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Education Information

Doctorate, Istanbul Technical University, Kimya-Metalurji Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, Turkey
1984 - 1989

Postgraduate, Istanbul Technical University, Kimya-Metalurji Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü,
Turkey 1981 - 1984

Undergraduate, Yildiz Technical University, Faculty Of Mechanical Engineering, Makine Mühendisliği Bölümü, Turkey
1977 - 1981

Foreign Languages

English

Dissertations

Doctorate, Çift fazlı çeliklerin deformasyon davranışları, İstanbul Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Metalurji Ve
Malzeme Mühendisliği Bölümü, 1989

Research Areas

Technical Sciences, Metallurgical and Materials Engineering, Material science and engineering, Mechanical Properties,
Biomaterials, Plating, Mechanical Metallurgy, Surface Finishing Processes

Academic Titles / Tasks

Professor, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, 1997 - Continues

Academic and Administrative Experience

İstanbul Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 2013 - 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Unveiling the mechanisms of coating formation during micro-arc oxidation of titanium in Na₂HPO₄ electrolyte**
Maj Ł., Muhaffel F., Jarzębska A., Trelka A., Balin K., Bieda M., Çimenoğlu H.
Surface and Coatings Technology, vol.476, 2024 (SCI-Expanded)
- II. **Wear performance of composite dual-layer coated Al-12Si alloy: Effect of Al₂Ce reinforcement and micro-arc oxidation**
Kaba M., Cengiz S., Muhaffel F., Çimenoğlu H.
Materials Chemistry and Physics, vol.312, 2024 (SCI-Expanded)
- III. **Effect of low-temperature nitriding on impact-sliding wear behavior of an austenitic stainless steel at room and sub-zero temperatures**
Gumuslu T., Kaba M., Atar E., Çimenoğlu H.
TRIBOLOGY INTERNATIONAL, vol.185, pp.108560, 2023 (SCI-Expanded)
- IV. **Oxidation of a refractory high entropy alloy (RHEA) at moderate temperatures for wear related applications**
Alphan Y., Kaba M., Motallebzadeh A., Çimenoğlu H.
International Journal of Refractory Metals and Hard Materials, vol.113, 2023 (SCI-Expanded)
- V. **Swelling modification by electron beam at chalcopyrite copper indium gallium diselenide thin-film controlled optical features**
Baydoğan N., Çimenoğlu H., Cancı Matur U., Akyol Voss S.
CURRENT APPLIED PHYSICS, vol.52, pp.9-23, 2023 (SCI-Expanded)
- VI. **Cu layer derived by accelerated microparticles on ZnO:Al/p-Si heterojunction**
Köse Y., Ürper O., Çimenoğlu H., Baydoğan N.
Journal of Materials Science: Materials in Electronics, vol.34, no.8, 2023 (SCI-Expanded)
- VII. **In-situ formation of Ag nanoparticles in the MAO coating during the processing of cp-Ti**
Maj Ł., Fogarassy Z., Wojtas D., Jarzębska A., Muhaffel F., Sulyok A., Góral A., Kulczyk M., Çimenoğlu H., Bieda M.
Scientific reports, vol.13, no.1, pp.3230, 2023 (SCI-Expanded)
- VIII. **Effect of electron beam improved dielectric function on optical properties of sol-gel derived CuIn_{1-X}Ga_XSe₂ thin-film**
Akyol Voss S., Cancı Matur U., Çimenoğlu H., Baydoğan N.
Optical Materials, vol.134, 2022 (SCI-Expanded)
- IX. **Surface degradation of nitrided hot work tool steels under repeated impact-sliding contacts: Effect of compound layer**
Kaba M., Altay M., Akyıldız E., Muhaffel F., Ozkurt S., Atar E., Baydoğan M., Çimenoğlu H.
Wear, vol.498-499, 2022 (SCI-Expanded)
- X. **< p > Thermal oxidation of a porous Ti-23Nb alloy for wear related biomedical applications: Effect of oxidation duration </ p >**
Ibrahim M. K., Kaba M., Muhaffel F., Ağaoğulları D., Çimenoğlu H.
SURFACE & COATINGS TECHNOLOGY, vol.439, 2022 (SCI-Expanded)
- XI. **Titania coating formation on hydrostatically extruded pure titanium by micro-arc oxidation method**
Maj Ł., Wojtas D., Jarzębska A., Bieda M., Trembecka-Wójciga K., Chulist R., Kozioł W., Góral A., Trelka A., Janus K., et al.
Journal of Materials Science and Technology, vol.111, pp.224-235, 2022 (SCI-Expanded)
- XII. **Low Friction and High Wear Resistance of Plasma Electrolytic Oxidation (PEO)-Coated AZ31 Mg Alloy Sliding against Hydrogenated DLC (a-C-H) at Elevated Temperatures**
Bhowmick S., Muhaffel F., Eskandari B., Çimenoğlu H., Alpas A. T.
COATINGS, vol.12, no.5, 2022 (SCI-Expanded)
- XIII. **Characteristics of silver-containing titanium-based coating after thermal oxidation**
Çetiner D., Gül Karagüler N., Çimenoğlu H., ATAR E.
SURFACE INNOVATIONS, vol.10, no.2, pp.140-149, 2022 (SCI-Expanded)

