

Majid Mohammadi

List of Publications by Year in descending order

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20
papers

752
citations

759233

12
h-index

752698

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21
all docs

21
docs citations

21
times ranked

789
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental and analytical model for the electrical conductivity of polymer-based nanocomposites. Composites Science and Technology, 2016, 123, 17-31.	7.8	171
2	Development of an Equation to Model Electrical Conductivity of Polymer-Based Carbon Nanocomposites. ECS Journal of Solid State Science and Technology, 2014, 3, M26-M38.	1.8	71
3	Manufacture of a polymer-based carbon nanocomposite as bipolar plate of proton exchange membrane fuel cells. Materials & Design, 2013, 49, 242-251.	5.1	42
4	The effect of mold pressing pressure and composition on properties of nanocomposite bipolar plate for proton exchange membrane fuel cell. Materials & Design, 2011, 32, 3883-3892.	5.1	39
5	Investigation on physical and electrochemical properties of TiN-coated Monel alloy used for bipolar plates of proton exchange membrane fuel cell. Materials Chemistry and Physics, 2019, 238, 121916.	4.0	34
6	Preparation and Properties of a Phenolic/Graphite Nanocomposite Bipolar Plate for Proton Exchange Membrane Fuel Cell. ECS Journal of Solid State Science and Technology, 2012, 1, M39-M46.	1.8	24
7	Hot corrosion performance and electrochemical study of CoNiCrAlY/YSZ/YSZ-La ₂ O ₃ multilayer thermal barrier coatings in the presence of molten salt. Materials Chemistry and Physics, 2018, 220, 23-34.	4.0	24
8	Investigation of the Electrical Properties of Polymer/Carbon Composites Exposed to Joule Heating and Heat Treatment. ECS Journal of Solid State Science and Technology, 2017, 6, M3019-M3027.	1.8	18
9	The effect of duty cycle on the mechanical and electrochemical corrosion properties of multilayer CrN/CrAlN coatings produced by cathodic arc evaporation. Surface Engineering, 2021, 37, 253-262.	2.2	18
10	Hot Corrosion Behavior and Microstructural Change of Al-Gradient CoNiCrAlYSi Coatings, Produced by LVPS and Diffusional Processes. Oxidation of Metals, 2012, 78, 17-30.	2.1	17
11	Cyclic Oxidation and Hot Corrosion Behaviors of Gradient CoNiCrAlYSi Coatings Produced by HVOF and Diffusional Processes. Oxidation of Metals, 2016, 86, 221-238.	2.1	17
12	Functionally graded materials (FGMs): A review of classifications, fabrication methods and their applications. Processing and Application of Ceramics, 2021, 15, 319-343.	0.8	12
13	Hot corrosion behavior of calcium magnesium aluminosilicate (CMAS) on the Yb ₂ SiO ₅ -8YSZ composite as a candidate for environmental barrier coatings. Materials Chemistry and Physics, 2020, 243, 122596.	4.0	8
14	Mechanical and biological properties of polycaprolactone/fibrin nanocomposite adhesive produced by electrospinning method. Bulletin of Materials Science, 2020, 43, 1.	1.7	6
15	Investigation of physical and electrical properties of TiN-coated SS316L as bipolar plate of proton exchange membrane fuel cells. Surface Engineering, 2021, 37, 822-830.	2.2	5
16	Investigation of graphite conductive adhesive coated on SS316L used for bipolar plates of proton-exchange membrane fuel cell. Journal of Adhesion Science and Technology, 2022, 36, 1094-1111.	2.6	4
17	Characterization of the 3YSZ / CNT / HAP coating on the Ti6Al4V alloy by electrophoretic deposition. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2021, 109, 1395-1406.	3.4	3
18	Effect of electric field-induced alignment of conductive fillers in polyurethane. Materials Chemistry and Physics, 2021, 267, 124577.	4.0	3

#	ARTICLE	IF	CITATIONS
19	Electrochemical and biological properties of mono- and bilayer nitride coatings deposited on Ti-6Al-4V alloy. Materials Chemistry and Physics, 2022, 286, 126185.	4.0	3
20	Synthesis of spherical mullite/Yb ₂ SiO ₅ composite EBC powder by using mechanical alloying and spray dry processes. International Journal of Materials Research, 2022, 113, 626-634.	0.3	0