

Kadir Mert Doleker

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	The influence of Al addition and aluminizing process on oxidation performance of arc melted CoCrFeNi alloy. Vacuum, 2022, 196, 110749.	3.5	9
2	Wear and oxidation performances of low temperature aluminized IN600. Surface and Coatings Technology, 2022, 436, 128295.	4.8	10
3	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. Surface and Coatings Technology, 2021, 407, 126775.	4.8	29
4	Characteristics, high temperature wear and oxidation behavior of boride layer grown on nimonic 80A Ni-based superalloy. Surface and Coatings Technology, 2021, 409, 126906.	4.8	45
5	Oxidation and hot corrosion resistance of HVOF/EB-PVD thermal barrier coating system. Surface and Coatings Technology, 2021, 409, 126862.	4.8	44
6	Enhancing the wear and oxidation behaviors of the Inconel 718 by low temperature aluminizing. Surface and Coatings Technology, 2021, 412, 127069.	4.8	34
7	Investigation of calcium-magnesium-alumino-silicate (CMAS) resistance and hot corrosion behavior of YSZ and La ₂ Zr ₂ O ₇ /YSZ thermal barrier coatings (TBCs) produced with CGDS method. Surface and Coatings Technology, 2021, 411, 126969.	4.8	48
8	Microstructure, wear and oxidation behavior of AlCrFeNiX (X = Cu, Si, Co) high entropy alloys produced by powder metallurgy. Vacuum, 2021, 187, 110143.	3.5	45
9	TGO growth and kinetic study of single and double layered TBC systems. Surface and Coatings Technology, 2021, 415, 127135.	4.8	56
10	Low-temperature aluminizing influence on degradation of nimonic 80A surface: Microstructure, wear and high temperature oxidation behaviors. Surfaces and Interfaces, 2021, 25, 101240.	3.0	15
11	Comparative study on dry sliding wear and oxidation performance of HVOF and laser re-melted Al _{0.2} CrFeNi(Co,Cu) alloys. Transactions of Nonferrous Metals Society of China, 2021, 31, 2428-2441.	4.2	14
12	Interface failure behavior of yttria stabilized zirconia (YSZ), La ₂ Zr ₂ O ₇ , Gd ₂ Zr ₂ O ₇ , YSZ/La ₂ Zr ₂ O ₇ and YSZ/Gd ₂ Zr ₂ O ₇ thermal barrier coatings (TBCs) in thermal cyclic exposure. Materials Characterization, 2020, 159, 110072.	4.4	54
13	Effect of laser re-melting on electric current assistive sintered CoCrFeNiAl _x Ti _y high entropy alloys: Formation, micro-hardness and wear behaviors. Surface and Coatings Technology, 2020, 399, 126179.	4.8	48
14	Comparison of microstructure and oxidation behavior of CoNiCrAlY coatings produced by APS, SSAPS, D-gun, HVOF and CGDS techniques. Vacuum, 2020, 180, 109609.	3.5	51
15	Formation and Growth Behaviour of Thermally Grown Oxide Layer in Thermal Barrier Coatings with HVOF Sprayed Nickel-Chromium Bond Coats. Emerging Materials Research, 2020, 9, 1-8.	0.7	8
16	Performance of single YSZ, Gd ₂ Zr ₂ O ₇ and double-layered YSZ/Gd ₂ Zr ₂ O ₇ thermal barrier coatings in isothermal oxidation test conditions. Vacuum, 2020, 177, 109401.	3.5	44
17	The Examination of Microstructure and Thermal Oxidation Behavior of Laser-Remelted High-Velocity Oxygen Liquid Fuel Fe/Al Coating. Journal of Materials Engineering and Performance, 2020, 29, 3220-3232.	2.5	21
18	Evaluation of Hot Corrosion Behavior of APS and HVOF Sprayed Thermal Barrier Coatings (TBCs) Exposed to Molten Na ₂ SO ₄ +V ₂ O ₅ Salt at 1000°C. Advanced Structured Materials, 2019, , 441-459.	0.5	7