- XIV. **Effect of the Hydrothermal Treatment on the Microstructural Characteristics and Bioactivity of the Ag Incorporated MAO Coatings Fabricated on Ti6Al7Nb Alloy**
Aydogan D. T., Muhaffel F., Çimenoglu H.
Surface Innovations, vol.10, pp.252-262, 2022 (SCI-Expanded)
- XV. **A study to enhance the mechanical durability of the MAO coating fabricated on the 7075 Al alloy for wear-related high temperature applications**
Muhaffel F., Baydoğan M., Çimenoglu H.
SURFACE & COATINGS TECHNOLOGY, vol.409, 2021 (SCI-Expanded)
- XVI. **Effect of Co Addition on the Creep Rupture Properties of 9Cr-1.8W-xCo Weld Metals**
KABAKCI F., Acarer M., Baydoğan M., Selcuk Keskinkilic A., Acar F. K., Çimenoglu H.
METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE, vol.52, no.1, pp.129-142, 2021 (SCI-Expanded)
- XVII. **Room and High Temperature Sliding Wear Characteristics of Laser Surface Melted Stellite 6 and Mo-Alloyed Stellite 6 Hardfacings**
Alhattab A. A. M., Dilawary S. A. A., Motallebzadeh A., Arısoy C. F., Çimenoglu H.
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, vol.30, no.1, pp.302-311, 2021 (SCI-Expanded)
- XVIII. **Role of counterfaces with DLC and N-based coatings on frictional behaviour of AZ31 magnesium alloy subjected to plasma electrolytic oxidation (PEO) process**
Bhowmick S., Muhaffel F., Sun G., Cimenoglu H., Alpas A. T.
SURFACE & COATINGS TECHNOLOGY, vol.397, 2020 (SCI-Expanded)
- XIX. **Thermal oxidation of cold sprayed Ti-5Al-XZn coatings for tribological applications**
Çetiner D., ATAR E., Derin C. B., Çimenoglu H.
MATERIALS LETTERS, vol.274, 2020 (SCI-Expanded)
- XX. **Nanotribological characteristics of laser surface melted Stellite 12+Mo hardfacing**
Dilawary S. A. A., Motallebzadeh A., Afzal M., ATAR E., Çimenoglu H.
INDUSTRIAL LUBRICATION AND TRIBOLOGY, vol.72, no.2, pp.233-241, 2020 (SCI-Expanded)
- XXI. **Influence of alumina and zirconia incorporations on the structure and wear resistance of titania-based MAO coatings**
Muhaffel F., Kaba M., Cenipura G., Derin B., Kruk A., Atar E., Çimenoglu H.
Surface and Coatings Technology, vol.377, 2019 (SCI-Expanded)
- XXII. **Effect of Electron Beam Surface Melting on the Structure and Wear Characteristics of Cobalt-Based Hardfacing and Its Mo-Alloyed Version**
Alhattab A. A. M., Dilawary S. A. A., Altay M., Motallebzadeh A., Arısoy C. F., Çimenoglu H.
TRIBOLOGY TRANSACTIONS, 2019 (SCI-Expanded)
- XXIII. **Effect of electron beam surface melting on the microstructure and wear behavior of Stellite 12 hardfacing**
Alhattab A. A. M., Dilawary S. A. A., Motallebzadeh A., Arısoy C. F., Çimenoglu H.
INDUSTRIAL LUBRICATION AND TRIBOLOGY, vol.71, no.5, pp.636-641, 2019 (SCI-Expanded)
- XXIV. **A novel fabrication method for a TiO₂ layer over CoCr alloy**
Çetiner D., Paksoy A. H., Tazegül O., Baydoğan M., GÜLERYÜZ H., Çimenoglu H., ATAR E.
SURFACE ENGINEERING, vol.35, no.3, pp.234-241, 2019 (SCI-Expanded)
- XXV. **Development of corrosion and wear resistant micro-arc oxidation coating on a magnesium alloy**
Muhaffel F., Çimenoglu H.
SURFACE & COATINGS TECHNOLOGY, vol.357, pp.822-832, 2019 (SCI-Expanded)
- XXVI. **High-Temperature Oxidation of Stellite 12 Hardfacings: Effect of Mo on Characteristics of Oxide Scale**
Motallebzadeh A., Dilawary S. A. A., ATAR E., Çimenoglu H.
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, vol.28, no.1, pp.463-474, 2019 (SCI-Expanded)
- XXVII. **Annealing ambient effect on electrical properties of ZnO:Al/p-Si heterojunctions**
Ürper O., Karacasu O., Çimenoglu H., Baydoğan N.
SUPERLATTICES AND MICROSTRUCTURES, vol.125, pp.81-87, 2019 (SCI-Expanded)

- XXVIII. **Thermal Oxidation of Cold Sprayed Titanium-Based Coating Deposited on Co-Cr Alloy**
Çetiner D., Paksoy A. H., Tazegül O., Baydoğan M., GÜLERYÜZ H., Çimenoğlu H., ATAR E.
JOURNAL OF THERMAL SPRAY TECHNOLOGY, vol.27, no.8, pp.1414-1427, 2018 (SCI-Expanded)
- XXIX. **Influence of Mo on the high temperature wear performance of NiCrBSi hardfacings**
Dilawary S. A. A., Motallebzadeh A., ATAR E., Çimenoğlu H.
TRIBOLOGY INTERNATIONAL, vol.127, pp.288-295, 2018 (SCI-Expanded)
- XXX. **Surface modification of Ti6Al4V by micro-arc oxidation in AgC₂H₃O₂-containing electrolyte**
Aydogan D. T., Muhaffel F., Acar O. K., Topcuoglu E. N., Kulekci H. G., Kose G. T., Baydoğan M., Çimenoğlu H.
SURFACE INNOVATIONS, vol.6, pp.277-285, 2018 (SCI-Expanded)
- XXXI. **Modification of M2 hardfacing: Effect of molybdenum alloying and laser surface melting on microstructure and wear performance**
Dilawary S. A. A., Motallebzadeh A., Houdkova S., Medlin R., Haviar S., Lukac F., Afzal M., Çimenoğlu H.
WEAR, vol.404, pp.111-121, 2018 (SCI-Expanded)
- XXXII. **Characteristics of Ti6Al4V Powders Recycled from Turnings via the HDH Technique**
Gokelma M., Celik D., Tazegül O., Çimenoğlu H., Friedrich B.
METALS, vol.8, no.5, 2018 (SCI-Expanded)
- XXXIII. **Laser surface melting of 10 wt% Mo alloyed hardfacing Stellite 12 plasma transferred arc deposits: Structural evolution and high temperature wear performance**
Dilawary S. A. A., Motallebzadeh A., Afzal M., ATAR E., Çimenoğlu H.
OPTICS AND LASER TECHNOLOGY, vol.101, pp.404-412, 2018 (SCI-Expanded)
- XXXIV. **Enhanced wear resistance of Stellite 12 by Mo addition and LSM**
Dilawary S. A. A., Motallebzadeh A., Akhter R., ATAR E., Çimenoğlu H.
SURFACE ENGINEERING, vol.34, no.8, pp.569-576, 2018 (SCI-Expanded)
- XXXV. **Optimisation of micro-arc oxidation electrolyte for fabrication of antibacterial coating on titanium**
Aydogan D. T., Muhaffel F., Kilic M. M., Acar O. K., Cempura G., Baydoğan M., Gül Karagüler N., Kose G. T., Czyska-Filemonowicz A., Çimenoğlu H.
MATERIALS TECHNOLOGY, vol.33, no.2, pp.119-126, 2018 (SCI-Expanded)
- XXXVI. **Influence of electrolyte composition on microstructure, adhesion and bioactivity of micro-arc oxidation coatings produced on biomedical Ti6Al7Nb alloy**
Karbowniczek J., Muhaffel F., Cempura G., Çimenoğlu H., Czyska-Filemonowicz A.
SURFACE & COATINGS TECHNOLOGY, vol.321, pp.97-107, 2017 (SCI-Expanded)
- XXXVII. **Tribology of SiCp reinforced Al-12Si matrix composite coatings in water**
PAKSOY A. H., DEPREM O., Tazegul O., Çimenoğlu H.
TRIBOLOGY INTERNATIONAL, vol.110, pp.392-400, 2017 (SCI-Expanded)
- XXXVIII. **Influence of laser surface melting on the characteristics of Stellite 12 plasma transferred arc hardfacing deposit**
Dilawary S. A. A., Motallebzadeh A., Paksoy A. H., Afzal M., ATAR E., Çimenoğlu H.
SURFACE & COATINGS TECHNOLOGY, vol.317, pp.110-116, 2017 (SCI-Expanded)
- XXXIX. **Fabrication of oxide layer on zirconium by micro-arc oxidation: Structural and antimicrobial characteristics**
Fidan S., Muhaffel F., Riool M., Cempura G., de Boer L., Zaat S. A. J., Czyska-Filemonowicz A., Cimenoglu H.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.71, pp.565-569, 2017
(SCI-Expanded)
- XL. **Formation of Corrosion-Resistant Alumina Coating on 6061 Aluminum Alloy by the Combination of Micro Arc Oxidation and Sealing Treatments**
Paksoy H., MUHAFFEL F., Koca M., Gökçe Ö., Mohammadzadeh S., ÇİMENOĞLU H.
Materials Technology, vol.51, pp.117-121, 2017 (SCI-Expanded)
- XLI. **Characteristics of multi-layer coatings synthesized on Ti6Al4V alloy by micro-arc oxidation in silver nitrate added electrolytes**
Muhaffel F., Cempura G., Menekse M., Czyska-Filemonowicz A., Gül Karagüler N., Çimenoğlu H.
Surface and Coatings Technology, vol.307, pp.308-315, 2016 (SCI-Expanded)

