

# Xiaorong Zhou

## List of Publications by Year in descending order

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192  
papers

7,285  
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41258

49  
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76769

74  
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192  
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192  
docs citations

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times ranked

4353  
citing authors

#	ARTICLE	IF	CITATIONS
1	PEO coating on Mg-Ag alloy: The incorporation and release of Ag species. <i>Journal of Magnesium and Alloys</i> , 2023, 11, 2182-2195.	5.5	15
2	Corrosion behaviour of 2A97-T8 Al-Cu-Li alloy extrusion. <i>Journal of Alloys and Compounds</i> , 2022, 898, 162872.	2.8	9
3	Enhanced corrosion resistance of AZ31 Mg alloy by one-step formation of PEO/Mg-Al LDH composite coating. <i>Corrosion Communications</i> , 2022, 6, 67-83.	2.7	24
4	Comparing Xe <sup>+</sup> pFIB and Ga <sup>+</sup> FIB for TEM sample preparation of Al alloys: Minimising FIB-induced artefacts. <i>Journal of Microscopy</i> , 2021, 282, 101-112.	0.8	29
5	The behaviour of iron-containing intermetallic particles in aluminium alloys in alkaline solution. <i>Corrosion Science</i> , 2021, 179, 109134.	3.0	9
6	Intergranular corrosion of AA6082 Al-Mg-Si alloy extrusion: The influence of trace Cu and grain boundary misorientation. <i>Journal of Alloys and Compounds</i> , 2021, 853, 157228.	2.8	35
7	Mechanism of Mn on inhibiting Fe-caused magnesium corrosion. <i>Journal of Magnesium and Alloys</i> , 2021, 9, 676-685.	5.5	29
8	The behaviour of AA5754 and AA5052 aluminium alloys in alkaline etching solution: Similarity and difference. <i>Materials Characterization</i> , 2021, 171, 110768.	1.9	6
9	Effect of Ag on cathodic activation and corrosion behaviour of Mg-Mn-Ag alloys. <i>Corrosion Science</i> , 2021, 185, 109408.	3.0	31
10	Microstructure and corrosion behaviour of wire arc additive manufactured AA2024 alloy thin wall structure. <i>Corrosion Science</i> , 2021, 186, 109453.	3.0	21
11	The influence of room temperature storage on intergranular corrosion susceptibility of AA6082 Al-Mg-Si alloy. <i>Corrosion Communications</i> , 2021, 3, 71-79.	2.7	5
12	On Interfacial Microstructure Evolution in an Isothermally Exposed SiC Fiber-Reinforced Ti-17 Matrix Composite. <i>Microscopy and Microanalysis</i> , 2020, 26, 18-28.	0.2	2
13	Mechanism for Si Poisoning of Al-Ti-B Grain Refiners in Al Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020, 51, 5743-5757.	1.1	29
14	Electrodeposition of nickel in air- and water-stable 1-butyl-3-methylimidazolium dibutylphosphate ionic liquid. <i>RSC Advances</i> , 2020, 10, 16576-16583.	1.7	7
15	Observations on the Early Stages of Corrosion on AA2099-T83. <i>Microscopy and Microanalysis</i> , 2020, 26, 821-836.	0.2	9
16	Alkaline etching and desmutting of aluminium alloy: The behaviour of Mg <sub>2</sub> Si particles. <i>Journal of Alloys and Compounds</i> , 2020, 842, 155834.	2.8	8
17	Corrosion behavior of anodized Al-Cu-Li alloy: The role of intermetallic particle-introduced film defects. <i>Corrosion Science</i> , 2019, 158, 108110.	3.0	46
18	Corrosion behaviour of AA6082 Al-Mg-Si alloy extrusion: The influence of quench cooling rate. <i>Corrosion Science</i> , 2019, 150, 100-109.	3.0	61

