

Shuoqi Li

List of Publications by Year in descending order

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137
papers

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41344

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#	ARTICLE	IF	CITATIONS
1	Degradation and biocompatibility of one-step electrodeposited magnesium thioctic acid/magnesium hydroxide hybrid coatings on ZE21B alloys for cardiovascular stents. <i>Journal of Magnesium and Alloys</i> , 2024, 12, 120-138.	11.9	3
2	A Novel Approach of Customized Pelvic Implant Design Based on Symmetrical Analysis and 3D Printing. <i>3D Printing and Additive Manufacturing</i> , 2023, 10, 984-991.	2.9	1
3	Effects of Laser Surface Remelting on Microstructure and Corrosion Properties of Mg-12Dy-1.1Ni Alloy. <i>Journal of Materials Engineering and Performance</i> , 2023, 32, 2587-2597.	2.5	2
4	Gentamicin loaded polyelectrolyte multilayers and strontium doped hydroxyapatite composite coating on Ti-6Al-4V alloy: antibacterial ability and biocompatibility. <i>Materials Technology</i> , 2022, 37, 1478-1485.	3.0	3
5	Enhanced corrosion resistance, antibacterial activity and biocompatibility of gentamicin-montmorillonite coating on Mg alloy-in vitro and in vivo studies. <i>Journal of Materials Science and Technology</i> , 2022, 111, 167-180.	10.7	26
6	Polyphosphate assisted hydrothermal synthesis of hydroxyapatite coating on Mg alloys: Enhanced mechanical properties and corrosion resistance. <i>Surface and Coatings Technology</i> , 2022, 432, 128033.	4.8	6
7	Quorum sensing inhibitors applications: A new prospect for mitigation of microbiologically influenced corrosion. <i>Bioelectrochemistry</i> , 2022, 145, 108050.	4.6	27
8	Influence of Gas Temperature and Heat Treatment on Microstructure and Properties of Cold Sprayed Commercially Pure Titanium. <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 5549-5558.	2.5	2
9	Advances in hydroxyapatite coatings on biodegradable magnesium and its alloys. <i>Journal of Magnesium and Alloys</i> , 2022, 10, 1154-1170.	11.9	45
10	Advances in bioorganic molecules inspired degradation and surface modifications on Mg and its alloys. <i>Journal of Magnesium and Alloys</i> , 2022, 10, 670-688.	11.9	33
11	Anti-corrosion and self-healing coatings with polyaniline/epoxy copolymer formaldehyde microcapsules for rusty steel sheets. <i>Journal of Colloid and Interface Science</i> , 2022, 616, 605-617.	9.4	24
12	In vitro degradation, photo-dynamic and thermal antibacterial activities of Cu-bearing chlorophyllin-induced Ca-P coating on magnesium alloy AZ31. <i>Bioactive Materials</i> , 2022, 18, 284-299.	15.6	29
13	Gallium-Strontium Phosphate Conversion Coatings for Promoting Infection Prevention and Biocompatibility of Magnesium for Orthopedic Applications. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 2709-2723.	5.2	3
14	Ultrafine Sb nanoparticles <i>in situ</i> confined in covalent organic frameworks for high-performance sodium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2022, 10, 15089-15100.	10.3	19
15	Visible-Light-Responsive UiO-66(Zr) with Defects Efficiently Promoting Photocatalytic CO ₂ Reduction. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 28977-28984.	8.0	33
16	Origin of the Photocatalytic Activity of Crystalline Phase Structures. <i>ACS Applied Energy Materials</i> , 2022, 5, 8923-8929.	5.1	2
17	Effects of additive NaI on electrodeposition of Al coatings in AlCl ₃ -NaCl-KCl molten salts. <i>Frontiers of Chemical Science and Engineering</i> , 2021, 15, 138-147.	4.4	9
