

Mansour Soltanieh

List of Publications by Year in descending order

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papers

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citations

471509

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32
all docs

32
docs citations

32
times ranked

664
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of the anodic oxide layer deposited on severely deformed and aged AA6063 aluminum alloy. <i>Journal of Materials Research and Technology</i> , 2021, 15, 68-85.	5.8	21
2	Effects of reduced surface grain structure and improved particle distribution on pitting corrosion of AA6063 aluminum alloy. <i>Journal of Alloys and Compounds</i> , 2020, 838, 155464.	5.5	37
3	Investigation of anodizing time and pulse voltage modes on the corrosion behavior of nanostructured anodic layer in commercial pure aluminum. <i>Surface and Coatings Technology</i> , 2019, 358, 741-752.	4.8	40
4	Combined niobizing and plasma nitriding of AISI 430 stainless steel. <i>Materials Research Express</i> , 2019, 6, 126403.	1.6	2
5	Evaluation of the formation of compound coatings on aluminium by the new method of active screen plasma nitriding. <i>Materials Research Express</i> , 2019, 6, 076429.	1.6	3
6	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
7	A new model for growth mechanism of nitride layers in plasma nitriding of AISI H11 hot work tool steel. <i>Vacuum</i> , 2017, 141, 97-102.	3.5	28
8	Diffusion mechanism in molten salt baths during the production of carbide coatings via thermal reactive diffusion. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2017, 24, 1448-1458.	4.9	13
9	Growth kinetics and microstructure of composite coatings on H13 by thermal reactive diffusion. <i>Surface and Coatings Technology</i> , 2017, 325, 318-326.	4.8	19
10	The Kinetics of TiAl ₃ Formation in Explosively Welded Ti-Al Multilayers During Heat Treatment. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2016, 47, 2931-2937.	2.1	16
11	Investigation of chromium and vanadium carbide composite coatings on CK45 steel by Thermal Reactive Diffusion. <i>Surface and Coatings Technology</i> , 2016, 289, 1-10.	4.8	34
12	Repairing the cracks network of hard chromium electroplated layers using plasma nitriding technique. <i>Vacuum</i> , 2016, 127, 1-9.	3.5	35
13	A Study on Formation and Growth Mechanism of Nitride Layers During Plasma Nitriding Process of Plastic Injection Mold Steel. <i>Materials and Manufacturing Processes</i> , 2016, 31, 1192-1200.	4.7	14
14	Investigation on the reactions sequence between synthesized ilmenite and aluminum. <i>Journal of Alloys and Compounds</i> , 2015, 628, 113-120.	5.5	4
15	The effect of Fe ₂ Al ₅ as reducing agent in intermediate steps of 'Al ₂ O ₃ /TiC-Fe composite production process. <i>International Journal of Refractory Metals and Hard Materials</i> , 2015, 52, 17-20.	3.8	5
16	Active screen plasma nitriding of Al using an iron cage: Characterization and evaluation. <i>Vacuum</i> , 2015, 122, 127-134.	3.5	27
17	A Study on the Formation of Intermetallics During the Heat Treatment of Explosively Welded Al-Ti Multilayers. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014, 45, 1823-1832.	2.2	53
18	Rapid and clean amine functionalization of carbon nanotubes in a dielectric barrier discharge reactor for biosensor development. <i>Electrochimica Acta</i> , 2014, 115, 378-385.	5.2	27

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19	Formation mechanism and synthesis of Fe-TiC/Al ₂ O ₃ composite by ilmenite, aluminum and graphite. International Journal of Refractory Metals and Hard Materials, 2014, 45, 53-57.	3.8	25
20	Structural and mechanical evaluation of deposited nano structured TiN coating using active screen plasma nitriding technique. EPJ Applied Physics, 2014, 65, 20801.	0.7	21
21	Investigation of the formation of Al, Fe, N intermetallic phases during Al pack cementation followed by plasma nitriding on plain carbon steel. Materials & Design, 2013, 51, 43-50.	5.1	27
22	On the kinetics of TiAl ₃ intermetallic layer formation in the titanium and aluminum diffusion couple. Intermetallics, 2013, 32, 297-302.	3.9	117
23	Surface characterization of multiple coated H11 hot work tool steel by plasma nitriding and hard chromium electroplating processes. Vacuum, 2012, 86, 1470-1476.	3.5	25
24	A new method for deposition of nano sized titanium nitride on steels. Vacuum, 2011, 86, 131-139.	3.5	40
25	Oxide Inclusions at Different Steps of Steel Production. Journal of Iron and Steel Research International, 2007, 14, 39-46.	2.8	31
26	Thermodynamics of Aluminium in Molten Zinc with the use of Electrochemical Sensors. Steel Research International, 2006, 77, 934-939.	1.8	0
27	Thermodynamics of Cobalt Aluminate Formation in Molten Cobalt. Steel Research International, 2005, 76, 372-376.	1.8	1
28	The metal saturation line and tie-lines in the nickel-cobalt-sulfur ternary system between 1273 and 1573 K. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1998, 29, 1941-1945.	2.2	0
29	Thermodynamics of oxygen behaviour in cobalt-nickel alloys. Steel Research = Archiv für Das Eisenhüttenwesen, 1997, 68, 149-153.	0.3	3
30	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
31	Effect of Salt Bath Composition on the Chromium Diffusion on Plain Carbon Steels by TRD Process. Defect and Diffusion Forum, 0, 326-328, 377-382.	0.4	7
32	TiAl ₃ Formation in the Titanium-Aluminum Diffusion Couple. Defect and Diffusion Forum, 0, 322, 185-194.	0.4	7