

# Majid Mohammadi

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

752  
citations

759233

12  
h-index

752698

20  
g-index

21  
all docs

21  
docs citations

21  
times ranked

789  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Synthesis of spherical mullite/Yb <sub>2</sub> SiO <sub>5</sub> composite EBC powder by using mechanical alloying and spray dry processes. International Journal of Materials Research, 2022, 113, 626-634.	0.3	0
4	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
5	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
6	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
7	Effect of electric field-induced alignment of conductive fillers in polyurethane. Materials Chemistry and Physics, 2021, 267, 124577.	4.0	3
8	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
9	Hot corrosion behavior of calcium magnesium aluminosilicate (CMAS) on the Yb <sub>2</sub> SiO <sub>5</sub> -8YSZ composite as a candidate for environmental barrier coatings. Materials Chemistry and Physics, 2020, 243, 122596.	4.0	8
10	Mechanical and biological properties of polycaprolactone/fibrin nanocomposite adhesive produced by electrospinning method. Bulletin of Materials Science, 2020, 43, 1.	1.7	6
11	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
12	Hot corrosion performance and electrochemical study of CoNiCrAlY/YSZ/YSZ-La <sub>2</sub> O <sub>3</sub> multilayer thermal barrier coatings in the presence of molten salt. Materials Chemistry and Physics, 2018, 220, 23-34.	4.0	24
13	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
14	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
15	Experimental and analytical model for the electrical conductivity of polymer-based nanocomposites. Composites Science and Technology, 2016, 123, 17-31.	7.8	171
16	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
17	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
18	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

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19	Hot Corrosion Behavior and Microstructural Change of Al-Gradient CoNiCrAlYSi Coatings, Produced by LVPS and Diffusional Processes. <i>Oxidation of Metals</i> , 2012, 78, 17-30.	2.1	17
20	The effect of mold pressing pressure and composition on properties of nanocomposite bipolar plate for proton exchange membrane fuel cell. <i>Materials &amp; Design</i> , 2011, 32, 3883-3892.	5.1	39