18	Crystal Facet Engineering of Single-Crystalline TiC Nanocubes for Improved Hydrogen Evolution Reaction. <i>Advanced Functional Materials</i> , 2021, 31, 2008028.	14.9	17

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19	Corrosion Resistance and Durability of Superhydrophobic Coating on AZ31 Mg Alloy via One-Step Electrodeposition. <i>Acta Metallurgica Sinica (English Letters)</i> , 2021, 34, 25-38.	2.9	36
20	In vitro corrosion resistance, antibacterial activity and cytocompatibility of a layer-by-layer assembled DNA coating on magnesium alloy. <i>Journal of Magnesium and Alloys</i> , 2021, 9, 266-280.	11.9	37
21	Porous organic polymer enriched in Re functional units and Lewis base sites for efficient CO ₂ photoreduction. <i>Catalysis Science and Technology</i> , 2021, 11, 7300-7306.	4.1	6
22	Hybrid additive manufacturing of biocompatible Ti-Ta composite structures for biomedical applications. <i>Journal of Materials Research</i> , 2021, 36, 3679.	2.6	10
23	Advances in layer-by-layer self-assembled coatings upon biodegradable magnesium alloys. <i>Science China Materials</i> , 2021, 64, 2093-2106.	6.3	37
24	Corrosion Resistance of Superhydrophobic Mg(OH) ₂ /Calcium Myristate Composite Coating on Magnesium Alloy AZ31. <i>Acta Metallurgica Sinica (English Letters)</i> , 2021, 34, 1618-1634.	2.9	10
25	Effects of fluoride ions as electrolyte additives for a PEO/Ni-P composite coating onto Mg alloy AZ31B. <i>Surface and Coatings Technology</i> , 2021, 417, 126883.	4.8	22
26	Evading strength-corrosion tradeoff in Mg alloys via dense ultrafine twins. <i>Nature Communications</i> , 2021, 12, 4616.	12.8	126
27	Corrosion resistance of Ca-P coating induced by layer-by-layer assembled polyvinylpyrrolidone/DNA multilayer on magnesium AZ31 alloy. <i>Frontiers of Materials Science</i> , 2021, 15, 391-405.	2.2	7
28	Dealloying corrosion of anodic and nanometric Mg ₄₁ Nd ₅ in solid solution-treated Mg-3Nd-1Li-0.2Zn alloy. <i>Journal of Materials Science and Technology</i> , 2021, 83, 161-178.	10.7	49
29	Corrosion Resistance of Polyelectrolyte/SiO ₂ Nanoparticles Multilayers on Magnesium Alloy: Effect of Heat Treatment. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 9283-9289.	2.5	2
30	Advances in coatings on magnesium alloys for cardiovascular stents – A review. <i>Bioactive Materials</i> , 2021, 6, 4729-4757.	15.6	93
31	In Vitro Biocompatibility of Surface Corrosion Films upon Magnesium. <i>Corrosion</i> , 2021, 77, 218-227.	1.1	1
32	Corrosion resistance and tunable release of ciprofloxacin-loaded multilayers on magnesium alloy: Effects of SiO ₂ nanoparticles. <i>Applied Surface Science</i> , 2020, 508, 145240.	6.1	21
33	A new generation of energy storage electrode materials constructed from carbon dots. <i>Materials Chemistry Frontiers</i> , 2020, 4, 729-749.	5.9	70
34	Corrosion resistance of one-step superhydrophobic polypropylene coating on magnesium hydroxide-pretreated magnesium alloy AZ31. <i>Journal of Alloys and Compounds</i> , 2020, 821, 153515.	5.5	44
35	Corrosion resistance of dodecanethiol-modified magnesium hydroxide coating on AZ31 magnesium alloy. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	24
36	Layer-by-layer assembly of gentamicin-based antibacterial multilayers on Ti alloy. <i>Materials Letters</i> , 2020, 261, 127001.	2.6	14

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37	Stimuli-Responsive Luminescent Properties of Tetraphenylethene-Based Strontium and Cobalt Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2020, 132, 19884-19889.	2.0	8
