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International Researcher IDs

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Biography

Dr Egemen Avcu is an Assistant Professor at the Department of Machine and Metal Technologies, Ford Otosan İhsaniye Automotive Vocational School, Kocaeli University, Turkey. He has currently ongoing international research collaborations with Universities in the UK, Germany, and Turkey. He has been teaching courses on materials science and mechanical engineering at course coordinator and lecturer levels at the School of Materials, The University of Manchester (since 2018), at Department of Mechanical Eng., and Department of Mechatronic Eng., Kocaeli University (since 2013).

Egemen Avcu's research background falls mainly into the field of understanding the microstructure-mechanical and tribological behaviour relationship of materials, and the development and processing of advanced materials and coatings, particularly composites. His research area covers; i) mechanical, tribological, and surface characterisation of aerospace materials, ii) processing of advanced composite materials and coatings, and iii) design and development of testing and processing systems.

Education Information

- I. Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, Turkey 2011 - 2013
- II. Postgraduate, Kocaeli University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, Turkey 2009 - 2011
- III. Undergraduate Double Major, Kocaeli University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 2003 - 2010
- IV. Undergraduate, Kocaeli University, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, Turkey 2003 - 2007

Dissertations

- I. Doctorate, TİTANYUM ALAŞIMLARININ PARTİKÜL EROZYONU İLE PÜRÜZLENDİRİLMESİ VE AŞINDIRILMASI İŞLEMLERİNİN OPTİMİZASYONU , Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, 2013
- II. Postgraduate, Farklı büyüklüklere sahip aşındırıcı partikül karışımlarının ti6al4v alaşımının erozif aşınma davranışına etkileri, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, 2011

Research Areas

Academic Titles / Tasks

- I. Associate Professor, Kocaeli University, Ford Otosan İhsaniye Otomotiv Meslek Yüksekokulu, Makine Ve Metal Teknolojileri, 2021 - Continues
- II. Assistant Professor, Kocaeli University, Ford Otosan İhsaniye Otomotiv Meslek Yüksekokulu, Makine Ve Metal Teknolojileri Bölümü, 2018 - 2021
- III. Assistant Professor, Kocaeli University, Ford Otosan İhsaniye Otomotiv Meslek Yüksekokulu, Makine Ve Metal Teknolojileri Bölümü, 2013 - 2018
- IV. Assistant Professor, Friedrich-Alexander-Universitaet Erlangen-Nürnberg, Technische Fakultat, Institute For Biomaterials, 2016 - 2016
- V. Research Assistant, Kocaeli University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, 2010 - 2013

Academic and Administrative Experience

- I. Kocaeli Üniversitesi, Ford Otosan İhsaniye Otomotiv Meslek Yüksekokulu, 2014 - Continues
- II. Kocaeli Üniversitesi, Ford Otosan İhsaniye Otomotiv Meslek Yüksekokulu, 2013 - 2016
- III. Kocaeli Üniversitesi, Ford Otosan İhsaniye Otomotiv Meslek Yüksekokulu, 2013 - 2016

Courses

- I. YÜKSEK LİSANS TEZ, Associate Degree
- II. Malzemelerin Mekanik Yüzey İşlemleri, Postgraduate
- III. Malzemelerin Mekanik Yüzey İşlemleri, Doctorate
- IV. MALZEME BİLGİSİ, Associate Degree
- V. YÜZEY BİLGİSİ, Associate Degree
- VI. TEMEL İMALAT YÖNTEMLERİ, Associate Degree

Advising Theses

- I. AVCU E., Metalik malzemelerin bilyalı dövme uygulaması sonrası tribolojik davranışının deneysel olarak incelenmesi, Postgraduate, H.ARDA(Student), 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Wear resistance of an additively manufactured high-carbon martensitic stainless steel**
Iakovakis E., AVCU E., Roy M. J. , Gee M., Matthews A.
SCIENTIFIC REPORTS, vol.12, no.1, 2022 (Journal Indexed in SCI)
- II. **Dry sliding wear behaviour of additive manufactured CrC-rich WC-Co cemented carbides**
Iakovakis E., AVCU E., Roy M. J. , Gee M., Matthews A.
WEAR, vol.486, 2021 (Journal Indexed in SCI)
- III. **Modification of surface and subsurface properties of aa1050 alloy by shot peening**
Avcu Y., Gönül B., Yetik O., Sönmez F., CENGİZ A., Guney M., AVCU E.

