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ONUR VE ÖDÜLLER:

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YAYINLANMIŞ KİTAPLAR ve KİTAPLARDA BÖLÜMLER:

1. Karaoglanli, A. C., Doleker, K. M. and Ozgurluk, Y. (2017). "State of the Art Thermal Barrier Coating (TBC) Materials and TBC Failure Mechanisms. " In Properties and Characterization of Modern Materials (441-452). Springer Singapore.
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2. Doleker, K. M. and Karaoglanli, A. C. (2017). "Comparison of oxidation behavior of shot-

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3. Karaoglanli, A. C., Oge, M., Doleker, K. M. and Hotamis, M. (2017). "Comparison of tribological properties of HVOF sprayed coatings with different composition." Surface and Coatings Technology 318: 299-308.
 4. Doleker, K. M. and Karaoglanli, A. C. (2017). "Comparison of oxidation behavior of YSZ and $Gd_2Zr_2O_7$ thermal barrier coatings (TBCs)." Surface and Coatings Technology 318: 198-207.
 5. Doleker, K. M., Ahlatci, H. and Karaoglanli, A. C. (2017). "Investigation of Isothermal Oxidation Behavior of Thermal Barrier Coatings (TBCs) Consisting of YSZ and Multilayered YSZ/ $Gd_2Zr_2O_7$ Ceramic Layers." Oxidation of Metals 88(1-2): 109-119.
 6. Ozgurluk, Y., Doleker, K. M. and Karaoglanli, A. C. (2018). "Hot Corrosion Behavior of YSZ, $Gd_2Zr_2O_7$ and YSZ/ $Gd_2Zr_2O_7$ Thermal Barrier Coatings Exposed to Molten Sulfate and Vanadate Salt." Applied Surface Science 438: 96-113.
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 8. Ozgurluk, Y., Doleker, K. M., Ahlatci, H. and Karaoglanli, A. C. (2018). "Investigation of hot corrosion behavior of thermal barrier coating (TBC) systems with rare earth contents." Arabian Journal of Geosciences 11(11): 267.
 9. Doleker, K. M., Ozgurluk, Y. and Karaoglanli, A. C. (2018). "Isothermal oxidation and thermal cyclic behaviors of YSZ and double-layered YSZ/ $La_2Zr_2O_7$ thermal barrier coatings (TBCs)." Surface and Coatings Technology 351: 78-88.
 10. Doleker, K. M., Ozgurluk, Y., Parlakyigit, S., Ozkan, D., Gulmez, T. and Karaoglanli, A. C. (2018). "Oxidation Behavior of NiCr/YSZ Thermal Barrier Coatings (TBCs)." Open Chemistry (Accepted, In press).
 11. Doleker, K. M., Ozgurluk, Y., Ahlatci, H. and Karaoglanli, A. C. (2018) "Isothermal Oxidation Behavior of Gadolinium Zirconate ($Gd_2Zr_2O_7$) Thermal Barrier Coatings (TBCs) produced by Electron Beam Physical Vapor Deposition (EB-PVD) technique." Open Chemistry (Accepted Manuscript, In press).
 12. Ozgurluk, Y., Doleker, K. M., Ahlatci, H., Ozkan, D. and Karaoglanli, A. C. (2018). "The Microstructural Behavior Investigation of Vermiculite-Infiltrated Electron Beam Physical Vapor Deposition Thermal Barrier Coatings." Open Chemistry (Accepted Manuscript, In press).

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1. Karaoglanli, A.C., Demirel B., Turk A., Varol R. and Doleker, K. M. (2014). "Effect of Shot Peening on the Oxidation Behaviour of Thermal Barrier Coatings." ECOSS-30 - 30th European Conference on Surface Science, Antalya, Türkiye.
2. Karaoglanli, A.C., Ozgurluk Y. and Doleker, K. M. (2016). "Microstructural Investigation of As Sprayed and Annealed CoNiCrAlY coating produced using Supersonic Atmospheric Plasma Spray (SAPS)." 2nd International Advanced and Functional Materials Technologies (AFMAT), Antalya, Türkiye.
3. Doleker, K. M., Ozgurluk Y. and Karaoglanli, A.C. (2016). "Comparison of Isothermal Oxidation Behavior of CoNiCrAlY Coated and Uncoated Inconel 718 superalloys." 2nd