- XLII. **Effect of sintering techniques on the microstructure and mechanical properties of niobium borides**
 Balci O., AGAOGLULARI D., MUHAFFEL F., Öveçoğlu M. L., CIMENOGLU H., Duman I.
 JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, vol.36, no.13, pp.3113-3123, 2016 (SCI-Expanded)
- XLIII. **Structural Changes on the Surface of Alloy Ti₆Al₇Nb Under Gas Nitriding**
 Siyahjani F., Atar E., Çimenoğlu H.
 METAL SCIENCE AND HEAT TREATMENT, vol.58, pp.170-174, 2016 (SCI-Expanded)
- XLIV. **The effect of La₂O₃ on the microstructure and room temperature mechanical properties of t-ZrO₂**
 Nilufer I. B., GOKCE H., MUHAFFEL F., Öveçoğlu M. L., Çimenoğlu H.
 CERAMICS INTERNATIONAL, vol.42, no.8, pp.9443-9447, 2016 (SCI-Expanded)
- XLV. **Copper matrix composite coatings produced by cold spraying process for electrical applications**
 Tazegul O., DYLMISHI V., Çimenoğlu H.
 ARCHIVES OF CIVIL AND MECHANICAL ENGINEERING, vol.16, no.3, pp.344-350, 2016 (SCI-Expanded)
- XLVI. **Effect of reinforcement and heat treatment on elevated temperature sliding of electroless Ni-P/SiC composite coatings**
 Franco M., SHA W., ALDIC G., MALINOV S., Çimenoğlu H.
 TRIBOLOGY INTERNATIONAL, vol.97, pp.265-271, 2016 (SCI-Expanded)
- XLVII. **Characterisation of CoB Co₂B coatings by the scratch test**
 BravoBarcenas D., CamposSilva I., Çimenoğlu H., MartinezTrinidad J., FloresJimenez, M., MartinezGutierrez H.
 SURFACE ENGINEERING, vol.32, no.8, pp.570-577, 2016 (SCI-Expanded)
- XLVIII. **Raman spectroscopy characterization of hypo-eutectic CoCrWC alloy tribolayers**
 Motallebzadeh A., Atar E., Çimenoğlu H.
 INDUSTRIAL LUBRICATION AND TRIBOLOGY, vol.68, no.4, pp.515-520, 2016 (SCI-Expanded)
- XLIX. **Characterisation of CoB-Co₂B coatings by the scratch test**
 Bravo-Bárcenas D., Campos-Silva I., Çimenoğlu H., Martínez-Trinidad J., Flores-Jiménez M., Martinez-Gutiérrez H.
 Surface Engineering, vol.32, no.8, pp.570-577, 2016 (SCI-Expanded)
- L. **CHARACTERISATION AND TRIBOLOGICAL PROPERTIES OF HARD ANODISED AND MICROARC OXIDISED 5754 QUALITY ALUMINUM ALLOY**
 Övündür M., MUHAFFEL F., Çimenoğlu H.
 Journal of the Balkan Tribological Association, vol.22, no.1, pp.233-239, 2016 (SCI-Expanded)
- LI. **Synthesis of zirconia-incorporated titania layer by microarc oxidation for biomedical applications**
 Muhaffel F., CIMENOGLU H.
 SURFACE AND INTERFACE ANALYSIS, vol.47, no.13, pp.1166-1173, 2015 (SCI-Expanded)
- LII. **Sliding wear characteristics of molybdenum containing Stellite 12 coating at elevated temperatures**
 Motallebzadeh A., ATAR E., Çimenoğlu H.
 TRIBOLOGY INTERNATIONAL, vol.91, pp.40-47, 2015 (SCI-Expanded)
- LIII. **Micro scratch and corrosion behavior of functionally graded HA TiO₂ nanostructured composite coatings fabricated by electrophoretic deposition**
 Farnoush H., Mohandes J. A., Çimenoğlu H.
 JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS, vol.46, pp.31-40, 2015 (SCI-Expanded)
- LIV. **Micro-scratch and corrosion behavior of functionally graded HA-TiO₂ nanostructured composite coatings fabricated by electrophoretic deposition**
 Farnoush H., Aghazadeh Mohandes J., Çimenoğlu H.
 Journal of the Mechanical Behavior of Biomedical Materials, vol.46, pp.31-40, 2015 (SCI-Expanded)
- LV. **Characterisation and corrosion behaviour of plasma electrolytic oxidation coatings on high pressure die cast Mg-5Al-0.4Mn-xCe (x=0, 0.5, 1) alloys**
 Muhaffel F., Mert F., CIMENOGLU H., HOECHE D., Zheludkevich M. L., BLAWERT C.
 SURFACE & COATINGS TECHNOLOGY, vol.269, pp.200-211, 2015 (SCI-Expanded)
- LVI. **Characterisation and corrosion behaviour of plasma electrolytic oxidation coatings on high pressure die cast Mg 5Al 0 4Mn xCe x 0 0 5 1 alloys**
 MUHAFFEL F., MERT F., Çimenoğlu H., Hoeche D., Zheludkevich M. L., Blawert C.
 SURFACE & COATINGS TECHNOLOGY, vol.269, pp.200-211, 2015 (SCI-Expanded)

