

Assoc. Prof. Kadir Mert Döleker

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: W-2341-2017

ScopusID: 56703426000

Yoksis Researcher ID: 26315

Education Information

Doctorate, Karabuk University, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği (Dr), Turkey 2015 - 2018

Postgraduate, Bartın University, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği (YI) (Tezli), Turkey 2013 - 2015

Undergraduate, Sakarya University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 2008 - 2012

Undergraduate, Sakarya University, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, Turkey 2008 - 2012

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, YSZ, Gd₂Zr₂O₇ ve YSZ/Gd₂Zr₂O₇ içerikli termal bariyer kaplama sistemlerinin izotermal oksidasyon ve termal çevrim davranışlarının incelenmesi, Karabuk University, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği (Dr), 2018

Postgraduate, Bilyalı Dövme İşleminin Termal Bariyer Kaplamaların Oksidasyon Davranışı Üzerine Etkisi, Bartın University, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği (YI) (Tezli), 2015

Research Areas

Metallurgical and Materials Engineering

Academic Titles / Tasks

Associate Professor, Ondokuz Mayıs University, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği Bölümü, 2022 - Continues

Assistant Professor, Ondokuz Mayıs University, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği Bölümü, 2020 -

Continues

Research Assistant, Bartın University, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 2013 - 2020

Academic and Administrative Experience

Ondokuz Mayıs University, 2020 - Continues

Courses

Malzeme Üretim Laboratuvarı I, Undergraduate, 2021 - 2022, 2020 - 2021
İleri Malzeme Karakterizasyonu, Postgraduate, 2021 - 2022, 2020 - 2021
Uzmanlık Alan Dersi, Postgraduate, 2021 - 2022, 2020 - 2021
Fundamentals of Materials Science and Engineering, Postgraduate, 2021 - 2022
Malzeme Seçim ve Tasarımı, Undergraduate, 2021 - 2022, 2020 - 2021
Bitirme Projesi, Undergraduate, 2021 - 2022, 2020 - 2021
Malzeme Bilimi ve Mühendisliğinde Özel Konular I, Undergraduate, 2021 - 2022
Malzeme Bilimi ve Mühendisliğinde Özel Konular II, Undergraduate, 2020 - 2021
Metallerde Isıl İşlemler, Postgraduate, 2020 - 2021
Sır ve Emaye, Undergraduate, 2020 - 2021
Malzeme Üretim Laboratuvarı II, Undergraduate, 2020 - 2021
İNTERMETALİK MALZEMELER, Undergraduate, 2019 - 2020, 2018 - 2019
TASARIM PROJESİ, Undergraduate, 2019 - 2020, 2018 - 2019
TAKIM TEZGAHLARI VE TALAŞLI İMALAT, Undergraduate, 2019 - 2020, 2018 - 2019
FİZİKSEL METALURJİ, Undergraduate, 2019 - 2020, 2018 - 2019
BİTİRME ÖDEVİ, Undergraduate, 2018 - 2019
DÖKÜM TEKNOLOJİSİ, Undergraduate, 2018 - 2019
KAYNAK METALURJİSİ, Undergraduate, 2018 - 2019
ISIL İŞLEMLER, Undergraduate, 2018 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigation of the Surface Degradation Properties of Aluminized Super Austenitic Stainless Steel**
Döleker K. M., Erdogan A., Yener T.
JOM, vol.76, no.1, pp.522-539, 2024 (SCI-Expanded)
- II. **High-temperature corrosion and oxidation properties of borided CoCrFeNiAl_{0.5}Nb_{0.5} HEA**
Döleker K. M., Özgürlük Y., Gokcekaya O., Günen A., Erdoğan A.
SURFACE & COATINGS TECHNOLOGY, vol.470, 2023 (SCI-Expanded)
- III. **Wear, corrosion and oxidation characteristics of consolidated and laser remelted high entropy alloys manufactured via powder metallurgy**
Kafalı M., Döleker K. M., Erdogan A., Sünbül S. E., İçin K., Yıldız A., Gök M. S.
SURFACE & COATINGS TECHNOLOGY, vol.467, 2023 (SCI-Expanded)
- IV. **A comparative study on the surface degradation mechanisms of arc melted and laser remelted CoCrFeNiAl_{0.5}Nb_{0.5} HEA**
İÇİN K., Sunbul S. E., ERDOĞAN A., Döleker K. M.
SURFACE & COATINGS TECHNOLOGY, vol.463, 2023 (SCI-Expanded)
- V. **High-Temperature Oxidation Effect on High-Velocity Oxygen Liquid Fuel and Laser-Remelted High-Velocity Oxygen Liquid Fuel MCrAlY Coatings**
Döleker K. M., Karaoglanlı A. C.

