

Saeed Rastegari

List of Publications by Year in descending order

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papers

745
citations

623734

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41
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648
citing authors

#	ARTICLE	IF	CITATIONS
1	High-performance vertically aligned Bi ₂ O ₃ nanosheet arrays for water splitting applications by controlling the chemical bath deposition method parameters (precursor concentration and pH). <i>International Journal of Hydrogen Energy</i> , 2022, 47, 7214-7227.	7.1	8
2	An electrophoretic co-deposition of metal oxides followed by in-situ copper manganese spinel synthesis on AISI-430 for application in SOFC interconnects. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 14346-14360.	7.1	11
3	Enhanced photoelectrochemical water splitting performance of vertically aligned Bi ₂ O ₃ nanosheet arrays derived from chemical bath deposition method by controlling chemical bath temperature and complexing agent concentration. <i>Surfaces and Interfaces</i> , 2022, 30, 101819.	3.0	4
4	Formation mechanism of Pt-modified aluminide coating structure by out-of-the-pack aluminizing. <i>Surface Engineering</i> , 2021, 37, 343-350.	2.2	5
5	Oxidation Resistance of Double-Ceramic-Layered Thermal Barrier Coating System with an Intermediate Al ₂ O ₃ -YAG Layer. <i>Journal of Thermal Spray Technology</i> , 2021, 30, 1049-1058.	3.1	3
6	The effect of microstructural aspects of W/Cu composites on electrical conductivity and thermal erosion. <i>International Journal of Refractory Metals and Hard Materials</i> , 2021, 101, 105685.	3.8	8
7	Effect of pulse parameters on the morphology of electroplated Ni-W-TiC nanocomposite coating. <i>Surface Engineering</i> , 2020, 36, 982-989.	2.2	8
8	Effect of electrodeposition parameters on the microstructure and properties of Cu-TiO ₂ nanocomposite coating. <i>Journal of Alloys and Compounds</i> , 2019, 770, 98-107.	5.5	10
9	Applying the protective CuMn ₂ O ₄ spinel coating on AISI-430 ferritic stainless steel used as solid oxide fuel cell interconnects. <i>Surface and Coatings Technology</i> , 2018, 334, 365-372.	4.8	32
10	Influence of Pulse Electrodeposition and Heat Treatment on Microstructure, Tribological, and Corrosion Behavior of Nano-Grain Size Co-W Coatings. <i>Journal of Materials Engineering and Performance</i> , 2017, 26, 3133-3143.	2.5	2
11	Alumina-zirconia coatings produced by Plasma Electrolytic Oxidation on Al alloy for corrosion resistance improvement. <i>Journal of Alloys and Compounds</i> , 2017, 724, 435-442.	5.5	40
12	Mechanism of Al-Si codeposition on In738LC through single-step diffusion process. <i>International Journal of Surface Science and Engineering</i> , 2017, 11, 1.	0.4	0
13	Investigating efficiency of Al_2O_3 diffusion barrier layer in oxidation of EB-PVD NiCrAlY coatings. <i>Surface Engineering</i> , 2015, 31, 146-155.	2.2	24
14	Microstructural Investigation of Si-Modified Aluminide Coating Formed on TiAl Alloy by the Slurry Method. <i>Metallography, Microstructure, and Analysis</i> , 2015, 4, 109-113.	1.0	4
15	Formation of Diffusion Aluminide Coatings on TiAl Alloy with In-Pack and Out-Pack Processes. <i>Transactions of the Indian Institute of Metals</i> , 2015, 68, 867-871.	1.5	8
16	Al ₂ O ₃ -ZrO ₂ nanostructured coatings using DC plasma electrolytic oxidation to improve tribological properties of Al substrates. <i>Applied Surface Science</i> , 2015, 356, 927-934.	6.1	40
17	Microstructure and oxidation resistance of Si modified aluminide coating on TiAl based alloys. <i>Surface Engineering</i> , 2015, 31, 930-933.	2.2	25
18	Effective parameters on microstructure and properties of EB-PVD NiCrAlY coating. <i>Surface Engineering</i> , 2015, 31, 156-165.	2.2	9