Materials, vol.14, no.21, 2021 (Journal Indexed in SCI)

- IV. **TAILORING SURFACE MORPHOLOGY AND TOPOGRAPHY OF SHOT-PEENED Ti6Al4V VIA GRIT BLASTING**
YILDIRAN AVCU Y., Yetik O., Guney M., SINMAZÇELİK T., AVCU E.
MATERIALI IN TEHNOLOGIJE, vol.55, no.5, pp.625-628, 2021 (Journal Indexed in SCI)
- V. **Surface, Subsurface and Tribological Properties of Ti6Al4V Alloy Shot Peened under Different Parameters**
Yildiran A., Yetik O., Guney M., Iakovakis E., Sinmazçelik T., Avcu E.
MATERIALS, vol.13, no.19, 2020 (Peer-Reviewed Journal)
- VI. **Electrophoretic deposition of chitosan-based composite coatings for biomedical applications: A review**
Avcu E., Bastan F. E. , Abdullah H. Z. , Rehman M. A. U. , Avcu Y., Boccaccini A. R.
PROGRESS IN MATERIALS SCIENCE, vol.103, pp.69-108, 2019 (Journal Indexed in SCI)
- VII. **3D Imaging of Indentation Damage in Bone**
Lowe T., Avcu E., Bousser E., Sellers W., Withers P. J.
MATERIALS, vol.11, no.12, 2018 (Journal Indexed in SCI)
- VIII. **Tailoring the surface characteristics of electrophoretically deposited chitosan-based bioactive glass composite coatings on titanium implants via grit blasting**
Avcu E., Avcu Y., Bastan F. E. , Rehman M. A. U. , Ustel F., Boccaccini A. R.
PROGRESS IN ORGANIC COATINGS, vol.123, pp.362-373, 2018 (Journal Indexed in SCI)
- IX. **Electrophoretic co-deposition of PEEK-hydroxyapatite composite coatings for biomedical applications**
Bastan F. E. , Rehman M. A. U. , Avcu Y., Avcu E., Ustel F., Boccaccin A. R.
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.169, pp.176-182, 2018 (Journal Indexed in SCI)
- X. **Dry Sliding Wear Behaviour of Shot Peened TI6AL4V Alloys at Different Peening Times**
Avcu Y., Yetik O., Kocoglu H., Avcu E., SINMAZÇELİK T.
ACTA PHYSICA POLONICA A, vol.134, no.1, pp.349-353, 2018 (Journal Indexed in SCI)
- XI. **Fracture strengths of endocrown restorations fabricated with different preparation depths and CAD/CAM materials**
Kanat-Erturk B., Sarıdağ S., Köseleler E., Helvacioğlu-Yigit D., Avcu E., Yildiran-Avcu Y.
DENTAL MATERIALS JOURNAL, vol.37, pp.256-265, 2018 (Journal Indexed in SCI)
- XII. **The influences of ECAP on the dry sliding wear behaviour of AA7075 aluminium alloy**
Avcu E.
TRIBOLOGY INTERNATIONAL, vol.110, pp.173-184, 2017 (Journal Indexed in SCI)
- XIII. **Evaluation of dentin defect formation during retreatment with hand and rotary instruments: A micro-CT study**
Yilmaz A., Helvacioğlu-Yigit D., Gur C., Ersev H., Sendur G. K. , Avcu E., Baydemir C., Abbott P. V.
Scanning, vol.2017, 2017 (Journal Indexed in SCI)
- XIV. **Micro-computerized tomography analysis of cement voids and pull-out strength of glass fiber posts luted with self-adhesive and glass-ionomer cements in the root canal**
Sarıdağ S., Helvacioğlu-Yigit D., Oezcan M., Avcu E., Kiziltas G.
Journal of Adhesion Science and Technology, vol.30, no.14, pp.1585-1595, 2016 (Journal Indexed in SCI)
- XV. **Optimization of Surface Properties of Shot Peened TI6AL4V Alloy**
YILDIRAN Y., AVCU E., SINMAZÇELİK T.
ACTA PHYSICA POLONICA A, vol.127, no.4, pp.984-986, 2015 (Journal Indexed in SCI)
- XVI. **Investigation of the Effects of Erosion Test Parameters on the Particle Impingement Velocity by Using CFD Analysis**
ÖNEN B., Yildiran Y., AVCU E., ÇINAR A.
ACTA PHYSICA POLONICA A, vol.127, no.4, pp.1225-1229, 2015 (Journal Indexed in SCI)
- XVII. **Possible Use of Volcanic Ash as a Filler in Polyphenylene Sulfide Composites: Thermal, Mechanical, and Erosive Wear Properties**