Journal of Materials Engineering and Performance, 2023 (SCI-Expanded)

- VI. **Powder-pack boronizing of CoCrFeNiAl_{0.5}Nb_{0.5} HEA: Modeling of kinetics, microstructural, mechanical, and tribological characterizations**
GÜNEN A., Keddām M., SÜNBÜL S. E., İÇİN K., Döleker K. M., GÖK M. S., Dal S., ERDOĞAN A.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.929, 2022 (SCI-Expanded)
- VII. **Wear and oxidation performances of low temperature aluminized IN600**
YENER T., Döleker K. M., ERDOĞAN A., ÖGE M., ER Y., KARAOĞLANLI A. C., ZEYTİN S.
SURFACE & COATINGS TECHNOLOGY, vol.436, 2022 (SCI-Expanded)
- VIII. **Microstructure, hardness and high temperature wear characteristics of boronized Monel 400**
KÜÇÜK Y., Döleker K. M., GÖK M. S., Dal S., Altınay Y., ERDOĞAN A.
SURFACE & COATINGS TECHNOLOGY, vol.436, 2022 (SCI-Expanded)
- IX. **The influence of Al addition and aluminizing process on oxidation performance of arc melted CoCrFeNi alloy**
Ersun H. B., Döleker K. M.
VACUUM, vol.196, 2022 (SCI-Expanded)
- X. **Comparative study on dry sliding wear and oxidation performance of HVOF and laser re-melted Al_{0.2}CrFeNi(Co,Cu) alloys**
ERDOĞAN A., Döleker K. M.
Transactions of Nonferrous Metals Society of China (English Edition), vol.31, no.8, pp.2428-2441, 2021 (SCI-Expanded)
- XI. **Comparative study on dry sliding wear and oxidation performance of HVOF and laser re-melted Al_{0.2}CrFeNi(Co,Cu) alloys**
ERDOĞAN A., Döleker K. M.
TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA, vol.31, no.8, pp.2428-2441, 2021 (SCI-Expanded)
- XII. **Low-temperature aluminizing influence on degradation of nimonic 80A surface: Microstructure, wear and high temperature oxidation behaviors**
ERDOĞAN A., YENER T., Döleker K. M., Korkmaz M. E., GÖK M. S.
SURFACES AND INTERFACES, vol.25, 2021 (SCI-Expanded)
- XIII. **TGO growth and kinetic study of single and double layered TBC systems**
Döleker K. M., ÖZGÜRLÜK Y., KARAOĞLANLI A. C.
SURFACE & COATINGS TECHNOLOGY, vol.415, 2021 (SCI-Expanded)
- XIV. **Microstructure, wear and oxidation behavior of AlCrFeNi_X (X = Cu, Si, Co) high entropy alloys produced by powder metallurgy**
ERDOĞAN A., SÜNBÜL S. E., İÇİN K., Döleker K. M.
VACUUM, vol.187, 2021 (SCI-Expanded)
- XV. **Investigation of calcium-magnesium-alumino-silicate (CMAS) resistance and hot corrosion behavior of YSZ and La₂Zr₂O₇/YSZ thermal barrier coatings (TBCs) produced with CGDS method**
ÖZGÜRLÜK Y., Döleker K. M., Ahlatci H., KARAOĞLANLI A. C.
SURFACE & COATINGS TECHNOLOGY, vol.411, 2021 (SCI-Expanded)
- XVI. **Enhancing the wear and oxidation behaviors of the Inconel 718 by low temperature aluminizing**
Döleker K. M., ERDOĞAN A., YENER T., KARAOĞLANLI A. C., Uzun O., GÖK M. S., ZEYTİN S.
SURFACE & COATINGS TECHNOLOGY, vol.412, 2021 (SCI-Expanded)
- XVII. **Oxidation and hot corrosion resistance of HVOF/EB-PVD thermal barrier coating system**
Döleker K. M., ÖZGÜRLÜK Y., KAHRAMAN Y., KARAOĞLANLI A. C.
SURFACE & COATINGS TECHNOLOGY, vol.409, 2021 (SCI-Expanded)
- XVIII. **Characteristics, high temperature wear and oxidation behavior of boride layer grown on nimonic 80A Ni-based superalloy**
GÜNEN A., Döleker K. M., Korkmaz M. E., GÖK M. S., ERDOĞAN A.
SURFACE & COATINGS TECHNOLOGY, vol.409, 2021 (SCI-Expanded)
- XIX. **Laser re-melting influence on isothermal oxidation behavior of electric current assisted sintered CoCrFeNi, CoCrFeNiAl_{0.5} and CoCrFeNiTi_{0.5}Al_{0.5} high entropy alloys**