38	Biocorrosion resistance and biocompatibility of Mg-Al layered double hydroxide/poly(L-lactic acid) hybrid coating on magnesium alloy AZ31. <i>Frontiers of Materials Science</i> , 2020, 14, 426-441.	2.2	10
39	Laser polished fused deposition poly-lactic acid objects for personalized orthopaedic application. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	10
40	Synthesis of glutamate intercalated Mg-Al layered double hydroxides: influence of stirring and aging time. <i>Journal of Dispersion Science and Technology</i> , 2020, , 1-9.	2.4	2
41	Corrosion resistance and superhydrophobicity of one-step polypropylene coating on anodized AZ31 Mg alloy. <i>Journal of Magnesium and Alloys</i> , 2020, 9, 1443-1443.	11.9	59
42	Applications of Carbon Dots in Next-Generation Lithium-Ion Batteries. <i>ChemNanoMat</i> , 2020, 6, 1421-1436.	2.8	21
43	Self-catalytic degradation of iron-bearing chemical conversion coating on magnesium alloys - Influence of Fe content. <i>Frontiers of Materials Science</i> , 2020, 14, 296-313.	2.2	9
44	Synergistic Coating Strategy Combining Photodynamic Therapy and Fluoride-Free Superhydrophobicity for Eradicating Bacterial Adhesion and Reinforcing Corrosion Protection. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 46862-46873.	8.0	27
45	Stimuli-Responsive Luminescent Properties of Tetraphenylethene-Based Strontium and Cobalt Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19716-19721.	13.8	70
46	Biodegradation behavior of micro-arc oxidation coating on magnesium alloy-from a protein perspective. <i>Bioactive Materials</i> , 2020, 5, 398-409.	15.6	92
47	Biocorrosion resistance and biocompatibility of Mg-Al layered double hydroxide/poly-L-glutamic acid hybrid coating on magnesium alloy AZ31. <i>Progress in Organic Coatings</i> , 2020, 147, 105746.	3.9	22
48	Surface states of carbon dots and their influences on luminescence. <i>Journal of Applied Physics</i> , 2020, 127, .	2.5	180
49	A triple-layered hybrid coating with self-organized microporous polymer film on magnesium for biodegradable implant applications. <i>Medical Devices & Sensors</i> , 2020, 3, e10070.	2.7	4
50	In vitro degradation of pure magnesium-the synergetic influences of glucose and albumin. <i>Bioactive Materials</i> , 2020, 5, 318-333.	15.6	50
51	Corrosion resistance of an amino acid-bioinspired calcium phosphate coating on magnesium alloy AZ31. <i>Journal of Materials Science and Technology</i> , 2020, 49, 224-235.	10.7	49
52	Microbial ingress and in vitro degradation enhanced by glucose on bioabsorbable Mg-Li-Ca alloy. <i>Bioactive Materials</i> , 2020, 5, 902-916.	15.6	12
53	Advances in coatings on biodegradable magnesium alloys. <i>Journal of Magnesium and Alloys</i> , 2020, 8, 42-65.	11.9	274
54	Corrosion resistance and electrical conductivity of a nano ATO-doped MAO/methyltrimethoxysilane composite coating on magnesium alloy AZ31. <i>Corrosion Science</i> , 2020, 168, 108570.	6.6	46

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55	In vitro corrosion resistance of layer-by-layer assembled polyacrylic acid multilayers induced Ca ²⁺ /P coating on magnesium alloy AZ31. <i>Bioactive Materials</i> , 2020, 5, 153-163.	15.6	48
56	Mo-V-Nb-O-based catalysts for low-temperature selective oxidation of C ₁₂ -OH lignin model compounds. <i>Frontiers of Materials Science</i> , 2020, 14, 52-61.	2.2	2
57	In vitro corrosion resistance of a Ta ₂ O ₅ nanofilm on MAO coated magnesium alloy AZ31 by atomic layer deposition. <i>Bioactive Materials</i> , 2020, 5, 34-43.	15.6	61
58	In vitro degradation and cytocompatibility of a low temperature in-situ grown self-healing Mg-Al LDH coating on MAO-coated magnesium alloy AZ31. <i>Bioactive Materials</i> , 2020, 5, 364-376.	15.6	90