- AVCU E., ÇOBAN O., BORA M. Ö. , FİDAN S., SINMAZÇELİK T., ERSOY O.
POLYMER COMPOSITES, vol.35, no.9, pp.1826-1833, 2014 (Journal Indexed in SCI)
- XVIII. **Mechanical and Thermal Properties of Pumice Powder Filled PPS Composites**
ŞAHİN A. E. , YILDIRAN Y., AVCU E., FİDAN S., SINMAZÇELİK T.
ACTA PHYSICA POLONICA A, vol.125, no.2, pp.518-520, 2014 (Journal Indexed in SCI)
- XIX. **Influences of Particle Impingement Angle and Velocity on Surface Roughness, Erosion Rate, and 3D Surface Morphology of Solid Particle Eroded Ti6Al4V Alloy**
AVCU E., YILDIRAN Y., ŞAHİN A. E. , FİDAN S., SINMAZÇELİK T.
ACTA PHYSICA POLONICA A, vol.125, no.2, pp.541-543, 2014 (Peer-Reviewed Journal)
- XX. **Effect of particle impact angle, Erodent particle size and acceleration pressure on the solid particle erosion behavior of 3003 Aluminum alloy**
Yildiran Y., AVCU E., ŞAHİN A. E. , FİDAN S., YETİŞTİREN H., SINMAZÇELİK T.
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- XXI. **Solid particle erosion behaviour of Ti6Al4V alloy**
AVCU E., FİDAN S., YILDIRAN Y., SINMAZÇELİK T.
Tribology - Materials, Surfaces and Interfaces, vol.7, no.4, pp.201-210, 2013 (Journal Indexed in SCI Expanded)
- XXII. **The Effect of TiO2 Filler Content on the Mechanical, Thermal, and Tribological Properties of TiO2/PPS Composites**
BORA M. Ö. , ÇOBAN O., AVCU E., FİDAN S., SINMAZÇELİK T.
POLYMER COMPOSITES, vol.34, no.10, pp.1591-1599, 2013 (Journal Indexed in SCI)
- XXIII. **Effect of heat treatment on erosive wear behaviour of Ti6Al4V alloy**
FİDAN S., AVCU E., Karakulak E., YAMANOĞLU R., ZEREN M., SINMAZÇELİK T.
MATERIALS SCIENCE AND TECHNOLOGY, vol.29, no.9, pp.1088-1094, 2013 (Peer-Reviewed Journal)
- XXIV. **Solid Particle Erosive Wear Behavior of Glass Mat Reinforced PPS Composites: Influence of Erodent Particle Size, Pressure, Particle Impingement Angle, and Velocity**
AVCU E., FİDAN S., BORA M. Ö. , ÇOBAN O., TAŞKIRAN I., SINMAZÇELİK T.
ADVANCES IN POLYMER TECHNOLOGY, vol.32, 2013 (Peer-Reviewed Journal)
- XXV. **A Study on the Derivation of Parametric Cutting Force Equations in Drilling of GFRP Composites**
OKUTAN E., KARABAY S., SINMAZÇELİK T., AVCU E.
STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING, vol.59, no.2, pp.97-105, 2013 (Peer-Reviewed Journal)
- XXVI. **THE COMPARISON OF SOLID PARTICLE EROSION BEHAVIORS OF AA-1070 AND AA-6101 ALLOYS USED IN POWER TRANSMISSION LINES IN TURKEY**
AVCU E., FİDAN S., KARABAY S., SINMAZÇELİK T.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.27, no.4, pp.865-874, 2012 (Journal Indexed in SCI)
- XXVII. **Internal damage investigation of the impacted glass/glass plus aramid fiber reinforced composites by micro-computerized tomography**
FİDAN S., SINMAZÇELİK T., AVCU E.
NDT & E INTERNATIONAL, vol.51, pp.1-7, 2012 (Journal Indexed in SCI)
- XXVIII. **The Influence of Annealing on the Crystallization and Tribological Behavior of MWNT/PEEK Nanocomposites**
ÇOBAN O., BORA M. Ö. , AVCU E., SINMAZÇELİK T.
POLYMER COMPOSITES, vol.32, no.11, pp.1766-1771, 2011 (Peer-Reviewed Journal)
- XXIX. **A review: Fibre metal laminates, background, bonding types and applied test methods**
SINMAZÇELİK T., AVCU E., BORA M. Ö. , ÇOBAN O.
MATERIALS & DESIGN, vol.32, no.7, pp.3671-3685, 2011 (Peer-Reviewed Journal)