- International Advanced and Functional Materials Technologies (AFMAT), Antalya, Türkiye.
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 8. Karaoglanli, A.C. and Doleker, K. M. (2016). "Comparison of Oxidation Behavior of Shot Peened Plasma Spray Coatings with Cold Gas Dynamic Spray Coatings." HTCPM 2016 - 9th International Symposium on High-Temperature Corrosion and Protection of Materials, Les Embiez, Fransa.
 9. Doleker, K. M. and Karaoglanli, A.C. (2016). "Investigation of Isothermal Oxidation Behaviors of Thermal Barrier Coatings (TBCs) Consisting of YSZ and Multilayered YSZ/Gd₂Zr₂O₇ Ceramic Layers." HTCPM 2016 - 9th International Symposium on High-Temperature Corrosion and Protection of Materials, Les Embiez, Fransa.
 10. Doleker, K. M. and Karaoglanli, A.C. (2016). "Usage of High Velocity Oxy Fuel (HVOF) Spray Coating process in Wear Based Applications." International Conference on Material Science and Technology in Cappadocia (IMSTEC'16), Nevşehir, Türkiye.
 11. Doleker, K. M., Ozgurluk Y. and Karaoglanli, A.C. (2017). "Isothermal oxidation and thermal cyclic behaviors of YSZ and YSZ/La₂Zr₂O₇ double-layered thermal barrier coatings (TBCs)." 10TH INTERNATIONAL CONFERENCE ON MATERIALS SCIENCE & ENGINEERING (Bramat 2017), Transilvania, Romanya.
 12. Ozgurluk Y., Doleker, K. M. and Karaoglanli, A.C. (2017). "Hot corrosion behavior of YSZ and Gd₂Zr₂O₇ thermal barrier coatings (TBCs) exposed to molten sulfate and vanadate salt." Bramat 2017, Transilvania, Romanya.
 13. Doleker, K. M. and Karaoglanli, A.C. (2017). "Investigation of double-layered rare earth zirconates for thermal barrier coatings (TBCs) applications under isothermal oxidation conditions." 10TH INTERNATIONAL CONFERENCE ON MATERIALS SCIENCE & ENGINEERING (Bramat 2017), Transilvania, Romanya.
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15. Doleker, K. M., Ozgurluk Y., Ahlatci H. and Karaoglanli, A.C. (2017). "Investigation of Oxidation Behavior at 1000 °C of Gadolinium Zirconate ($Gd_2Zr_2O_7$) Thermal Barrier Coatings (TBCs) produced by Electron Beam Physical Vapor Deposition (EB-PVD) technique." 4th International Conference on Computational and Experimental Science and Engineering (ICCESEN-2017), Antalya, Türkiye.
16. Ozgurluk, Y., Doleker, K. M., Ahlatci H. and Karaoglanli, A.C. (2017). "Investigation of Hot Corrosion Behavior of Thermal Barrier Coating (TBC) Systems with Rare Earth Content" 4th International Conference on Computational and Experimental Science and Engineering (ICCESEN-2017), Antalya, Türkiye.
17. Doleker, K. M., Ozgurluk Y., Parlakyigit A.S., Ahlatci H. and Karaoglanli, A.C., (2017). "Oxidation Behavior of NiCr Bond Coated Thermal Barrier Coatings (TBCs) Produced with Atmospheric Plasma Spray (APS) Technique." 4th International Conference on Computational and Experimental Science and Engineering (ICCESEN-2017), Antalya, Türkiye.
18. Ozgurluk Y, Doleker, K. M., Ahlatci H. and Karaoglanli, A.C. (2017). "The Effect of Vermiculite on the Failure Mechanism of Electron Beam Physical Vapor Deposition (EB-PVD) Thermal Barrier Coatings (TBCs)." 4th International Conference on Computational and Experimental Science and Engineering (ICCESEN-2017), Antalya, Türkiye.
19. Ozgurluk Y, Doleker, K. M., Ahlatci H. and Karaoglanli, A.C., (2018) "Investigation of Hot Corrosion Resistance of Plasma Sprayed Thermal Barrier Coatings (TBCs) In Molten Salt Mixtures." The International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology (IMSMATEC 2018), İzmir, Türkiye.
20. Ozgurluk Y, Doleker, K. M., Ahlatci H. and Karaoglanli, A.C. (2018) "Effect of Vermiculite Mineral on Thermal Barrier Coating (TBC) System at High Temperature Conditions." The International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology (IMSMATEC 2018), İzmir, Türkiye.
21. Doleker, K. M., Ozgurluk Y., Ahlatci H. and Karaoglanli, A.C. (2018). "Lifetime Prediction of Thermal Barrier Coatings (TBCs)." 1st International Symposium on Light Alloys and Composite Materials (ISLAC 2018), Karabük, Türkiye.
22. Ozgurluk Y., Doleker, K. M., Ahlatci H. and Karaoglanli, A.C. (2018). "The effect of volcanic ash based damages on thermal barrier coatings during the service conditions." 1st International Symposium on Light Alloys and Composite Materials (ISLAC 2018), Karabük, Türkiye.

ARAŞTIRMA PROJELERİ:

1. Bursiyer, Gaz Türbinleri İçin Yenilikçi Kaplama Teknolojileri Kullanılarak Yeni Tip Termal Bariyer Kaplama TBC Malzemelerinin Geliştirilmesi İzotermal ve Termal Çevrim Oksidasyon Davranışlarının İncelenmesi, (TÜBİTAK 3501– TL 155500), 2014-2017.
2. Araştırmacı, CaO-MgO-Al₂O₃-SiO₂ (CMAS) Atağının Termal Bariyer Kaplamaların (TBCs) Yüksek Sıcaklık Davranışları Üzerindeki Etkisinin İncelenmesi, (BARTIN ÜNİ. BAP- TL 13828,42), 2017-2019.
3. Yardımcı Araştırmacı, Yüksek Hız Oksi Yakıt (HVOF) ve Soğuk Gaz Dinamik Sprey (CGDS) Teknikleri Kullanılarak Üretilen Termal Bariyer Kaplama (TBC) Sistemlerinin Oksidasyon ve Termal Çevrim Davranışlarının İncelenmesi, (KARABÜK ÜNİ. BAP- TL 30000), 2016-2018.

4. Danışman, Elektron Işını İle Fiziksel Buhar Biriktirme (EB-PVD) Tekniđi Kullanılarak Üretilmiş Termal Bariyer Kaplamaların (TBC) Mikroyapısal Özelliklerinin ve Yüksek Sıcaklık Oksidasyon Davranışlarının İncelenmesi, (TÜBİTAK 2209 – TL 1750), 2018-2019.