- LVII. **Evaluation of the effect of boride layer structure on the high temperature wear behavior of borided steels**
Motallebzadeh A., Dilektasli E., Baydoğan M., Atar E., Çimenoğlu H.
Wear, vol.328-329, pp.110-114, 2015 (SCI-Expanded)
- LVIII. **Evaluation of the effect of boride layer structure on the high temperature wear behavior of bonded steels**
MOTALLEBZADEH A., DİLEKTAŞLI E., BAYDOĞAN M., ATAR E., Çimenoğlu H.
WEAR, vol.328, pp.110-114, 2015 (SCI-Expanded)
- LIX. **Functionally graded HA-TiO₂ nanostructured composite coating on Ti-6Al-4V substrate via electrophoretic deposition**
Farnoush H., Aldıç G., Çimenoğlu H.
Surface and Coatings Technology, vol.265, pp.7-15, 2015 (SCI-Expanded)
- LX. **Characteristics of multi-layer coating formed on commercially pure titanium for biomedical applications**
Teker D., MUHAFFEL F., MENEKSE M., KARAGULER N. G., BAYDOGAN M., CIMENOGLU H.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.48, pp.579-585, 2015 (SCI-Expanded)
- LXI. **Functionally graded HA TiO₂ nanostructured composite coating on Ti 6Al 4V substrate via electrophoretic deposition**
HAMİDREZA F., GÜROL A., Çimenoğlu H.
SURFACE & COATINGS TECHNOLOGY, vol.265, pp.7-15, 2015 (SCI-Expanded)
- LXII. **Fabrication and characterization of nano-HA-45S5 bioglass composite coatings on calcium-phosphate containing micro-arc oxidized CP-Ti substrates**
Farnoush H., Muhaffel F., CIMENOGLU H.
APPLIED SURFACE SCIENCE, vol.324, pp.765-774, 2015 (SCI-Expanded)
- LXIII. **The bonding process in CoCrMo alloy: Fracture toughness in cobalt boride coatings**
Campos-Silva I., Bravo-Barcenas D., Cimenoglu H., Figueroa-Lopez U., Flores-Jimenez M., Meydanoglu O.
SURFACE & COATINGS TECHNOLOGY, vol.260, pp.362-368, 2014 (SCI-Expanded)
- LXIV. **The boriding process in CoCrMo alloy Fracture toughness in cobalt boride coatings**
CamposSilva I., BravoBarcenas D., Çimenoğlu H., FigueroaLopez U., FloresJimenez M., Meydanoğlu O.
SURFACE & COATINGS TECHNOLOGY, vol.260, pp.362-368, 2014 (SCI-Expanded)
- LXV. **Wear and corrosion characteristics of novel alumina coatings produced by micro arc oxidation on AZ91D magnesium alloy**
Tazegul O., Muhaffel F., MEYDANOGLU O., BAYDOGAN M., KAYALI E. S., CIMENOGLU H.
SURFACE & COATINGS TECHNOLOGY, vol.258, pp.168-173, 2014 (SCI-Expanded)
- LXVI. **High temperature tribological behaviour of bonded surfaces based on the phase structure of the boride layer**
Çimenoğlu H., ATAR E., Motallebzadeh A.
WEAR, vol.309, pp.152-158, 2014 (SCI-Expanded)
- LXVII. **Tribological Properties of CrN Coated H13 Grade Tool Steel**
Çimenoğlu H.
JOURNAL OF IRON AND STEEL RESEARCH INTERNATIONAL, vol.0, pp.240-245, 2014 (SCI-Expanded)
- LXVIII. **High temperature tribological behaviour of borided surfaces based on the phase structure of the boride layer**
Çimenoğlu H.
Wear, vol.0, pp.152-158, 2014 (SCI-Expanded)
- LXIX. **A study of indentation for mechanical characterization of the Fe₂B layer**
Campos-Silva I., Hernández-Sánchez E., Rodríguez-Castro G., Çimenoğlu H., Nava-Sánchez J., Meneses-Amador A., Carrera-Espinoza R.
Surface and Coatings Technology, vol.232, pp.173-181, 2013 (SCI-Expanded)
- LXX. **The improvement in the electrical properties of nanospherical ZnO:Al thin film exposed to**

- irradiation using a Co-60 radioisotope**
 Baydoğan N., Özdemir Ö., Çimenoğlu H.
 RADIATION PHYSICS AND CHEMISTRY, vol.89, pp.20-27, 2013 (SCI-Expanded)
- LXXI. **Fatigue performance of low temperature nitrided AISI 321 grade austenitic stainless steel**
 Celik O., Baydoğan M., Atar E., Kayali E. S., Çimenoğlu H.
 MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.565, pp.38-43, 2013 (SCI-Expanded)
- LXXII. **Growth kinetics and mechanical properties of boride layers formed at the surface of the ASTM F 75 biomedical alloy**
 Campos-Silva I., Bravo-Bárcenas D., Meneses-Amador A., Ortiz-Dominguez M., Çimenoğlu H., Figueroa-López U., Andraca-Adame J.
 Surface and Coatings Technology, vol.0, pp.402-414, 2013 (SCI-Expanded)
- LXXIII. **Flaw Detection of Welded Joints Using Radiographic Examination**
 Çimenoğlu H.
 Academic Journal of Science, vol.0, pp.391-396, 2013 (SCI-Expanded)
- LXXIV. **TRIBOLOGICAL BEHAVIOUR OF DUPLEX TREATED PLASTIC MOLD STEEL**
 Çimenoğlu H.
 Journal of the Balkan Tribological Association, vol.19, no.1, pp.37-43, 2013 (SCI-Expanded)
- LXXV. **Effect of annealing temperature on ZnO:Al/p-Si heterojunctions**
 Baydoğan N., KARACASU O., Çimenoğlu H.
 THIN SOLID FILMS, vol.520, no.17, pp.5790-5796, 2012 (SCI-Expanded)
- LXXVI. **Synthesis microstructure and mechanical properties of WC TiC Co ceramic composites**
 Duman D., Gokce H., Çimenoğlu H.
 Journal of the European Ceramic Society, vol.32, no.7, pp.1427-1433, 2012 (SCI-Expanded)
- LXXVII. **Synthesis, microstructure, and mechanical properties of WC-TiC-Co ceramic composites**
 Duman D., Gökçe H., Çimenoğlu H.
 JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, vol.32, no.7, pp.1427-1433, 2012 (SCI-Expanded)
- LXXVIII. **ZnO Al Thin Films used in ZnO Al p Si Heterojunctions**
 Çimenoğlu H.
 Journal of Sol-Gel Science and Technology, vol.61, no.3, pp.620-627, 2012 (SCI-Expanded)
- LXXIX. **ZnO:Al thin films used in ZnO: Al/p-Si heterojunctions**
 Baydoğan N., KARACASU O., Çimenoğlu H.
 JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.61, no.3, pp.620-627, 2012 (SCI-Expanded)
- LXXX. **Service Life Estimation for a Reformer Tube against Creep Dominated Failure**
 Baydoğan M., Kayali E. S., Cimenoglu H.
 MATERIALS TESTING, vol.54, no.1, pp.49-52, 2012 (SCI-Expanded)
- LXXXI. **Investigation into Mechanical Properties of High Strength Steel Plates Welded with Low Temperature Transformation LTT Electrodes**
 Özdemir O., Çam G., Çimenoğlu H., Koçak M.
 International Journal of Surface Science and Engineering, vol.6, no.1, pp.157-173, 2012 (SCI-Expanded)
- LXXXII. **Diffusion model for growth of Fe2B layer in pure iron**
 Campos-Silva I., Ortiz-Dominguez M., Cimenoglu H., Escobar-Galindo R., Keddam M., Elias-Espinosa M., Lopez-Perrusquia N.
 SURFACE ENGINEERING, vol.27, no.3, pp.189-195, 2011 (SCI-Expanded)
- LXXXIII. **ZrC particle reinforced Al-4 wt.% Cu alloy composites fabricated by mechanical alloying and vacuum hot pressing: Microstructural evaluation and mechanical properties**
 KAFTELEN H., Öveçoğlu M. L., Henein H., CIMENOGLU H.
 MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.527, pp.5930-5938, 2010 (SCI-Expanded)
- LXXXIV. **Sliding wear behaviour of ZrN and (Zr, 12 wt% Hf)N coatings**
 Atar E., Kayali E., Cimenoglu H.