- I. **High-velocity air fuel coatings for steel for erosion-resistant applications**
YILDIRAN AVCU Y., Guney M., AVCU E.
JOURNAL OF ELECTROCHEMICAL SCIENCE AND ENGINEERING, 2022 (Journal Indexed in ESCI)
- II. **Effect of micro blasting process parameters on 3D surface topography and surface properties of zirconia (Y-TZP) ceramics**
YETİK O., YAVUZYEĞİT B., YILDIRAN AVCU Y., KOÇOĞLU H., PEKKAN G., SARIDAĞ S., GÜNEY M., AVCU E.
Engineering Reports, vol.3, no.7, 2021 (Refereed Journals of Other Institutions)
- III. **Surface Properties of Titanium Alloys Grit Blasted at Various Particle Impingement Angles**
KOÇOĞLU H., YILDIRAN AVCU Y., YETİK O., AVCU E., SINMAZÇELİK T.
Materials Today: Proceedings, vol.32, pp.18-26, 2020 (Refereed Journals of Other Institutions)
- IV. **The Effects of Grit Size and Blasting Pressure on the Surface Properties of Grit Blasted Ti6Al4V Alloy**
YETİK O., KOÇOĞLU H., YILDIRAN AVCU Y., AVCU E., SINMAZÇELİK T.
Materials Today: Proceedings, vol.32, pp.27-36, 2020 (Refereed Journals of Other Institutions)
- V. **Bilyalı Dövme Parametrelerinin AA7075 Alüminyum Alaşımının Yüzey Altı Özelliklerine Etkileri**
AVCU E.
Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, 2018 (Other Refereed National Journals)
- VI. **Surface Properties of AA7075 Aluminium Alloy Shot Peened under Different Peening Parameters**
AVCU E.
Acta Materialia Turcica, vol.1, pp.3-10, 2017 (Refereed Journals of Other Institutions)
- VII. **Microstructure and Mechanical Properties of High Velocity Oxygen Fuel HVOF Sprayed Nickel Powder Coating on Welding Regions of Aluminum Alloy AA5754 and DP600 Welded Steel Plates with the Friction Stir Spot Welding Process**
Özer M., KAYA H., AVCU E., DEMİR A., UÇAR M., SAMUR R.
Çukurova University, Journal of the Faculty of Engineering and Architecture, no.30, 2016 (Other Refereed National Journals)
- VIII. **Microstructure and Mechanical Properties of High Velocity Oxygen Fuel (HVOF) Sprayed Nickel Powder Coating on Welding Regions of Aluminum Alloy AA5754 and DP600 Welded Steel Plates with the Friction Stir Spot Welding Process - Yüksek Hızlı Oksijen Yakıtlı Alev Toz Püskürtme Yöntemiyle Nikel Kaplanmış AA5754 Alüminyum Alaşımı ve DP600 Galvanizli Çeliğin Sürtünme Karıştırma Nokta Kaynağı ile Birleştirilmesinde Mikroyapı ve Mekanik Özelliklerin İncelenmesi**
Özer M., Kaya H., Avcu E., Demir A., Uçar M., Samur R.
ÇUKUROVA ÜNİVERSİTESİ MÜHENDİSLİK-MİMARLIK FAKÜLTESİ DERGİSİ Çukurova University, Journal of the Faculty of Engineering and Architecture, vol.31, 2016 (Other Refereed National Journals)
- IX. **Vertical fracture resistance of roots retreated using different instrumentation techniques**
YİÇİT D., YILMAZ A., SARIDAĞ S., AVCU E., YILDIRAN Y.
Turkish Endodontic Journal, vol.1, pp.1-6, 2016 (Refereed Journals of Other Institutions)
- X. **Flexural and erosive properties of aviation composites**
BORA M. Ö., ÇOBAN O., AVCU E., FİDAN S., SINMAZÇELİK T.
Society of Plastics Engineers (SPE), pp.1-4, 2013 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation on Mechanical and Surface Properties of AA7075 Alloy Shot Peened with Glass Beads**
YETİK O., YILDIRAN AVCU Y., GÜNEY M., AVCU E.
III. International Turkic World Congress on Science and Engineering, Niğde, Turkey, 14 June 2021
- II. **The Effects of Grit Size and Blasting Pressure on the Surface Properties of Grit Blasted Ti6Al4V Alloy**
Yetik O., Kocoglu H., YILDIRAN AVCU Y., Avcu E., SINMAZÇELİK T.
7th International Advances in Applied Physics and Materials Science Congress and Exhibition (APMAS), Fethiye, Turkey, 22 - 26 April 2017, vol.32, pp.27-36