- Döleker K. M., ERDOĞAN A., ZEYTİN S.
SURFACE & COATINGS TECHNOLOGY, vol.407, 2021 (SCI-Expanded)
- XX. **Effect of laser re-melting on electric current assistive sintered CoCrFeNiAlxTiy high entropy alloys: Formation, micro-hardness and wear behaviors**
ERDOĞAN A., Döleker K. M., ZEYTİN S.
SURFACE & COATINGS TECHNOLOGY, vol.399, 2020 (SCI-Expanded)
- XXI. **Comparison of microstructure and oxidation behavior of CoNiCrAlY coatings produced by APS, SSAPS, D-gun, HVOF and CGDS techniques**
KARAOĞLANLI A. C., ÖZGÜRLÜK Y., Döleker K. M.
VACUUM, vol.180, 2020 (SCI-Expanded)
- XXII. **Performance of single YSZ, Gd2Zr2O7 and double-layered YSZ/Gd2Zr2O7 thermal barrier coatings in isothermal oxidation test conditions**
Döleker K. M., KARAOĞLANLI A. C., ÖZGÜRLÜK Y., Kobayashi A.
VACUUM, vol.177, 2020 (SCI-Expanded)
- XXIII. **Formation and growth behavior of TGO layer in TBCs with HVOF sprayed NiCr bond coat**
PARLAKYİĞİT A. S., Ozkan D., ÖGE M., ÖZGÜRLÜK Y., Döleker K. M., Gülmez T., KARAOĞLANLI A. C.
EMERGING MATERIALS RESEARCH, vol.9, no.2, pp.451-459, 2020 (SCI-Expanded)
- XXIV. **The Examination of Microstructure and Thermal Oxidation Behavior of Laser-Remelted High-Velocity Oxygen Liquid Fuel Fe/Al Coating**
Döleker K. M.
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, vol.29, no.5, pp.3220-3232, 2020 (SCI-Expanded)
- XXV. **Interface failure behavior of yttria stabilized zirconia (YSZ), La2Zr2O7, Gd2Zr2O7, YSZ/La2Zr2O7 and YSZ/Gd2Zr2O7 thermal barrier coatings (TBCs) in thermal cyclic exposure**
Karaoglanli A. C., Döleker K. M., Ozgurluk Y.
Materials Characterization, vol.159, 2020 (SCI-Expanded)
- XXVI. **Effect of Al and Ti on High-Temperature Oxidation Behavior of CoCrFeNi-Based High-Entropy Alloys**
Erdogan A., Döleker K. M., Zeytin S.
JOM, vol.71, no.10, pp.3499-3510, 2019 (SCI-Expanded)
- XXVII. **High temperature oxidation behavior of low temperature aluminized Mirrax® ESR steel**
Yener T., Döleker K. M., Erdogan A.
Materials Research Express, vol.6, no.11, 2019 (SCI-Expanded)
- XXVIII. **Investigation of the effect of V2O5 and Na2SO4 melted salts on thermal barrier coatings under cyclic conditions**
Ozgurluk Y., Döleker K. M., Karaoglanli A. C.
Anti-Corrosion Methods and Materials, vol.66, no.5, pp.644-650, 2019 (SCI-Expanded)
- XXIX. **Evaluation of oxidation and thermal cyclic behavior of YSZ, Gd2Zr2O7 and YSZ/Gd2Zr2O7 TBCs**
Döleker K. M., Ozgurluk Y., Ahlatci H., Karaoglanli A. C.
Surface and Coatings Technology, vol.371, pp.262-275, 2019 (SCI-Expanded)
- XXX. **Cyclic hot corrosion failure behaviors of EB-PVD TBC systems in the presence of sulfate and vanadate molten salts**
Ozgurluk Y., Döleker K. M., Ozkan D., Ahlatci H., Karaoglanli A. C.
Coatings, vol.9, no.3, 2019 (SCI-Expanded)
- XXXI. **Effect of high temperature oxidation on Inconel 718 and Inconel 718/YSZ/Gd2Zr2O7**
Döleker K. M., Odabas O., Ozgurluk Y., Askerov H., Karaoglanli A. C.
Materials Research Express, vol.6, no.8, 2019 (SCI-Expanded)
- XXXII. **Isothermal oxidation and thermal cyclic behaviors of YSZ and double-layered YSZ/La2Zr2O7 thermal barrier coatings (TBCs)**
Döleker K. M., Ozgurluk Y., Karaoglanli A. C.
Surface and Coatings Technology, vol.351, pp.78-88, 2018 (SCI-Expanded)
- XXXIII. **Investigation of hot corrosion behavior of thermal barrier coating (TBC) systems with rare earth contents**