- TRIBOLOGY INTERNATIONAL, vol.39, no.4, pp.297-302, 2006 (SCI-Expanded)
- LXXXV. **High temperature abrasive wear behavior of an as-cast ductile iron**
 Celik O., Ahlatci H., Kayali E., Cimenoglu H.
 WEAR, vol.258, pp.189-193, 2005 (SCI-Expanded)
- LXXXVI. **Effect of oxidation on the wear behavior of a ZrN coating**
 Atar E., Cimenoglu H., Kayali E.
 HIGH-PERFORMANCE CERAMICS III, PTS 1 AND 2, pp.1459-1462, 2005 (SCI-Expanded)
- LXXXVII. **A study on sliding wear of a 7075 aluminum alloy**
 Baydogan M., Cimenoglu H., Kayali E.
 WEAR, vol.257, pp.852-861, 2004 (SCI-Expanded)
- LXXXVIII. **Abrasive wear behavior and mechanical properties of Al-Si/SiC composites**
 Ahlatci A., Candan E., Cimenoglu H.
 WEAR, vol.257, pp.625-632, 2004 (SCI-Expanded)
- LXXXIX. **Effect of thermal oxidation on corrosion and corrosion-wear behaviour of a Ti-6Al-4V alloy**
 Guleryuz H., Cimenoglu H.
 BIOMATERIALS, vol.25, no.16, pp.3325-3333, 2004 (SCI-Expanded)
- XC. **Tribological performance of ceramic coatings deposited on polymer substrates**
 Samur R., Mindivan H., Cimenoglu H., Kayali E.
 EURO CERAMICS VIII, PTS 1-3, pp.581-584, 2004 (SCI-Expanded)
- XCI. **Fretting wear of ZrN and Zr(21% Hf)N coatings**
 Atar E., Cimenoglu H., Kayali E.
 EURO CERAMICS VIII, PTS 1-3, pp.477-480, 2004 (SCI-Expanded)
- XCII. **The effect of oxide addition on the wear performance of the alumina based nozzles**
 Palaci Y., Cimenoglu H., Kayali E.
 EURO CERAMICS VIII, PTS 1-3, pp.805-808, 2004 (SCI-Expanded)
- XCIII. **Influence of retrogression and re-ageing on the mechanical and corrosion properties of 7039 aluminium alloy**
 Saglam U., Baydogan M., Mindivan H., Kayali E., Cimenoglu H.
 ZEITSCHRIFT FUR METALLKUNDE, vol.95, no.1, pp.14-17, 2004 (SCI-Expanded)
- XCIV. **Deformation induced surface roughening of austenitic stainless steels**
 Baydogan M., Akoy M., Kayali E., Cimenoglu H.
 ISIJ INTERNATIONAL, vol.43, no.11, pp.1795-1798, 2003 (SCI-Expanded)
- XCV. **Effect of the particle size on the mechanical properties of 60 vol. % SiCp reinforced Al matrix composites**
 Ahlatci H., Candan E., Cimenoglu H.
 ZEITSCHRIFT FUR METALLKUNDE, vol.93, no.4, pp.330-333, 2002 (SCI-Expanded)
- XCVI. **Characterization and machining performance of TiN coated M 35 quality cutting tools**
 Ahlatci H., Turkuz M., Cimenoglu H., Ürgen M. K., Kayali E.
 METALL, vol.56, no.4, pp.204-207, 2002 (SCI-Expanded)
- XCVII. **The effect of austempering time on mechanical properties of a ductile iron**
 Baydogan M., Cimenoglu H.
 SCANDINAVIAN JOURNAL OF METALLURGY, vol.30, no.6, pp.391-395, 2001 (SCI-Expanded)
- XCVIII. **Abrasive wear behaviour of Al-SiC composites produced by pressure infiltration technique**
 Candan E., Ahlatci H., Cimenoglu H.
 WEAR, vol.247, no.2, pp.133-138, 2001 (SCI-Expanded)
- XCIX. **An energetic approach to abrasive wear of a martensitic stainless steel**
 Pamuk U., Baydogan M., Nilufer B., Cimenoglu H.
 SCRIPTA MATERIALIA, vol.42, no.9, pp.881-885, 2000 (SCI-Expanded)
- C. **The effect of deformation before ageing on the wear resistance of an aluminium alloy**
 Sun Y., Baydogan M., Cimenoglu H.
 MATERIALS LETTERS, vol.38, no.3, pp.221-226, 1999 (SCI-Expanded)

- CI. THE OCCURRENCE OF YIELD-POINT AFTER STRESS-RELAXATION IN A PLAIN CARBON DUAL-PHASE STEEL
CIMENOGLU H., KAYALI E., DIKEC F.
SCRIPTA METALLURGICA, vol.23, no.9, pp.1543-1547, 1989 (SCI-Expanded)

Articles Published in Other Journals

- I. Effect of testing temperature on the impact-sliding wear behaviour of a 316L austenitic stainless steel
Gumuslu T., Kaba M., Atar E., Çimenoğlu H.
Materials Today: Proceedings, vol.81, pp.81-86, 2023 (Scopus)
- II. Effects of Boriding, Nitrocarburizing, Nitriding and Post-oxidation Treatments on The Tribological Properties of DIN 32CrMoV12-10 Steel
ÇİMENOĞLU H., Çep H., KOVACI H., ÇELİK A.
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.14, pp.936-949, 2021 (Peer-Reviewed Journal)
- III. An Investigation on the Longitudinal Cracking of Electric Resistance Welded Steel Pipes
Kaba M., Altay M., Çimenoğlu H.
JOURNAL OF FAILURE ANALYSIS AND PREVENTION, vol.20, no.3, pp.657-662, 2020 (ESCI)
- IV. Impact-Sliding Wear Behaviour of Nitrided H13 Steel Tool Steels
akyıldız e., altay m., MUHAFFEL F., özkurt s., ATAR E., ÇİMENOĞLU H.
Key Engineering Materials, vol.813, pp.417-422, 2019 (Scopus)
- V. The effect of SiC reinforcement on tribological behavior of cols sprayed coatings in water
Deprem Ö., Paksoy A. H., TAZEGÜL O., ÇİMENOĞLU H.
Tribology-Materials, Surfaces Interfaces, vol.11, no.1, pp.14-18, 2017 (Peer-Reviewed Journal)
- VI. The effect of SiC reinforcement on tribological behaviour of cold sprayed coatings in water
Deprem O., Paksoy A. H., Tazegül O., Çimenoğlu H.
TRIBOLOGY-MATERIALS SURFACES & INTERFACES, vol.11, no.1, pp.14-18, 2017 (ESCI)
- VII. Characteristic of MAO coatings formed on CuAl2 in-situ reinforced aluminum matrix composites
Mafouz D., Paksoy A., Muhaffel F., Tazegul O., Çimenoğlu H.
Archives of Materials Science and Engineering, vol.79, no.2, pp.60-63, 2016 (Scopus)
- VIII. Oxidized Titanium
GÜLERYÜZ H., Muhaffel F., Çimenoğlu H.
MATERIALS FOR TOTAL JOINT ARTHROPLASTY: BIOTRIBOLOGY OF POTENTIAL BEARINGS, pp.355-393, 2016 (Peer-Reviewed Journal)
- IX. The characterization of optical properties of beta irradiated ZnO: Al thin film
Tugral H., Baydoğan N., ÇİMENOĞLU H.
JOURNAL OF OPTICS-INDIA, vol.44, no.3, pp.233-239, 2015 (ESCI)
- X. Beta Irradiation Effect on CuInGa Se 2 Thin Films
Akyol Ş., Baydoğan N., Cancı Matur U., Çimenoğlu H.
Defect and Diffusion Forum, vol.365, pp.249-254, 2015 (Scopus)
- XI. Characterization and Tribological Properties of Hard Anodized and Micro Arc Oxidized 5754 Quality Aluminum Alloy
Melih Ö., MUHAFFEL F., ÇİMENOĞLU H.
Tribology in Industry, vol.37, no.1, pp.55-59, 2015 (Scopus)
- XII. An investigation on the mechanical properties of the hard chromium layer deposited by brush plating process on AISI H13 steel
Aydin Z., Aldiç G., Çimenoğlu H.
Archives of Materials Science and Engineering, vol.65, no.2, pp.87-92, 2015 (Scopus)
- XIII. Microstructure and Tribological Properties of PTA Deposited Stellite 12 Coating on Steel Substrate
Amir M., ATAR E., ÇİMENOĞLU H.