- III. **Cam fiber takviyeli polyester kompozitte tekrarlı darbe yüklemeleriyle oluşan hasar mekanizmaları**
FİDAN S., AVCU E., SINMAZÇELİK T.
I. Ulusal Ege Kompozit Malzemeler Sempozyumu, Turkey, 17 - 19 November 2011
- IV. **Mikro kumlama ile monolitik zirkonyaların hazırlanması işleminde püskürtme basıncı ve açısının 3 boyutlu yüzey topografyasına ve özelliklerine etkisi**
YETİK O., YAVUZYEĞİT B., YILDIRAN Y., PEKKAN G., SARIDAĞ S., AVCU E.
16th International Materials Symposium (IMSP'2016), 12 - 14 October 2016
- V. **Bilyalı Dövme Parametrelerinin Ti6Al4V Alaşımının Yüzey Pürüzlülüğüne Etkisi**
YILDIRAN Y., YETİK O., YAVUZYEĞİT B., AVCU E., SINMAZÇELİK T.
16th International Materials Symposium (IMSP'2016), 12 - 14 October 2016
- VI. **Mikro kumlama işleminde aşındırıcı boyutunun ve püskürtme basıncının Ti6Al4V alaşımının yüzey topografyasına etkileri**
YETİK O., YILDIRAN Y., YAVUZYEĞİT B., AVCU E.
16th International Materials Symposium (IMSP'2016), 12 - 14 October 2016
- VII. **Mikrokumlama ile konvansiyonel zirkonyaların hazırlanması işleminde aşındırıcı partikül boyutunun ve püskürtme basıncının 3D yüzey topografyasına ve yüzey özelliklerine etkileri**
YAVUZYEĞİT B., YETİK O., YILDIRAN Y., PEKKAN G., SARIDAĞ S., AVCU E.
16th International Materials Symposium (IMSP'2016), 12 - 14 October 2016
- VIII. **THE EFFECTS OF ACCELERATION PRESSURE AND PARTICLE IMPINGEMENT ANGLE ON THE 3D SURFACE TOPOGRAPHY AND THE SURFACE PROPERTIES IN THE PREPARATION PROCESS OF MONOLITHIC ZIRCONIAs WITH MICROSAND BLASTING**
OKAN Y., YAVUZYEĞİT B., YILDIRAN Y., PEKKAN G., SARIDAĞ S., AVCU E.
16. international materials symposium, 12 - 14 October 2016
- IX. **MİKRO KUMLAMA İŞLEMİNDE AŞINDIRICI BOYUTUNUN VE PÜSKÜRTME BASINCININ Ti6Al4V ALAŞIMININ YÜZEY TOPOGRAFYASINA ETKİLERİ**
YETİK O., YAVUZYEĞİT B., YILDIRAN Y., AVCU E.
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- X. **AA7075 ALÜMİNYUM ALAŞIMININ BİLYALI DÖVME İŞLEMİNDE BİLYA BOYUTUNUN YÜZEY PÜRÜZLÜLÜĞÜ 3 BOYUTLU YÜZEY TOPOGRAFYASI VE YÜZEY MORFOLOJİSİNE ETKİLERİ**
AVCU E., HARBELİOĞLU E.
16th International Materials Symposium, Denizli, Turkey, 12 - 14 October 2016, pp.147-156
- XI. **MİKROKUMLAMA İLE KONVANSİYONEL ZİRKONYALARIN HAZIRLANMASI İŞLEMİNDE AŞINDIRICI PARTİKÜL BOYUTUNUN VE PÜSKÜRTME BASINCININ 3D YÜZEY TOPOGRAFYASINA VE YÜZEY ÖZELLİKLERİNE ETKİLERİ**
YAVUZYEĞİT B., YETİK O., PEKKAN G., SARIDAĞ S., YILDIRAN Y., AVCU E.
16th International Materials Symposium, Denizli, Turkey, 12 - 14 October 2016, pp.1167-1175
- XII. **MİKRO KUMLAMA İLE MONOLİTİK ZİRKONYALARIN HAZIRLANMASI İŞLEMİNDE PÜSKÜRTME BASINCI VE AÇISININ 3 BOYUTLU YÜZEY TOPOGRAFYASINA VE ÖZELLİKLERİNE ETKİSİ**
YETİK O., YAVUZYEĞİT B., YILDIRAN Y., PEKKAN G., SARIDAĞ S., AVCU E.
16th International Materials Symposium, Denizli, Turkey, 12 - 14 October 2016, pp.1143-1151
- XIII. **BİLYALI DÖVME PARAMETRELERİNİN Ti6Al4V ALAŞIMININ YÜZEY PÜRÜZLÜLÜĞÜNE ETKİSİ**
YILDIRAN Y., YETİK O., YAVUZYEĞİT B., AVCU E., SINMAZÇELİK T.
16th International Materials Symposium, Denizli, Turkey, 12 - 14 October 2016, pp.308-316
- XIV. **THE EFFECTS OF ERODENT PARTICLE SIZE AND ACCELERATION PRESSURE ON THE 3D SURFACE TOPOGRAPHY AND THE SURFACE PROPERTIES IN THE PREPARATION PROCESS OF CONVENTIONAL ZIRCONIAs WITH MICRO SAND BLASTING**
BERZAH Y., YETİK O., YILDIRAN Y., PEKKAN G., SARIDAĞ S., AVCU E.
16. international materials symposium, 12 - 14 October 2016
- XV. **The Influences of The Erodent Particle Size Distribution on The Solid Particle Erosion of Ti6Al4V Alloy**
AVCU E., YILDIRAN Y., SINMAZÇELİK T.