- Ozgurluk Y., Döleker K. M., Ahlatci H., Karaoglanli A. C.
Arabian Journal of Geosciences, vol.11, no.11, 2018 (SCI-Expanded)
- XXXIV. **Hot corrosion behavior of YSZ, Gd 2 Zr 2 O 7 and YSZ/Gd 2 Zr 2 O 7 thermal barrier coatings exposed to molten sulfate and vanadate salt**
Ozgurluk Y., Döleker K. M., Karaoglanli A. C.
Applied Surface Science, vol.438, pp.96-113, 2018 (SCI-Expanded)
- XXXV. **Oxidation Behavior of NiCr/YSZ Thermal Barrier Coatings (TBCs)**
Döleker K. M., Ozgurluk Y., PARLAKYİĞİT A. S., Ozkan D., Gülmez T., Karaoglanli A. C.
Open Chemistry, vol.16, no.1, pp.876-881, 2018 (SCI-Expanded)
- XXXVI. **The microstructural investigation of vermiculite-infiltrated electron beam physical vapor deposition thermal barrier coatings**
Ozgurluk Y., Döleker K. M., Ahlatci H., Ozkan D., Karaoglanli A. C.
Open Chemistry, vol.16, no.1, pp.1106-1110, 2018 (SCI-Expanded)
- XXXVII. **Isothermal Oxidation Behavior of Gadolinium Zirconate (Gd₂Zr₂O₇) Thermal Barrier Coatings (TBCs) produced by Electron Beam Physical Vapor Deposition (EB-PVD) technique**
Döleker K. M., Ozgurluk Y., Ahlatci H., Karaoglanli A. C.
Open Chemistry, vol.16, no.1, pp.986-991, 2018 (SCI-Expanded)
- XXXVIII. **Comparison of microstructures and oxidation behaviors of Ytria And magnesia stabilized zirconia thermal barrier coatings (TBC)**
Döleker K. M., Ozgurluk Y., Ozkan D., Mesekiran N., Karaoglanli A. C.
Materiali in Tehnologije, vol.52, no.3, pp.315-322, 2018 (SCI-Expanded)
- XXXIX. **Comparison of Oxidation Behavior of Shot-Peened Plasma Spray Coatings with Cold Gas Dynamic Spray Coatings**
Döleker K. M., Karaoglanli A. C.
Oxidation of Metals, vol.88, no.1-2, pp.121-132, 2017 (SCI-Expanded)
- XL. **Investigation of Isothermal Oxidation Behavior of Thermal Barrier Coatings (TBCs) Consisting of YSZ and Multilayered YSZ/Gd₂Zr₂O₇ Ceramic Layers**
Döleker K. M., Ahlatci H., Karaoglanli A. C.
Oxidation of Metals, vol.88, no.1-2, pp.109-119, 2017 (SCI-Expanded)
- XLI. **Comparison of oxidation behavior of YSZ and Gd₂Zr₂O₇ thermal barrier coatings (TBCs)**
Döleker K. M., Karaoglanli A. C.
Surface and Coatings Technology, vol.318, pp.198-207, 2017 (SCI-Expanded)
- XLII. **Comparison of tribological properties of HVOF sprayed coatings with different composition**
Karaoglanli A. C., Oge M., Döleker K. M., Hotamis M.
Surface and Coatings Technology, vol.318, pp.299-308, 2017 (SCI-Expanded)
- XLIII. **Effect of shot peening on the oxidation behavior of thermal barrier coatings**
Karaoglanli A. C., Döleker K. M., DEMİREL B., Turk A., VAROL R.
Applied Surface Science, vol.354, pp.314-322, 2015 (SCI-Expanded)