- Manufacturing Science and Technology, vol.3, no.5, pp.224-228, 2015 (Peer-Reviewed Journal)
- XIV. **The Optical Properties of CIGS Thin Films Derived by Sol gel Dip Coating Process at Different Withdrawal Speed**
 Cancı Matur U., Şengül A., Baydoğan N., Çimenoğlu H.
Procedia - Social and Behavioral Sciences, vol.195, pp.1762-1767, 2015 (Scopus)
- XV. **POLİ (İMİD SİLOKSAN) KOPOLİMERLERİN FİZİKSEL ÖZELLİKLERİ**
 Doğan T., Köken N., Çimenoğlu H., Baydoğan N.
Ulusal Havacılıkta İleri Teknolojiler Konferansı Serisi (HİTEK), vol.1, pp.1-3, 2014 (Conference Book)
- XVI. **Irradiation Effect on Ta205 thin films**
 Baydoğan N., Çimenoğlu H., Tuğrul A. B., Erkan B.
Defect and Diffusion Forum, vol.353, pp.205-210, 2014 (Scopus)
- XVII. **Effect of Curing Ambient on Poly Methacrylate Living Polymer**
 Bel T., Baydoğan N., Çimenoğlu H.
International Journal of Mechanical and Production Engineering, vol.2, no.3, pp.55-57, 2014 (Peer-Reviewed Journal)
- XVIII. **Seryum Dioksit İlavesinin Zirkonyum Dioksitin Özelliklerine Etkisinin İncelenmesi**
 NİLÜFER İ. B., GÖKÇE H., ÇİMENOĞLU H., ÖVEÇOĞLU M. L.
Mühendis ve Makina, vol.55, no.652, pp.30-33, 2014 (Peer-Reviewed Journal)
- XIX. **Preparation and characterization of hydrothermally treated hydroxyapatite containing titania layer on commercially pure titanium**
 Teker D., Muhaffel F., Çimenoğlu H.
Archives of Materials Science and Engineering, vol.68, no.1, pp.5-9, 2014 (Scopus)
- XX. **The effect of nickel on sliding wear behaviour of cobalt-based hardfacing alloy at elevated temperature**
 Motallebzadeh A., Atar E., Çimenoğlu H.
Archives of Materials Science and Engineering, vol.69, no.2, pp.81-87, 2014 (Scopus)
- XXI. **Investigation of Electrical Properties of CIGS Thin Films Derived by Sol Gel Process**
 Cancı Matur U., Akyol Ş., Çimenoğlu H., Baydoğan N.
TMS 2014, 143rd Annual Meeting & Exhibition, Annual Meeting Supplemental Proceedings, vol.1, no.1, pp.379-381, 2014 (Peer-Reviewed Journal)
- XXII. **Refractive Index and Extinction Coefficient of ZnO Al Thin Films Derived By Sol Gel Dip Coating Technique**
 Özdurmuşoğlu T., Baydoğan N., Tuğrul A. B., Çimenoğlu H.
Defect and Diffusion Forum, vol.334, no.335, pp.290-293, 2013 (Scopus)
- XXIII. **Thermochemical Boriding of Inconel 718 Superalloy**
 Dinç H., Motellabzadeh A., ÇİMENOĞLU H., BAYDOĞAN M.
Academic Journal of Science, vol.2, no.2, pp.385-389, 2013 (Peer-Reviewed Journal)
- XXIV. **Flaw Detection of Welded Joints Using Radiographic Examination**
 Baydoğan N., Çimenoğlu H., Tuğrul A. B., Turan Y.
International Journal of Sciences, vol.2, no.2, pp.391-396, 2013 (Peer-Reviewed Journal)
- XXV. **Surface Characterization of Irradiated ZnO:Al Thin Film By The Reactor Neutrons**
 Çilingiryan K., Yeşilkaya S. S., Çimenoğlu H., Tuğrul B., Baydoğan N.
Defect and Diffusion Forum, vol.334335, pp.294-296, 2013 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **Failure Analysis of Fencing Blades**
 Kibaroglu D., Baydogan M., Cimenoglu H., Bas B., Yagci C., Aliyeva N.
6th International Conference on Fracture Fatigue and Wear (FFW), Porto, Portugal, 26 - 27 July 2017, vol.843
- II. **Production of Microencapsulate Glycidyl Methacrylate with Melamine Formaldehyde Resin Shell**

Materials

Bel T., Ulku G., Kizilcan N., Cimenoglu H., Yahya N., Baydogan N.

4th International Conference on Fundamental and Applied Sciences (ICFAS) held as part of World Engineering, Science and Technology Congress (ESTCON), Kuala-Lumpur, Malaysia, 15 - 17 August 2016, vol.1787

III. Refractive index and extinction coefficient of ZnO:Al thin films derived by sol-gel dip coating technique

Baydogan N., Ozdurmusoglu T., Cimenoglu H., Tugrul A. B.

8th International Conference on Diffusion in Solids and Liquids Mass Transfer - Heat Transfer - Microstructure and Properties - Nanodiffusion and Nanostructured Materials, DSL 2012, İstanbul, Turkey, 25 - 29 June 2012, vol.334-335, pp.290-293

IV. Surface Characterization of Irradiated ZnO:Al Thin Film by Reactor Neutrons

Baydogan N., Cilingiryan K., Tugrul A. B., Cimenoglu H., Yesilkaya S. S.

8th International Conference on Diffusion in Solids Liquids (DSL 2012), İstanbul, Turkey, 25 - 29 June 2012, pp.294-295

V. Capacitance-Voltage (C-V) Properties of ZnO:Al/p-Si Heterojunctions

Baydogan N., Gokce Y., Baydogan M., Cimenoglu H.

8th International Conference on Diffusion in Solids Liquids (DSL 2012), İstanbul, Turkey, 25 - 29 June 2012, pp.349-350

VI. Micro Arc Oxidation of AZ91 Mg Alloy for Improved Corrosion Resistance

Yavuz H. G., Gunyuz M., Ozkara I. M., Baydogan M., Cimenoglu H.

6th International Conference on Diffusion in Solids and Liquids, Paris, France, 5 - 07 July 2010, pp.877-881

VII. The Effect of Micro arc Oxidation Process Parameters on Surface Properties of Ti6Al4v Alloy

Gunyuz M., Baydogan M., Cimenoglu H., Kayali E. S.

6th International Conference on Diffusion in Solids and Liquids, Paris, France, 5 - 07 July 2010, pp.1000-1003

VIII. THE INVESTIGATION OF MICROSTRUCTURAL CHANGES IN ZnO:Al THIN FILM BY BETA IRRADIATION

Tugral H., Baydoğan N., Cimenoilu H., Sengel H., Akmaz F., Parlar A.

138th TMS Annual Meeting and Exhibition, San-Francisco, Costa Rica, 15 - 19 February 2009, pp.629-630

IX. High temperature abrasion behaviour of Al/SiCp composites

Ahlatci H., Candan E., Cimenoglu H.

