Zhen-Lin Wang

List of Publications by Year
in descending order

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21	789	759233 12	713466 21
papers	citations	h-index	g-index

21	21	21	622
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Corrosion resistance and antibacterial properties of polysiloxane modified layer-by-layer assembled self-healing coating on magnesium alloy. Journal of Colloid and Interface Science, 2018, 526, 43-50.	9.4	104
2	Corrosion resistance of glucose-induced hydrothermal calcium phosphate coating on pure magnesium. Applied Surface Science, 2019, 465, 1066-1077.	6.1	97
3	Corrosion resistance of a superhydrophobic micro-arc oxidation coating on Mg-4Li-1Ca alloy. Journal of Materials Science and Technology, 2017, 33, 1263-1271.	10.7	84
4	Corrosion resistance and adhesion strength of a spin-assisted layer-by-layer assembled coating on AZ31 magnesium alloy. Applied Surface Science, 2018, 434, 787-795.	6.1	82
5	Corrosion resistance and antibacterial properties of hydroxyapatite coating induced by gentamicin-loaded polymeric multilayers on magnesium alloys. Colloids and Surfaces B: Biointerfaces, 2019, 179, 429-436.	5.0	73
6	Corrosion resistance and superhydrophobicity of one-step polypropylene coating on anodized AZ31 Mg alloy. Journal of Magnesium and Alloys, 2020, 9, 1443-1443.	11.9	59
7	In vitro corrosion resistance of layer-by-layer assembled polyacrylic acid multilayers induced Caâ€“P coating on magnesium alloy AZ31. Bioactive Materials, 2020, 5, 153-163.	15.6	48
8	Corrosion resistance and drug release profile of gentamicin-loaded polyelectrolyte multilayers on magnesium alloys: Effects of heat treatment. Journal of Colloid and Interface Science, 2019, 547, 309-317.	9.4	43
9	Corrosion Resistance and Durability of Superhydrophobic Coating on AZ31 Mg Alloy via One-Step Electrodeposition. Acta Metallurgica Sinica (English Letters), 2021, 34, 25-38.	2.9	36
10	Corrosion Resistance of Silane-Modified Hydroxyapatite Films on Degradable Magnesium Alloys. Acta Metallurgica Sinica (English Letters), 2018, 31, 180-188.	2.9	34
11	Corrosion resistance and antibacterial effects of hydroxyapatite coating induced by polyacrylic acid and gentamicin sulfate on magnesium alloy. Frontiers of Materials Science, 2019, 13, 87-98.	2.2	33
12	Poly(<scp>l</scp>-lactic acid)/hydroxyapatite/collagen composite coatings on AZ31 magnesium alloy for biomedical application. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2013, 227, 1094-1103.	1.8	25
13	Corrosion resistance and adhesion of poly(L-lactic acid)/MgF2 composite coating on AZ31 magnesium alloy for biomedical application. Russian Journal of Non-Ferrous Metals, 2016, 57, 381-388.	0.6	12
14	Comparative investigation on the structure and physical properties of CeO2/TiO2/Sb2O3-doped bismuth borosilicate glasses. Journal of Non-Crystalline Solids, 2020, 544, 120190.	3.1	11
15	Effect of substitution of SiO2 by CaO/CaF2 on structure and synthesis of transparent glass-ceramics containing CaF2 nanocrystals. Journal of Materials Science, 2015, 50, 4066-4074.	3.7	10
16	Corrosion Resistance of Superhydrophobic Mg(OH)2/Calcium Myristate Composite Coating on Magnesium Alloy AZ31. Acta Metallurgica Sinica (English Letters), 2021, 34, 1618-1634.	2.9	10
17	In vitro degradation resistance of glucose and L-cysteine-bioinspired Schiff-base anodic Caâ€“P coating on AZ31 magnesium alloy. Transactions of Nonferrous Metals Society of China, 2022, 32, 1485-1500.	4.2	9
18	Corrosion resistance of Ca-P coating induced by layer-by-layer assembled polyvinylpyrrolidone/DNA multilayer on magnesium AZ31 alloy. Frontiers of Materials Science, 2021, 15, 391-405.	2.2	7

#	Article	IF	Citations
19	Fabrication and characterization of hydroxyapatite/collagen bone-like nanocomposite through a self-assembly method. Science and Engineering of Composite Materials, 2012, 19, 177-182.	1.4	6
20	Gamma ray irradiation-induced variations in structure and optical properties of cerium/titanium-doped oxyfluoride transparent glass-ceramics. Materials Research Bulletin, 2017, 92, 104-112.	5.2	4
21	Structure/property nonlinear variation induced by gamma ray irradiation of boroaluminosilicate transparent glass ceramic containing gahnite nanocrystallite. Journal of Non-Crystalline Solids, 2022, 578, 121346.	3.1	2