Articles Published in Other Journals

- I. **MEKANİK ALAŞIMLANMIŞ AlCuCrFeNi YÜKSEK ENTROPİLİ ALAŞIMININ FİZİKSEL BUHAR BİRİKTİRME TEKNİĞİ İLE KAPLANABİLİRLİĞİNİN İNCELENMESİ**
Şimşek Y. E., DÖLEKER K. M., KURU M., SÜNBÜL S. E., İÇİN K.
Manufacturing Technologies and Applications, no.2, pp.1-8, 2022 (Peer-Reviewed Journal)
- II. **904L Paslanmaz Çeliğe Düşük Sıcaklık Alüminyumlanmanın Etkisi**
Öksüzoğlu E., DÖLEKER K. M.
Avrupa Bilim ve Teknoloji Dergisi, pp.1102-1106, 2021 (Peer-Reviewed Journal)
- III. **ZrO₂-5%CaO TERMAL BARIYER KAPLAMA (TBC) SİSTEMİNİN SICAK KOROZYON DİRENCİ**
DÖLEKER K. M.

El-Cezeri Journal of Science and Engineering, vol.7, no.2, pp.628-638, 2020 (Scopus)

- IV. **The influence of cyclic and isothermal hot corrosion on nickel based superalloy** Çevrimli ve izotermal sıcak korozyonun nikel esaslı süper alaşım malzemeye etkisi

Döleker K. M., Karaoğlu A. C.

El-Cezeri Journal of Science and Engineering, vol.7, no.2, pp.763-772, 2020 (Scopus)

- V. **Hot corrosion resistance of ZrO₂-5%CaO thermal barrier coating (TBC) system** ZrO₂-5%CaO termal bariyer kaplama (TBC) sisteminin sıcak korozyon direnci

Döleker K. M.