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19	Investigating the transition time reduction in evaporation of NiCrAlY using EBâ€PVD. Surface Engineering, 2014, 30, 511-515.	2.2	3
20	The influence of pulse plating parameters on structure and properties of Niâ€Wâ€TiO ₂ nanocomposite coatings. Surface and Coatings Technology, 2014, 259, 393-400.	4.8	66
21	Effect of heat treatment temperature on the performance of nano-TiO ₂ coating in protecting 316L stainless steel against corrosion under UV illumination and dark conditions. Surface and Coatings Technology, 2014, 258, 861-870.	4.8	48
22	Effect of cooling rates from partial solution temperature and aging on γ' precipitation in IN792 superalloy. Materials Science and Technology, 2013, 29, 1513-1517.	1.6	6
23	Effect of electroplating parameters on properties of Znâ€nano-TiO ₂ composite coatings. Surface Engineering, 2013, 29, 41-45.	2.2	27
24	Effects of electrodeposition parameters on morphology and properties of Znâ€TiO ₂ composite coating. Surface Engineering, 2013, 29, 695-699.	2.2	17
25	Effect of heat treatment on coating microstructure applied by high activity diffusion process on IN738LC. Surface Engineering, 2012, 28, 772-777.	2.2	14
26	Coarsening Kinetics of γ' Precipitates in Dendritic Regions of a Ni3Al Base Alloy. Journal of Materials Science and Technology, 2012, 28, 221-228.	10.7	15
27	Full homogenisation response of Ni ₃ Al based alloy containing Cr, Mo, Zr and B. Materials Science and Technology, 2012, 28, 109-115.	1.6	0
28	Reduction of Sintering Temperature of Porous Tungsten Skeleton Used for Production of W-Cu Composites by Ultra High Compaction Pressure of Tungsten Powder. Advanced Materials Research, 2011, 264-265, 807-812.	0.3	4
29	Dissolution Mechanism of a Zr Rich Structure in a Ni3Al Base Alloy. Journal of Materials Science and Technology, 2011, 27, 885-892.	10.7	12
30	Formation mechanism of IDZ during coating of IN738 by single step gas phase aluminising. Canadian Metallurgical Quarterly, 2011, 50, 85-90.	1.2	4
31	A new method for deposition of nano sized titanium nitride on steels. Vacuum, 2011, 86, 131-139.	3.5	40
32	Mass production of multi-wall carbon nanotubes by metal dusting process with high yield. Materials Research Bulletin, 2011, 46, 716-721.	5.2	16
33	A feasibility study of W-Cu composites production by high pressure compression of tungsten powder. International Journal of Refractory Metals and Hard Materials, 2011, 29, 123-127.	3.8	48
34	Tungstenâ€copper composite production by activated sintering and infiltration. International Journal of Refractory Metals and Hard Materials, 2011, 29, 538-541.	3.8	116
35	Effects of temperature and Al-concentration on formation mechanism of an aluminide coating applied on superalloy IN738LC through a single step low activity gas diffusion process. Journal of Alloys and Compounds, 2010, 505, 206-212.	5.5	21
36	Gas Phase Aluminizing of a Nickel Base Superalloy by a Single Step HTHA Aluminizing Process. Canadian Metallurgical Quarterly, 2009, 48, 91-98.	1.2	7

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37	An investigation about the effect of annealing conditions on microstructure in a Ni3Al base alloy. Journal of Alloys and Compounds, 2009, 486, 881-885.	5.5	8
38	A STUDY ON THE MICROSTRUCTURAL CHANGES OF Cr-MODIFIED ALUMINIDE COATINGS ON A NICKEL-BASED SUPERALLOY DURING HOT CORROSION. Canadian Metallurgical Quarterly, 2008, 47, 223-232.	1.2	5
39	Elimination of the Corrosion of Ni-P Substrates during Electroless Gold Plating. Journal of the Electrochemical Society, 2005, 152, C173.	2.9	12
40	Deposition of Nano Sized Titanium Nitride on H11 Tool Steel Using Active Screen Plasma Nitriding Method. Journal of Nano Research, 0, 11, 79-84.	0.8	14