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- XVI. **The Influences of The Erodent Particle Size on The Surface Roughness Parameter and 3D Surface Topography of Blast Cleaned Ti6Al4V Alloy**
AVCU E., YILDIRAN Y., SINMAZÇELİK T.
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- XIX. **Kumlama Yönteminde Farklı Nozul Tasarımlarının Hedef Malzeme Pürüzlülüğüne Etkileri**
ÖNEN B., YILDIRAN Y., AVCU E., ÇINAR A.
1 st International Conference on Engineering Technolgh and Applied Sciences, 21 - 22 April 2016
- XX. **Kumlama Yönteminde Farklı Nozul Tasarımlarının Partikül Çarpma Hızlarına Ve Erozyon Oranlarına Etkileri**
ÖNEN B., YILDIRAN Y., AVCU E., ÇINAR A.
1st International Conference on Engineering Technology and Applied Sciences, Afyon, Turkey, 21 - 22 April 2016, pp.1336-1341
- XXI. **Effects of Cad Cam Materials and Preparation Depth on Fracture Strength of Endocrown Restorations**
KANAT ERTÜRK B., SARIDAĞ S., KÖSELER A. E. , YİĞİT D., AVCU E.
21 st Congress of the Balkan Stomatological Society (BaSS), 12 - 15 May 2016
- XXII. **Microstructure And Mechanical Properties of High Velocity Oxygen Fuel (HVOF) Sprayed Nickel Powder Coating On Welding Regions Of Aluminum Alloy AA5754 And DP600 Welded Steel Plates With The Friction Stir Spot Welding Process**
Özer M., KAYA H., AVCU E., DEMİR A., UÇAR M., Samur R.
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- XXIII. **COMPARISON OF THE EFFECTS OF ER:YAG AND DIODE LASERS ON TITANIUM AND ROXOLID DISCS**
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