29th Leeds-Lyon Symposium on Tribology, Leeds, United Kingdom, 3 - 06 September 2002, pp.637-642

Supported Projects

Muhaffel F., XIAO P., YILMAZ E., PAKSOY A. H., Çimenoğlu H., Kaba M., Project Supported by Higher Education Institutions, Zirkonya esası seramik kaplamaların aerosol biriktirme tekniği ile üretimi ve karakterizasyonu, 2023 - Continues
Çimenoğlu H., Kaba M., Muhaffel F., Baydoğan M., Project Supported by Higher Education Institutions, Mikro-ark Oksidasyon Yöntemi ile Kaplanmış Refrakter Yüksek Entropili Alaşımaların Yüksek Sıcaklık Oksidasyon ve Aşınma Davranışlarının İncelenmesi, 2021 - 2024

Muhaffel F., Çimenoğlu H., Kaba M., Baydoğan M., Project Supported by Higher Education Institutions, Mikro Ark Oksidasyon ve Hidrotermal İşlemleri ile Biyolojik Uygulamalara Yönelik Olarak Biyomedikal Titanyum Alaşımalarının Yüzey Modifikasyonu, 2021 - 2024

Çimenoğlu H., Soruşbay B., Project Supported by Higher Education Institutions, Toz metalurjisi ile üretilmiş Ti-xNB alaşımalarının yüzey özelliklerinin bırlama yöntemi ile geliştirilmesi, 2021 - 2024

Çimenoğlu H., Külli G., Project Supported by Higher Education Institutions, Investigations on Reducing Friction Coefficient of MAO Coating Fabricated on 7075 Al Alloy, 2021 - 2024

Çimenoğlu H., CENGİZ S., Muhaffel F., Çetiner D., Kaba M., Project Supported by Higher Education Institutions, Alüminyum Matrisli AlAl2Ce Kompozitlerin Hazırlanması ve Plasma Elektrolitik Oksidasyon Yöntemiyle Kaplanması, 2019 - 2021

Çimenoğlu H., Kaba M., Project Supported by Higher Education Institutions, Yüksek Sıcaklık Uygulamaları İçin Geliştirilen Mg Alaşımalarının Alümina Kaplanması, 2018 - 2021

Çimenoğlu H., Project Supported by Higher Education Institutions, Titanyum alaşımı üzerinde oluşturulan oksit

kaplamaların yüksek sıcaklık aşınma ve korozyonlu yorulma davranışlarının incelenmesi, 2015 - 2020
Çimenoğlu H., Dilawary S. A. A., Project Supported by Higher Education Institutions, Plazma Transfer Ark Sert Kaplamaların Lazer Yüzey Ergitme Tekniği Modifikasiyonu, 2017 - 2019
Çimenoğlu H., Baydoğan M., ATAR E., POLAT M., TUBITAK Project, Supap Üretiminde Kullanılan Ekstrüzyon Kalıplarının Ömrünün İyileştirilmesi İçin Alternatif Çözümlerin Geliştirilmesi, 2017 - 2019
Çimenoğlu H., Project Supported by Higher Education Institutions, Sırtunme karıştırma kaynak yöntemiyle birleştirilmiş alüminyum-magnezyum üzerinde mikro ark oksidayonla koruyucu seramik kaplama oluşturulması, 2016 - 2018
Çimenoğlu H., Project Supported by Higher Education Institutions, Characterization and Tribological Performance of TiB2 Reinforced Al-Al12Si MMCs, 2014 - 2018
Çimenoğlu H., Project Supported by Higher Education Institutions, Nitrürlenmiş Ti6A17Nb Alaşımının Karakteristikleri ve Aşınma Performansı, 2011 - 2018
Çimenoğlu H., Project Supported by Higher Education Institutions, Ti6A17NB ALAŞIMININ YÜZEV ÖZELLİKLERİNİN TERMAL OKSİDASYON İLE GELİŞTİRİLMESİ, 2009 - 2018
Çimenoğlu H., Project Supported by Higher Education Institutions, Ti6Al4V Alaşımının Oksidasyon Davranışı, 2008 - 2018
Çimenoğlu H., Project Supported by Higher Education Institutions, Ti6A14V Alaşımının Borlanması Üzerine Bir Çalışma, 2007 - 2018
Çimenoğlu H., Project Supported by Higher Education Institutions, Titanyum Esaslı Biyomalzemelerin Yüzeylerinde Mikro Ark Oksidasyon ve Hidrotermal İşlemleri ile Antibakteriyel ve Biyoaktif Kaplama Oluşturulması, 2015 - 2017
Çimenoğlu H., Project Supported by Higher Education Institutions, Titanyum Esaslı Biyomalzemelerin Yüzeylerinde Çinko ve Bakır İçerikli Oksit Kaplama Oluşturulması, 2016 - 2016
Çimenoğlu H., Project Supported by Higher Education Institutions, Saf Titanyum Malzeme Yüzeyinde Lazer Yeniden Ergitme Yöntemiyle Titanyum Alüminyum İntermetalik Tabakasının Oluşturulması, 2016 - 2016
Çimenoğlu H., Project Supported by Higher Education Institutions, Zirkonyum Oksit Tozlarının Değerlendirilmesi, 2010 - 2016
Çimenoğlu H., Project Supported by Higher Education Institutions, Kobalt Esaslı Stellite Matrisli Karbür Takviyeli Kompozit Kaplamaların Korozyon Ve Aşınma dAVRANIŞLARININ İncelenmesi, 2013 - 2015
Çimenoğlu H., Project Supported by Higher Education Institutions, Magnezyum Esaslı Alaşımının Mikro Ark Oksidasyon İşlemi İle Yüzey Özelliklerinin Geliştirilmesi, 2013 - 2015
Çimenoğlu H., Project Supported by Higher Education Institutions, Titanyum Esaslı Alaşımının Nitrasyonu, 2012 - 2015
Çimenoğlu H., Project Supported by Higher Education Institutions, Biyolojik Uygulamalara Yönelik Olan CoCrMo Alaşımının Yüzeyinin TiO₂ ve Ag/TiO₂ Kaplanması, 2011 - 2012
Çimenoğlu H., Project Supported by Higher Education Institutions, Inconel 718 Alaşımının Yüksek Sıcaklık Yapısal ve Mekanik Özelliklerinin Isıl İşlem Koşullarına Bağlı Olarak Belirlenmesi, 2011 - 2012
Çimenoğlu H., Project Supported by Higher Education Institutions, AISI H 13 Kalite Sıcak İş Takım Çeliğinin Düşük Sıcaklık ve Konvansiyonel Nitrürleme Yöntemi ile Aşınma Özelliklerinin Geliştirilmesi, 2010 - 2011
Çimenoğlu H., Project Supported by Higher Education Institutions, Metalik İmpant Malzemesinin Sol-jel Yöntemi ile Yüzey Özelliklerinin Geliştirilmesi, 2010 - 2011
Çimenoğlu H., Project Supported by Higher Education Institutions, RADRASYONA MARUZ KALAN ZnO:AL İNCE FİMLERİN HETEROKAVŞAK YAPILARDA KULLANIMI, 2010 - 2011
Çimenoğlu H., Project Supported by Higher Education Institutions, Beyaz dökme Demirden Üretilmiş Maden Kırıcılarının Aşınma Özelliklerine Bor Katkısının ve Isıl İlşemin Etkisi, 2010 - 2011
Çimenoğlu H., Project Supported by Higher Education Institutions, Ortopedik İmplantların Yüzey Özelliklerinin Geliştirilmesi, 2010 - 2011
Çimenoğlu H., Project Supported by Higher Education Institutions, TİTANYUM TALAŞINDAN TİTANYUM MATRİSLİ KARBÜR TAKVIYELİ KOMPOZİT ÜRETİMİ, 2009 - 2011
Çimenoğlu H., Project Supported by Higher Education Institutions, Isıl İşlem Parametrelerinin ve Kimyasal Kompozisyonunun Sıcak İş Takım Çeliklerinin Mekanik Özelliklerinin Etkisi, 2009 - 2011
Çimenoğlu H., Project Supported by Higher Education Institutions, Sr-90 Radyoizotopu ile Işınlanan İletken Geçirgen ZnO;Al Film Yapısındaki Renk Merkezlerinin Geliştirilmesi, 2009 - 2011
Çimenoğlu H., Project Supported by Higher Education Institutions, İçleri Boş Seramik Mikro Küre Katkılı Isı Yalıtım