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19	Effect of Al and Ti on High-Temperature Oxidation Behavior of CoCrFeNi-Based High-Entropy Alloys. <i>Jom</i> , 2019, 71, 3499-3510.	1.9	40
20	High temperature oxidation behavior of low temperature aluminized Mirrax [®] ESR steel. <i>Materials Research Express</i> , 2019, 6, 116407.	1.6	11
21	Effect of high temperature oxidation on Inconel 718 and Inconel 718/YSZ/Gd ₂ Zr ₂ O ₇ . <i>Materials Research Express</i> , 2019, 6, 086456.	1.6	24
22	Cyclic Hot Corrosion Failure Behaviors of EB-PVD TBC Systems in the Presence of Sulfate and Vanadate Molten Salts. <i>Coatings</i> , 2019, 9, 166.	2.6	39
23	Investigation of the effect of V ₂ O ₅ and Na ₂ SO ₄ melted salts on thermal barrier coatings under cyclic conditions. <i>Anti-Corrosion Methods and Materials</i> , 2019, 66, 644-650.	1.5	18
24	Evaluation of oxidation and thermal cyclic behavior of YSZ, Gd ₂ Zr ₂ O ₇ and YSZ/Gd ₂ Zr ₂ O ₇ TBCs. <i>Surface and Coatings Technology</i> , 2019, 371, 262-275.	4.8	67
25	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. <i>Applied Surface Science</i> , 2018, 438, 96-113.	6.1	102
26	Oxidation Behavior of NiCr/YSZ Thermal Barrier Coatings (TBCs). <i>Open Chemistry</i> , 2018, 16, 876-881.	1.9	18
27	The Microstructural Investigation of Vermiculite-Infiltrated Electron Beam Physical Vapor Deposition Thermal Barrier Coatings. <i>Open Chemistry</i> , 2018, 16, 1106-1110.	1.9	14
28	Isothermal Oxidation Behavior of Gadolinium Zirconate (Gd ₂ Zr ₂ O ₇) Thermal Barrier Coatings (TBCs) produced by Electron Beam Physical Vapor Deposition (EB-PVD) technique. <i>Open Chemistry</i> , 2018, 16, 986-991.	1.9	13
29	Isothermal oxidation and thermal cyclic behaviors of YSZ and double-layered YSZ/La ₂ Zr ₂ O ₇ thermal barrier coatings (TBCs). <i>Surface and Coatings Technology</i> , 2018, 351, 78-88.	4.8	71
30	Investigation of hot corrosion behavior of thermal barrier coating (TBC) systems with rare earth contents. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	1.3	12
31	Investigation of Isothermal Oxidation Behavior of Thermal Barrier Coatings (TBCs) Consisting of YSZ and Multilayered YSZ/Gd ₂ Zr ₂ O ₇ Ceramic Layers. <i>Oxidation of Metals</i> , 2017, 88, 109-119.	2.1	34
32	Comparison of tribological properties of HVOF sprayed coatings with different composition. <i>Surface and Coatings Technology</i> , 2017, 318, 299-308.	4.8	87
33	Comparison of Oxidation Behavior of Shot-Peened Plasma Spray Coatings with Cold Gas Dynamic Spray Coatings. <i>Oxidation of Metals</i> , 2017, 88, 121-132.	2.1	18
34	Comparison of oxidation behavior of YSZ and Gd ₂ Zr ₂ O ₇ thermal barrier coatings (TBCs). <i>Surface and Coatings Technology</i> , 2017, 318, 198-207.	4.8	74
35	State of the Art Thermal Barrier Coating (TBC) Materials and TBC Failure Mechanisms. <i>Advanced Structured Materials</i> , 2017, , 441-452.	0.5	18
36	Effect of shot peening on the oxidation behavior of thermal barrier coatings. <i>Applied Surface Science</i> , 2015, 354, 314-322.	6.1	83

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37	ZrO ₂ -5%CaO TERMAL BARÄ°YER KAPLAMA (TBC) SÄ°STEMÄ°NÄ°N SICAK KOROZYON DÄ°RENCÄ°. El-Cezeri Journal of Science and Engineering, 0, , .	0.1	1
38	Ä°tevrimli ve Ä°zotermal SÄ°cak Korozyonun Nikel EsaslÄ° SÄ°¼per AlaÄ°m Malzemeye Etkisi. El-Cezeri Journal of Science and Engineering, 0, , .	0.1	0
39	904L Paslanmaz Ä°liÄ°ye DÄ°¼k SÄ°caklÄ°k AlÄ°minyumlamamÄ°n Etkisi. European Journal of Science and Technology, 0, , .	0.5	1