El-Cezeri Journal of Science and Engineering, vol.7, no.2, pp.628-638, 2020 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **INVESTIGATION OF TIG MELTING INFLUENCE ON A MECHANICALLY ALLOYED HIGH ENTROPY ALLOY**
Kafalı M., DÖLEKER K. M., SÜNBÜL S. E., İÇİN K.
International Conference on Engineering Technologies (ICENTE'21), Konya, Turkey, 18 November 2021
- II. **CaO-ZrO₂ TERMAL BARIYER KAPLAMA SİSTEMİNE STATİKOKSİDASYONUN ETKİSİ**
DÖLEKER K. M.
2. INTERNATIONAL TURKISH WORLD ENGINEERING AND SCIENCE CONGRESS, 7 - 10 November 2019
- III. **1200 °C DE Gd₂Zr₂O₇ TERMAL BARIYER KAPLAMA (TBC) SİSTEMİNİN OKSİDASYON DAVRANIŞI**
DÖLEKER K. M., KARAOĞLANLI A. C.
2. INTERNATIONAL TURKISH WORLD ENGINEERING AND SCIENCE CONGRESS, 7 - 10 November 2019
- IV. **Investigation of Wear Behavior of Laser Cladded and Laser Heat Treated AlSi Alloy**
ERDOĞAN A., DÖLEKER K. M.
3rd International Engineering Research Symposium (INERS'19), 5 - 07 September 2019
- V. **Oxidation in MCrAlY Coatings**
DÖLEKER K. M., KARAOĞLANLI A. C.
4. International Conference on Material Science and Technology in Kızılcahamam, 18 - 20 October 2019
- VI. **The Examination of Hot Corrosion Effect on 316L Stainless Steel**
DÖLEKER K. M.
4. International Conference on Material Science and Technology in Kızılcahamam, 18 - 20 October 2019
- VII. **The Influence of Cyclic and Isothermal Hot Corrosion on a Nickel Based Superalloy**
DÖLEKER K. M., KARAOĞLANLI A. C.
The International Conference of Materials and Engineering Technologies (TICMET'19), 10 - 12 October 2019
- VIII. **Hot Corrosion Resistance of ZrO₂-5CaO Thermal Barrier Coating TBC System**
DÖLEKER K. M., KARAOĞLANLI A. C.
The International Conference of Materials and Engineering Technologies (TICMET'19), 10 - 12 October 2019
- IX. **Cold Gas Dynamic Spray Coating Technique**
ÖZGÜRLÜK Y., DÖLEKER K. M., AHLATCI H., KARAOĞLANLI A. C.
The International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology (IMSMATEC'19), 21 - 23 June 2019
- X. **MICROSTRUCTURE AND MECHANICAL PROPERTIES OF Al-Si ALLOY PRODUCED BY LASER CLADDING**
DÖLEKER K. M., ERDOĞAN A.
The International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology (IMSMATEC'19), Nevşehir, Turkey, 21 - 23 June 2019
- XI. **Overview Of Thermal Barrier Coating Systems**
ÖZGÜRLÜK Y., DÖLEKER K. M., AHLATCI H., KARAOĞLANLI A. C.
The International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology (IMSMATEC'19), 21 - 23 June 2019
- XII. **Comparison Of Colonsal Microstructured TBCs And Laminar Microstructured TBCs**
ÖZGÜRLÜK Y., DÖLEKER K. M., AHLATCI H., KARAOĞLANLI A. C.

The International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology (IMSMATEC'19), 21 - 23 June 2019

XIII. Effect On High Temperature Oxidation Of Thermal Barrier Coating Usage

DÖLEKER K. M., ÖZGÜRLÜK Y., KARAOĞLANLI A. C.

The International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology (IMSMATEC'19), 21 - 23 June 2019

XIV. Investigation of Oxidation Behavior of NiCr Coated 316L Stainless Steel

DÖLEKER K. M., ÖZGÜRLÜK Y., KARAOĞLANLI A. C.

The International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology (IMSMATEC'19), 21 - 23 June 2019

XV. INVESTIGATION OF OXIDATION BEHAVIOR UNDER HIGHTEMPERATURE CONDITIONS OF INCONEL-718 SUPER ALLOY MATERIAL

DÖLEKER K. M., ÖZGÜRLÜK Y., KARAOĞLANLI A. C.