59	A stable nanoscaled Zr-MOF for the detection of toxic mycotoxin through a pH-modulated ratiometric luminescent switch. <i>Chemical Communications</i> , 2020, 56, 5389-5392.	4.1	49
60	Network Structural CNTs Penetrate Porous Carbon Support for Phase Change Materials with Enhanced Electro-thermal Performance. <i>Advanced Electronic Materials</i> , 2020, 6, 1901428.	5.1	26
61	Advance in Antibacterial Magnesium Alloys and Surface Coatings on Magnesium Alloys: A Review. <i>Acta Metallurgica Sinica (English Letters)</i> , 2020, 33, 615-629.	2.9	80
62	In vitro and in vivo investigation on biodegradable Mg-Li-Ca alloys for bone implant application. <i>Science China Materials</i> , 2019, 62, 256-272.	6.3	39
63	In vitro corrosion of pure Mg in phosphate buffer solution—Influences of isoelectric point and molecular structure of amino acids. <i>Materials Science and Engineering C</i> , 2019, 105, 110042.	7.3	33
64	Selective Laser Melting of Duplex Stainless Steel 2205: Effect of Post-Processing Heat Treatment on Microstructure, Mechanical Properties, and Corrosion Resistance. <i>Materials</i> , 2019, 12, 2468.	2.9	73
65	Corrosion and Wear Resistance of Micro-Arc Oxidation Composite Coatings on Magnesium Alloy AZ31—The Influence of Inclusions of Carbon Spheres. <i>Advanced Engineering Materials</i> , 2019, 21, 1900446.	3.5	38
66	Corrosion resistance and antibacterial activity of zinc-loaded montmorillonite coatings on biodegradable magnesium alloy AZ31. <i>Acta Biomaterialia</i> , 2019, 98, 196-214.	8.3	114
67	Improving in vitro and in vivo antibacterial functionality of Mg alloys through micro-alloying with Sr and Ga. <i>Materials Science and Engineering C</i> , 2019, 104, 109926.	7.3	42
68	Corrosion resistance of a silane/ceria modified Mg-Al-layered double hydroxide on AA5005 aluminum alloy. <i>Frontiers of Materials Science</i> , 2019, 13, 420-430.	2.2	13
69	Corrosion resistance of in-situ growth of nano-sized Mg(OH) ₂ on micro-arc oxidized magnesium alloy AZ31—Influence of EDTA. <i>Journal of Materials Science and Technology</i> , 2019, 35, 1088-1098.	10.7	86
70	Recent Advances in LPSO-Containing Wrought Magnesium Alloys: Relationships Between Processing, Microstructure, and Mechanical Properties. <i>Jom</i> , 2019, 71, 3314-3327.	1.9	64
71	Design and preparation of nanoporous Ag-Cu alloys by dealloying Mg-(Ag,Cu)-Y metallic glasses for antibacterial applications. <i>Journal of Materials Chemistry B</i> , 2019, 7, 4169-4176.	5.8	30
72	Corrosion resistance of Mg(OH) ₂ /Mg-Al-layered double hydroxide coatings on magnesium alloy AZ31: influence of hydrolysis degree of silane. <i>Rare Metals</i> , 2019, 38, 629-641.	7.1	52

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73	Corrosion resistance and drug release profile of gentamicin-loaded polyelectrolyte multilayers on magnesium alloys: Effects of heat treatment. <i>Journal of Colloid and Interface Science</i> , 2019, 547, 309-317.	9.4	43
74	Corrosion resistance and antibacterial properties of hydroxyapatite coating induced by gentamicin-loaded polymeric multilayers on magnesium alloys. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 179, 429-436.	5.0	73
75	Efficient Oxygen Electrocatalyst for Zn-Air Batteries: Carbon Dots and Co ₉ S ₈ Nanoparticles in a N,S-Codoped Carbon Matrix. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 14085-14094.	8.0	96
76	Fundamental Theory of Biodegradable Metals—Definition, Criteria, and Design. <i>Advanced Functional Materials</i> , 2019, 29, 1805402.	14.9	226
