high entropy alloys**
GAŞAN H., LÖKÇÜ E., ÇELİK O. N., Özcan A., ÇELİK YÜREK İ., ULUTAN M.
METAL 2017 26. International conference on Metallurgy and Materials, Brno, Czech Republic, 24 - 26 May 2017, pp.79
- XV. **Experimental Study on Tribological Performance of SiC Composite Coating Layers**
KILIÇAY K., ULUTAN M., KAYA E., BAYAR İ.
3rd International Iron Steel Symposium (UDCS'17), Karabük, Turkey, Karabük, Turkey, 3 - 05 April 2017
- XVI. **Investigation of Tribological and Mechanical Performance of Cryogenic Treated Medium Carbon Steel, 38MnVS6**
KAYA E., ULUTAN M., KILIÇAY K., BAYAR İ.
3rd International Iron and Steel Symposium (UDCS'17), Karabük, Turkey, Karabük, Turkey, 3 - 05 April 2017, pp.460-464
- XVII. **Effect of Mo Content on Structure and Wear Behavior of AlCoCrFeMoxNi x 0 5 1 0 High Entropy Alloys**
GAŞAN H., LÖKÇÜ E., özcan a., ÇELİK O. N., ÇELİK YÜREK İ., ULUTAN M., kurtuluş y.
25th International Conference on Metallurgy and Materials, Bruno, Czech Republic, 25 - 27 May 2016
- XVIII. **EFFECT OF AUSTENITIZATION TEMPERATURE ON TRIBOLOGICAL BEHAVIOUR OF MICRO ALLOYED STEEL**
ULUTAN M., KILIÇAY K., KAYA E.
International Conference on Material Science and Technology in Cappadocia(IMSTEC 2016), 6 - 08 April 2016
- XIX. **ADHESIVE WEAR BEHAVIOR OF TIN AND CRNCOATED DIN115CRV3 STEEL TOOLS AT DIFFERENT LOAD CONDITIONS**
ÖTEYAKA M. Ö., YILDIRIM M. M., ULUTAN M., ÇELİK O. N.
Proceedings of 8th ISERD International Conference, İstanbul, Turkey, 9 - 11 August 2015, pp.69-72
- XX. **Adhesive Wear Behavior of TiN and CrN Coated DIN 115 CrV 3 Steel Tools at Different Load Conditions**
ÖTEYAKA M. Ö., YILDIRIM M. M., ULUTAN M., ÇELİK O. N.
International Conference on Chemical and Biochemical Engineering, 09 August 2015
- XXI. **Investigation of Lubrication and Wear Properties of Biodiesel and Diesel Fuels on Fuel Pump**

Material

TAT M. E., ÇELİK O. N., KNOTHE G., ER Ü., GAŞAN H., ULUTAN M.

World Conference on Oilseed Processing, Fats & Oils Processing, Biofuels & Applications, İzmir, Turkey, 21 - 23 June 2011

XXII. **Effect of Lubrication and Wear Properties of Biodiesel added Ultra Low Sulfur Diesel (ULSD) Fuel on Common Rail Fuel Injection Pump Material**

TAT M. E., ÇELİK O. N., KNOTHE G., ER Ü., GAŞAN H., ULUTAN M.

World Conference on Oilseed Processing, Fats & Oils Processing, Biofuels & Applications, İzmir, Turkey, 21 - 23 June 2011, pp.34

XXIII. **TIG Yöntemiyle Yüzey Özellikleri Değiştirilen AISI 8620 Çeliğinin Adhesif Aşınma Özelliklerinin İncelenmesi**

ÇELİK O. N., ULUTAN M., BUYTOZ S., GAŞAN H., ER Ü.

13th International Materials Symposium IMSP'2010, Denizli, Turkey, 13 - 15 October 2010, pp.1504-1511

XXIV. **An investigation on fatigue life of borided AISI 1010 steel**

ÇELİK O. N., GAŞAN H., ULUTAN M., MURAT S.

Proceedings of 12th International Materials Symposium(IMSP'2008), Denizli, Turkey, 15 - 17 October 2008, pp.123-130

Supported Projects

ULUTAN M., Project Supported by Higher Education Institutions, Kriyojenik (Buzul) İşlem Uygulanmış Mikro Alaşımli Çeliklerin Tribolojik ve Mekanik Özelliklerinin İncelenmesi, 2015 - 2016

GAŞAN H., Kurtuluş Y., ULUTAN M., ÇELİK O. N., ÇELİK YÜREK İ., LÖKÇÜ E., ÖZCAN A., Project Supported by Higher Education Institutions, Yüksek-Entropili Alaşım (YEA) Tasarımı Anlayışı İle Üretilen AlCoCrFeMoNi Alaşımının Ti ve V İlavesi ile Aşınma Özelliklerinin İyileştirilmesi, 2014 - 2016

ULUTAN M., Project Supported by Higher Education Institutions, Yüzeyi PTA (Plazma Transferli Ark Kaynak) Yöntemi ile Alaşımlandırılmış AISI 5115 Çeliğinin Mikroyapı ve Aşınma Özelliklerinin İncelenmesi, 2012 - 2014

ULUTAN M., TUBITAK Project, Toz metalurjisi yöntemiyle yüzeyi gözenekli NiTi alaşımı kaplanmış implant malzeme üretimi, 2008 - 2010

ULUTAN M., ER Ü., Project Supported by Higher Education Institutions, TIG Yöntemiyle Yüzey Özellikleri Geliştirilmiş AISI 8620 Çeliğinde Mikroyapı ve Aşınma Davranışının İncelenmesi, 2007 - 2010

Scientific Refereeing

Journal of scientific reports-A (Online), National Scientific Refreed Journal, August 2023

Eskişehir Osmangazi Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, National Scientific Refreed Journal, July 2023

Project Supported by Higher Education Institutions, BAP PhD, Ataturk University, Turkey, May 2023

Journal of Scientific Reports-A, National Scientific Refreed Journal, March 2023

Metrics

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