3rd International Conference on "Material Science and Technology in Cappadocia (IMSTEC'18), 17 - 19 September 2018

XVI. INVESTIGATION OF THERMAL CYCLE DAMAGE MECHANISM INTHERMAL BARRIER COATING

DÖLEKER K. M., ÖZGÜRLÜK Y., KARAOĞLANLI A. C.

3rd International Conference on "Material Science and Technology in Cappadocia (IMSTEC'18), 17 - 19 September 2018

XVII. PRODUCTION METHODS OF CERAMIC COATINGS WITHCOLUMNAR MICROSTRUCTURE

DÖLEKER K. M., ÖZGÜRLÜK Y., KARAOĞLANLI A. C.

3rd International Conference on "Material Science and Technology in Cappadocia (IMSTEC'18), 17 - 19 September 2018

XVIII. HIGH VELOCITY METALLIC COATING PRODUCTION TECHNIQUES

DÖLEKER K. M., ÖZGÜRLÜK Y., KARAOĞLANLI A. C.

3rd International Conference on "Material Science and Technology in Cappadocia (IMSTEC'18), 17 - 19 September 2018

XIX. INVESTIGATION OF THE CHEMICAL DAMAGE MECHANISMS IN THERMAL BARRIER COATING (TBC) SYSTEMS

ÖZGÜRLÜK Y., DÖLEKER K. M., KARAOĞLANLI A. C.

3rd International Conference on "Material Science and Technology in Cappadocia (IMSTEC'18), 17 - 19 September 2018

XX. INVESTIGATION OF OXIDATION DAMAGE MECHANISM INTHERMAL BARIER COATING

DÖLEKER K. M., ÖZGÜRLÜK Y., KARAOĞLANLI A. C.

3rd International Conference on "Material Science and Technology in Cappadocia (IMSTEC'18), 17 - 19 September 2018

XXI. INVESTIGATION OF CERAMIC COATING MATERIALS WITH HIGH TEMPERATURE RESISTANCE

DÖLEKER K. M., ÖZGÜRLÜK Y., KARAOĞLANLI A. C.

3rd International Conference on Material Science and Technology in Cappadocia (IMSTEC'18), 17 - 19 September 2018

XXII. INVESTIGATION OF HOT CORROSION RESISTANCE OF PLASMA SPRAYED THERMAL BARRIER COATINGS (TBCs) IN MOLTEN SALT MIXTURES

ÖZGÜRLÜK Y., DÖLEKER K. M., AHLATCI H., KARAOĞLANLI A. C.

The Internatinonal Conference on Materials Science, Mechanical and Automotive Engineerings and Technology in ÇEŞME/İZMİR (IMSMATEC'18), 10 - 12 April 2018

XXIII. EFFECT OF VERMICULITE MINERAL ON THERMAL BARRIERCOATING (TBC) SYSTEM AT HIGH TEMPERATURE CONDITIONS

ÖZGÜRLÜK Y., DÖLEKER K. M., AHLATCI H., KARAOĞLANLI A. C.

The Internatinonal Conference on Materials Science, Mechanical and Automotive Engineerings and Technology in ÇEŞME/İZMİR (IMSMATEC'18), 10 - 12 April 2018

XXIV. Comparison of Microstructure and Oxidation Behavior of CoNiCrAlY Coatings Produced by APS,

SAPS, D-Gun, HVOF and CGDS Techniques

ÖZGÜRLÜK Y., DÖLEKER K. M., KARAOĞLANLI A. C.

8th Rencontres Internationales sur la Projection Thermique (8RIPT), Limoges, France, 6 - 08 December 2017