77	Corrosion resistance of nanostructured magnesium hydroxide coating on magnesium alloy AZ31: influence of EDTA. <i>Rare Metals</i> , 2019, 38, 520-531.	7.1	45
78	Corrosion resistance of bioinspired DNA-induced Ca-P coating on biodegradable magnesium alloy. <i>Journal of Magnesium and Alloys</i> , 2019, 7, 144-154.	11.9	68
79	Saccharomyces-derived carbon dots for biosensing pH and vitamin B 12. <i>Talanta</i> , 2019, 195, 117-126.	5.5	52
80	Heteroatom-doped carbon dots based catalysts for oxygen reduction reactions. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 716-724.	9.4	63
81	In vitro corrosion resistance and antibacterial performance of novel tin dioxide-doped calcium phosphate coating on degradable Mg-1Li-1Ca alloy. <i>Journal of Materials Science and Technology</i> , 2019, 35, 254-265.	10.7	57
82	Corrosion resistance of a self-healing multilayer film based on SiO ₂ and CeO ₂ nanoparticles layer-by-layer assembly on Mg alloys. <i>Materials Letters</i> , 2019, 237, 14-18.	2.6	56
83	Corrosion resistance and antibacterial effects of hydroxyapatite coating induced by polyacrylic acid and gentamicin sulfate on magnesium alloy. <i>Frontiers of Materials Science</i> , 2019, 13, 87-98.	2.2	33
84	Corrosion resistance of glucose-induced hydrothermal calcium phosphate coating on pure magnesium. <i>Applied Surface Science</i> , 2019, 465, 1066-1077.	6.1	97
85	Corrosion resistance and antibacterial properties of polysiloxane modified layer-by-layer assembled self-healing coating on magnesium alloy. <i>Journal of Colloid and Interface Science</i> , 2018, 526, 43-50.	9.4	104
86	A comparison of corrosion inhibition of magnesium aluminum and zinc aluminum vanadate intercalated layered double hydroxides on magnesium alloys. <i>Frontiers of Materials Science</i> , 2018, 12, 198-206.	2.2	44
87	Preparation of porous carbon electrodes from semen cassiae for high-performance electric double-layer capacitors. <i>New Journal of Chemistry</i> , 2018, 42, 6763-6769.	2.8	29
88	Effect of coordinated water of hexahydrate on nickel platings from choline-urea ionic liquid. <i>Journal of Materials Science</i> , 2018, 53, 10758-10771.	3.7	15
89	Self-degradation of micro-arc oxidation/chitosan composite coating on Mg-4Li-1Ca alloy. <i>Surface and Coatings Technology</i> , 2018, 344, 1-11.	4.8	104
90	Research Progress of Graphene-Based Rubber Nanocomposites. <i>Polymer Composites</i> , 2018, 39, 1006-1022.	4.6	36

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91	Corrosion Resistance of Silane-Modified Hydroxyapatite Films on Degradable Magnesium Alloys. <i>Acta Metallurgica Sinica (English Letters)</i> , 2018, 31, 180-188.	2.9	34
92	Biodegradation of Mg-14Li alloy in simulated body fluid: A proof-of-concept study. <i>Bioactive Materials</i> , 2018, 3, 110-117.	15.6	25
93	Corrosion resistance of a novel SnO ₂ -doped dicalcium phosphate coating on AZ31 magnesium alloy. <i>Bioactive Materials</i> , 2018, 3, 245-249.	15.6	32
94	Corrosion resistance and adhesion strength of a spin-assisted layer-by-layer assembled coating on AZ31 magnesium alloy. <i>Applied Surface Science</i> , 2018, 434, 787-795.	6.1	82
95	In vitro degradation and biocompatibility of Mg-Li-Ca alloys—the influence of Li content. <i>Science China Materials</i> , 2018, 61, 607-618.	6.3	38
96	Exfoliation corrosion of extruded Mg-Li-Ca alloy. <i>Journal of Materials Science and Technology</i> , 2018, 34, 1550-1557.	10.7	84
97	In vitro corrosion resistance of a layer-by-layer assembled DNA coating on magnesium alloy. <i>Applied Surface Science</i> , 2018, 457, 49-58.	6.1	57
