

Corrosion resistance and mechanisms of Nd(NO₃)₃ and organic-inorganic hybrid material incorporated MAO coating

Journal of Colloid and Interface Science

630, 833-845

DOI: [10.1016/j.jcis.2022.10.087](https://doi.org/10.1016/j.jcis.2022.10.087)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Self-healing and superhydrophobic dual-function composite coating for active protection of magnesium alloys. <i>Surface and Coatings Technology</i> , 2023, 454, 129146.	4.8	5
2	Self-healing performance and corrosion resistance of a bilayer calcium carbonate coating on microarc-oxidized magnesium alloy. <i>Corrosion Science</i> , 2023, 212, 110927.	6.6	15
3	Smart functionalization of PEO coating on AZ31B magnesium alloy by a novel facile one-step sealing method. <i>Surface and Coatings Technology</i> , 2023, 467, 129674.	4.8	2
4	Lanthanides: The Key to Durable and Sustainable Corrosion Protection. <i>ACS Sustainable Chemistry and Engineering</i> , 2023, 11, 6776-6800.	6.7	4
5	pH/NIR-responsive and self-healing coatings with bacteria killing, osteogenesis, and angiogenesis performances on magnesium alloy. <i>Biomaterials</i> , 2023, 301, 122237.	11.4	12
6	Development of self-healing functional micro-arc oxidation coating on magnesium alloys: a review. <i>Journal of Adhesion Science and Technology</i> , 0, , 1-23.	2.6	2
7	Femtosecond laser surface processing combined with thermal oxidation for enhancing corrosion resistance of AZ31B magnesium alloy in chloride solutions. <i>Surface and Coatings Technology</i> , 2023, 470, 129870.	4.8	0
8	Influence of Cathodic Polarization on Plasma Electrolytic Oxidation of Magnesium and AZ31 and AZ91 Magnesium Alloys. <i>Coatings</i> , 2023, 13, 1736.	2.6	0
9	Corrosion resistance enhanced by an atomic layer deposited Al ₂ O ₃ /micro-arc oxidation coating on magnesium alloy AZ31. <i>Ceramics International</i> , 2024, 50, 5541-5551.	4.8	1
10	Unveiling the Effect of Particle Incorporation in PEO Coatings on the Corrosion and Wear Performance of Magnesium Implants. <i>Lubricants</i> , 2023, 11, 519.	2.9	0
11	Incorporating pH/NIR responsive nanocontainers into a smart self-healing coating for a magnesium alloy with controlled drug release, bacteria killing and osteogenesis properties. <i>Acta Biomaterialia</i> , 2024, 174, 463-481.	8.3	2
12	Cerium nitrate and stearic acid modified corrosion-resistant micro-arc oxidation coating on magnesium alloy. <i>Surface and Coatings Technology</i> , 2024, 478, 130461.	4.8	0
13	Superior corrosion resistance and thermal/electro properties of graphene~epoxy composite coating on Mg alloy with biomimetic interface and orientation. <i>Transactions of Nonferrous Metals Society of China</i> , 2024, 34, 157-170.	4.2	0
14	Improving mechanical properties and corrosion resistance of AZ31 alloy by micro-arc oxidization and post supercritical CO ₂ -assisted electroless plating. <i>Materials Chemistry and Physics</i> , 2024, 315, 129047.	4.0	0
15	Improved wear and corrosion resistance of alumina alloy by MAO and PECVD. <i>Surface and Coatings Technology</i> , 2024, 479, 130556.	4.8	0