Kaplamlarının Üretimi, karakterizasyonu ve Ev Tipi Fırınların Yalıtımındaullanımları, 2009 - 2010
Çimenoğlu H., Project Supported by Higher Education Institutions, Tİ6A17NB ALAŞIMININ TERMAL OKSİDASYON
YÖNTEMİYLE YÜZEY ÖZELLİKLERİNİN GELİŞTİRİLMESİ, 2009 - 2010
Çimenoğlu H., Project Supported by Higher Education Institutions, Sol-Gel Tekniği ile Üretilen Gama Işınlarına Maruz
Kalmış Al Katkılı ZnO Filmlerin Yüzey Özelliklerinin İncelenmesi, 2008 - 2010
Çimenoğlu H., Project Supported by Higher Education Institutions, 316L Paslanmaz Çeliğin Aşınma ve Sırtınme
Davranışının İncelenmesi, 2008 - 2008
Çimenoğlu H., Project Supported by Higher Education Institutions, Farklı Yüzey İşlemleri Uygulanmış Titanyum
Alaşımının Biyoyumluluklarının İncelenmesi, 2007 - 2008
Çimenoğlu H., Project Supported by Higher Education Institutions, Titanyum ve Alaşımının Yüzeylerinin Mikro Ark
Oksidasyon İşlemi ile kaplanması, 2007 - 2008
Çimenoğlu H., Project Supported by Higher Education Institutions, Metal Yüzeylerinin Daldırma (dip-coating) Yöntemi ile
Modifikasyonu, 2007 - 2008
Çimenoğlu H., Project Supported by Higher Education Institutions, Akuşan Yataklı Fırında Ti ve Alaşımının Oksidasyon
İşlemi ve malzeme Özellikleri Üzerindeki Etkisinin Araştırılması, 2006 - 2008
Çimenoğlu H., Project Supported by Higher Education Institutions, Metal Özlu Tellerin Kaynak Esnasındaki Ergime
kapasitelirinin ve Kaynak parametrelerine Bağlı Mekanik Özelliklerinin İncelenmesi, 2006 - 2008
Çimenoğlu H., Project Supported by Higher Education Institutions, Basınçlı İnfiltasyon Yöntemi ile Üretilen B4C Partikül
Takviyeli "Al-Mg" Alaşım Matriksli Kompozitlerin Aşınma Davranışlarının İncelenmesi, 2005 - 2008
Çimenoğlu H., Project Supported by Higher Education Institutions, RRA Isıl İşleminin Alüminyum Alaşımının Korozyon
ve Aşınma Davranışına Etkisi, 2005 - 2006
Çimenoğlu H., Project Supported by Higher Education Institutions, RRA Isıl İşleminin Alüminyum Alaşımının Korozyon
ve Aşınma Davranışlarına Etkisi, 2004 - 2006
Çimenoğlu H., Project Supported by Higher Education Institutions, Alüminyum Üzerine Isıl Püskürme Yöntemiyle
Oluşturulan Çelik Kaplamların Aşınma Davranışlarının İncelenmesi, 2003 - 2006
Çimenoğlu H., Project Supported by Higher Education Institutions, Yüksek Krom ve Nikelli Dökme Çeliklerin Yüksek
Sıcaklık Aşınma Davranışlarının İncelenmesi, 2003 - 2006
Çimenoğlu H., Project Supported by Higher Education Institutions, Paslanmaz Çeliklerin Kuru ve Korozif Ortamlardaki
Tribolojik Davranışlarının İncelenmesi, 2003 - 2004
Çimenoğlu H., Project Supported by Higher Education Institutions, Zincir Çeliklerin Soğuk Çekme Oranına Bağlı Olarak
Deformasyon davranışlarının Belirlenmesi, 2003 - 2004
Çimenoğlu H., Project Supported by Higher Education Institutions, Alüminyumun Mekanik Özelliklerine Magnez yum ve
Silisyumun Etkileri, 2001 - 2004
Çimenoğlu H., Project Supported by Higher Education Institutions, İnfiltasyon Yöntemi ile Alüminyum Matrisli Kompozit
Malzeme Üretimi, 1999 - 2004
Çimenoğlu H., Project Supported by Higher Education Institutions, Retrogresyon ve Yeniden Yaşılandırma Isıl İşlemleri
Uygulanmış Alüminyum Alaşımının Yorulma Çatla, 1999 - 2004
Çimenoğlu H., Project Supported by Higher Education Institutions, Basılı İnfiltasyon Yöntemi ile Üretilen Sic+ A1203
Partikül Takviyeli (Mg-Al) Metal Matriksli Kompozitlerin Aşınma Davranışlarının İncelenmesi, 2001 - 2003
Çimenoğlu H., Project Supported by Higher Education Institutions, Yüksek Hacim Oranında Al203 Takviyeli Aliminyum
matrisli Kompozitlerin Aşınma Davranışlarının İncelenmesi, 2001 - 2001
Çimenoğlu H., Project Supported by Higher Education Institutions, Çeliklerin Abresif Aşınma Davranışlarının İncelenmesi,
2000 - 2001
Çimenoğlu H., Project Supported by Higher Education Institutions, Düşük Karbonlu Çelik Saçların Biçimenebilirliliklerin
İncelenmesi, 2000 - 2001
Çimenoğlu H., Project Supported by Higher Education Institutions, Basınçlı Döküm Yöntemi ile Üretilen Zamak
Alaşımının Aşınma Direncine Alaşım Elementlerinin Etkisi, 1999 - 2000

Activities in Scientific Journals

Memberships / Tasks in Scientific Organizations

Grup Yürütme Komitesi, Board Member, 2014 - Continues

TAEK, Board Member, 2014 - 2016

Scientific Refereeing

Tribology International, SCI Journal, January 2016

Biomaterials, SCI Journal, January 2016

Materials Science and Engineering A, SCI Journal, January 2016

Journal of Biomedical Research, SCI Journal, January 2016

Wear, SCI Journal, January 2016

Materials Science and Engineering C, SCI Journal, January 2016

Metrics

Publication: 353

Citation (WoS): 3046

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H-Index (WoS): 31

H-Index (Scopus): 32