98	Corrosion resistance of a ceria/polymethyltrimethoxysilane modified Mg-Al-layered double hydroxide on AZ31 magnesium alloy. <i>Journal of Alloys and Compounds</i> , 2018, 764, 913-928.	5.5	88
99	In vitro corrosion of magnesium alloy AZ31 — a synergetic influence of glucose and Tris. <i>Frontiers of Materials Science</i> , 2018, 12, 184-197.	2.2	32
100	Advances in functionalized polymer coatings on biodegradable magnesium alloys — A review. <i>Acta Biomaterialia</i> , 2018, 79, 23-36.	8.3	338
101	In vitro corrosion of micro-arc oxidation coating on Mg-1Li-1Ca alloy — The influence of intermetallic compound Mg ₂ Ca. <i>Journal of Alloys and Compounds</i> , 2018, 764, 250-260.	5.5	95
102	Corrosion resistance of a self-healing micro-arc oxidation/polymethyltrimethoxysilane composite coating on magnesium alloy AZ31. <i>Corrosion Science</i> , 2017, 118, 84-95.	6.6	335
103	Photogenerated cathodic protection and invalidation of silane/TiO ₂ hybrid coatings. <i>Journal of Coatings Technology Research</i> , 2017, 14, 417-424.	2.5	12
104	Application of Cu ₃ InSnSe ₅ Heteronanostructures as Counter Electrodes for Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 18046-18053.	8.0	23
105	Electrodeposition of TiO ₂ layer-by-layer assembled composite coating and silane treatment on Mg alloy for corrosion resistance. <i>Surface and Coatings Technology</i> , 2017, 324, 560-568.	4.8	46
106	Corrosion resistance of a superhydrophobic micro-arc oxidation coating on Mg-4Li-1Ca alloy. <i>Journal of Materials Science and Technology</i> , 2017, 33, 1263-1271.	10.7	84
107	In vitro corrosion of Mg-Ca alloy — The influence of glucose content. <i>Frontiers of Materials Science</i> , 2017, 11, 284-295.	2.2	33
108	In Vitro Degradation of Pure Magnesium—The Effects of Glucose and/or Amino Acid. <i>Materials</i> , 2017, 10, 725.	2.9	43

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109	Corrosion resistance of layer-by-layer assembled polyvinylpyrrolidone/polyacrylic acid and amorphous silica films on AZ31 magnesium alloys. <i>RSC Advances</i> , 2016, 6, 63107-63116.	3.6	56
110	In vitro corrosion and antibacterial performance of polysiloxane and poly(acrylic acid)/gentamicin sulfate composite coatings on AZ31 alloy. <i>Surface and Coatings Technology</i> , 2016, 291, 7-14.	4.8	38
111	In Vitro Corrosion and Cytocompatibility of a Microarc Oxidation Coating and Poly(l-lactic acid) Composite Coating on Mg-1Li-1Ca Alloy for Orthopedic Implants. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 10014-10028.	8.0	256
112	Influence of surface chemistry on the formation of crystalline hydroxide coatings on Mg alloys in liquid water and steam systems. <i>Corrosion Science</i> , 2016, 113, 145-159.	6.6	59
113	Blood compatibility of zinc-calcium phosphate conversion coating on Mg-1.33Li-0.6Ca alloy. <i>Frontiers of Materials Science</i> , 2016, 10, 281-289.	2.2	27
114	Corrosion resistance of biodegradable polymeric layer-by-layer coatings on magnesium alloy AZ31. <i>Frontiers of Materials Science</i> , 2016, 10, 134-146.	2.2	27
115	In vitro corrosion of pure magnesium and AZ91 alloy—the influence of thin electrolyte layer thickness. <i>International Journal of Energy Production and Management</i> , 2016, 3, 49-56.	3.7	10
116	In vitro corrosion and antibacterial properties of layer-by-layer assembled GS/PSS coating on AZ31 magnesium alloys. <i>Transactions of Nonferrous Metals Society of China</i> , 2015, 25, 4028-4039.	4.2	24
117	In vitro evaluation of biodegradable magnesium alloys containing micro-alloying additions of strontium, with and without zinc. <i>Journal of Materials Chemistry B</i> , 2015, 3, 8874-8883.	5.8	29