- XXV. **Evaluation of Oxidation and Thermal Cyclic Behavior of YSZ, Gd₂Zr₂O₇ and YSZ/Gd₂Zr₂O₇ TBCs**
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- XXVII. **Hot corrosion behavior of YSZ and Gd₂Zr₂O₇ thermal barrier coatings (TBCs) exposed to molten sulfate and vanadate salt**
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- XXVIII. **Isothermal oxidation and thermal cyclic behaviors of YSZ and YSZ/La₂Zr₂O₇ double-layered thermal barrier coatings (TBCs)**
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- XXIX. **Investigation of double-layered rare earth zirconates for thermal barrier coatings (TBCs) applications under isothermal oxidation conditions**
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- XXX. **Microstructural Investigation of MgO Stabilized Zirconia Thermal Barrier Coatings TBC**
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- XXXIV. **Comparison of Oxidation Behavior of Shot Peened Plasma Spray Coatings with Cold Gas Dynamic Spray Coatings**
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- Döleker K. M., Project Supported by Higher Education Institutions, Alüminize edilmiş 904L paslanmaz çeliğin mikroyapı, aşınma ve yüksek sıcaklık oksidasyon özelliklerinin incelenmesi, 2022 - Continues
- Döleker K. M., Project Supported by Higher Education Institutions, Alüminyum alaşımların metalografik muayenesi kapsamında elektro parlatma ve elektro dağlama parametrelerinin optimizasyonu, 2022 - Continues
- Döleker K. M., Project Supported by Higher Education Institutions, Al_{0.5}CrCoFeNiMo_{0.5} Yüksek Entropi alaşımının toz metalürjisi yöntemi ile üretimi, karakterizasyonu ve yüksek sıcaklık oksidasyon performansının incelenmesi, 2022 - Continues
- Döleker K. M., Project Supported by Higher Education Institutions, Toz Metalurjisi ile Üretilmiş Alaşımlarda Yüzey Ergitme İşleminin Etkisinin İncelenmesi, 2022 - Continues
- Döleker K. M., Project Supported by Higher Education Institutions, Nb ve Al içerikli yüksek entropili alaşımların elektrik ark ergitme yöntemi ile üretimi, karakterizasyonu, aşınma ve yüksek sıcaklık oksidasyon performanslarının incelenmesi, 2021 - Continues
- Döleker K. M., TUBITAK Project, AlCrFeNi(MoSi)X Alaşımının Mikroyapı Ve Yüksek Sıcaklık Korozyon Özelliklerinin İncelenmesi, 2023 - 2024
- Döleker K. M., TUBITAK Project, Toz metalurjisi tekniği ile üretilmiş bir yüksek entropili alaşımın çevrimli sıcak korozyon ve oksidasyon performanslarının incelenmesi, 2023 - 2024
- Döleker K. M., TUBITAK Project, MAX fazlı ve yüksek entropi içerikli hibrit alaşım üretimi, karakterizasyonu ve yüksek sıcaklık da statik davranışı, 2023 - 2024
- Döleker K. M., TUBITAK Project, Termokimyasal Teknikle Kaplanmış Bir Yüksek Entropili Alaşımın Mikroyapı ve Oksidasyon Davranışlarının İncelenmesi, 2022 - 2024
- Döleker K. M., Project Supported by Higher Education Institutions, CoCrCuFeNiTi_{0.5} alaşımının üretimi, mikroyapısal karakterizasyonu ve sinterlenme davranışlarının incelenmesi, 2022 - 2023
- Döleker K. M., Project Supported by Higher Education Institutions, Vakumlu ve koruyucu gaz atmosferli ortam düzeneği tasarımı ve alaşım üretiminde kullanımı, 2022 - 2022
- Döleker K. M., TUBITAK Project, Yüksek ve Alüminizasyon Uygulanmış Orta Entropili Alaşımların Mikroyapı ve Yüksek Sıcaklık Oksidasyon Bozunmalarının İncelenmesi, 2021 - 2022
- Döleker K. M., Project Supported by Higher Education Institutions, Lazer Giydirme Tekniği İle Kaplanmış Yüksek Entropili Alaşım Kaplamaların Araştırılması, 2019 - 2020
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Gaz Türbinleri İçin Yenilikçi Kaplama Teknolojileri Kullanılarak Yeni Tip Termal Bariyer Kaplama TBC Malzemelerinin Geliştirilmesi İzotermal ve Termal Çevrim Oksidasyon Davranışlarının İncelenmesi, 2014 - 2017

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