118	Corrosion Resistance of Superhydrophobic Mg-Al Layered Double Hydroxide Coatings on Aluminum Alloys. <i>Acta Metallurgica Sinica (English Letters)</i> , 2015, 28, 1373-1381.	2.9	70
119	Corrosion resistance of in-situ Mg-Al hydrotalcite conversion film on AZ31 magnesium alloy by one-step formation. <i>Transactions of Nonferrous Metals Society of China</i> , 2015, 25, 1917-1925.	4.2	70
120	Corrosion Resistance of Silane-Modified Hydroxide Zinc Carbonate Film on AZ31 Magnesium Alloy. <i>Acta Metallurgica Sinica (English Letters)</i> , 2015, 28, 373-380.	2.9	29
121	In vitro corrosion of as-extruded Mg-Ca alloys—The influence of Ca concentration. <i>Corrosion Science</i> , 2015, 96, 23-31.	6.6	147
122	Mechanical and corrosion properties of Al/Ti film on magnesium alloy AZ31B. <i>Frontiers of Materials Science</i> , 2015, 9, 66-76.	2.2	17
123	Corrosion resistance of Zn-Al layered double hydroxide/poly(lactic acid) composite coating on magnesium alloy AZ31. <i>Frontiers of Materials Science</i> , 2015, 9, 355-365.	2.2	85
124	In vitro degradation of pure Mg in response to glucose. <i>Scientific Reports</i> , 2015, 5, 13026.	3.3	99
125	Fabrication of the Superhydrophobic Surface on Magnesium Alloy and Its Corrosion Resistance. <i>Journal of Materials Science and Technology</i> , 2015, 31, 1139-1143.	10.7	90
126	In vitro corrosion of Mg-6Zn-1Mn-4Sn-1.5Nd/0.5Y alloys. <i>Frontiers of Materials Science</i> , 2014, 8, 230-243.	2.2	15

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127	Corrosion of magnesium alloy AZ31: The influence of bicarbonate, sulphate, hydrogen phosphate and dihydrogen phosphate ions in saline solution. <i>Corrosion Science</i> , 2014, 86, 171-182.	6.6	126
128	Electrosprayed PLGA smart containers for active anti-corrosion coating on magnesium alloy AMLite. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5738.	10.3	61
129	In vitro degradation of MAO/PLA coating on Mg-1.21Li-1.12Ca-1.0Y alloy. <i>Frontiers of Materials Science</i> , 2014, 8, 343-353.	2.2	53
130	Corrosion resistance of calcium-modified zinc phosphate conversion coatings on magnesium-aluminium alloys. <i>Corrosion Science</i> , 2014, 88, 452-459.	6.6	121
131	Corrosion of molybdate intercalated hydrotalcite coating on AZ31 Mg alloy. <i>Journal of Materials Chemistry A</i> , 2014, 2, 13049-13057.	10.3	184
132	Corrosion and characterisation of dual phase Mg-Li-Ca alloy in Hank's solution: The influence of microstructural features. <i>Corrosion Science</i> , 2014, 79, 69-82.	6.6	289
133	Immobilization of hemoglobin on cobalt nanoparticles-modified indium tin oxide electrode: Direct electrochemistry and electrocatalytic activity. <i>Chemical Research in Chinese Universities</i> , 2013, 29, 563-567.	2.6	2
134	Self-assembled silane film and silver nanoparticles coating on magnesium alloys for corrosion resistance and antibacterial applications. <i>Acta Metallurgica Sinica (English Letters)</i> , 2013, 26, 681-686.	2.9	31
135	Enhancement of the corrosion properties of cold sprayed Ti-6Al-4V coatings on mild steel via silica sealer. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 0, , .	1.5	6
136	The influence of powder morphology on the microstructure and mechanical properties of as-sprayed and heat-treated cold-sprayed CP Ti. <i>International Journal of Advanced Manufacturing Technology</i> , 0, , 1.	3.0	2
137	Evolution and stability of 2-mercaptobenzimidazole inhibitor film upon Al alloy 6061. <i>Journal of Applied Electrochemistry</i> , 0, , 1.	2.9	1