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19	Modelling corrosion effect on stiffness of automotive suspension springs. <i>Material Design and Processing Communications</i> , 2019, 1, e25.	0.5	0
20	Effect of anodizing conditions on the cell morphology of anodic films on AA2024-T3 alloy. <i>Surface and Interface Analysis</i> , 2019, 51, 1135-1143.	0.8	7
21	Electrochemical testing practices of environmentally friendly aerospace coatings for corrosion performance assessment. <i>Surface and Interface Analysis</i> , 2019, 51, 1173-1183.	0.8	4
22	Multi-modal plasma focused ion beam serial section tomography of an organic paint coating. <i>Ultramicroscopy</i> , 2019, 197, 1-10.	0.8	10
23	Mechanism for Zr poisoning of Al-Ti-B based grain refiners. <i>Acta Materialia</i> , 2019, 164, 428-439.	3.8	105
24	Optical cleanliness measurement methods for aluminium sheet surfaces. <i>Surface and Interface Analysis</i> , 2019, 51, 1144-1153.	0.8	1
25	Laser welding introduced segregation and its influence on the corrosion behaviour of Al-Cu-Li alloy. <i>Corrosion Science</i> , 2018, 135, 177-191.	3.0	56
26	Effect of iron content on the corrosion of pure magnesium: Critical factor for iron tolerance limit. <i>Corrosion Science</i> , 2018, 139, 421-429.	3.0	56
27	Effect of cooling conditions on microstructure and mechanical properties of friction stir welded 7055 aluminium alloy joints. <i>Materials Characterization</i> , 2018, 141, 74-85.	1.9	46
28	Corrosion behaviour of 2A97-T6 Al-Cu-Li alloy: The influence of non-uniform precipitation. <i>Corrosion Science</i> , 2018, 132, 1-8.	3.0	93
29	The Influence of Stored Energy on Grain Boundary Chemistry and Intergranular Corrosion Development in AA2024-T3 Alloy. <i>Materials</i> , 2018, 11, 2299.	1.3	6
30	Surface Functionalization of an Aluminum Alloy to Generate an Antibiofilm Coating Based on Poly(Methyl Methacrylate) and Silver Nanoparticles. <i>Molecules</i> , 2018, 23, 2747.	1.7	10
31	Corrosion behaviour of AA6082 Al-Mg-Si alloy extrusion: Recrystallized and non-recrystallized structures. <i>Corrosion Science</i> , 2018, 144, 163-171.	3.0	52
32	Corrosion behaviour of an industrial shot-peened and coated automotive spring steel AISI 9254. <i>Corrosion Engineering Science and Technology</i> , 2018, 53, 564-573.	0.7	7
33	An Examination of the Composition and Microstructure of Coarse Intermetallic Particles in AA2099-T8, Including Li Detection. <i>Microscopy and Microanalysis</i> , 2018, 24, 325-341.	0.2	20
34	Effect of Iron-Containing Intermetallic Particles on Film Structure and Corrosion Resistance of Anodized AA2099 Alloy. <i>Journal of the Electrochemical Society</i> , 2018, 165, C573-C581.	1.3	30
35	A study of interface reaction zone in a SiC fibre/Ti-17 composite. <i>Micron</i> , 2018, 113, 91-98.	1.1	4
36	Machining introduced microstructure modification in aluminium alloys. <i>Journal of Alloys and Compounds</i> , 2018, 757, 233-238.	2.8	13

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37	Influence of volume concentration of active inhibitor on microstructure and leaching behaviour of a model primer. <i>Progress in Organic Coatings</i> , 2017, 102, 71-81.	1.9	28
38	An organic coating pigmented with strontium aluminium polyphosphate for corrosion protection of zinc alloy coated steel. <i>Progress in Organic Coatings</i> , 2017, 102, 29-36.	1.9	32
39	Corrosion Behavior of Friction Stir Welded 2A97 Al-Cu-Li alloy. <i>Corrosion</i> , 2017, 73, 988-997.	0.5	27
40	Crystallographic effects on the corrosion of twin roll cast AZ31 Mg alloy sheet. <i>Acta Materialia</i> , 2017, 133, 90-99.	3.8	83
41	Orthogonal machining introduced microstructure modification in AA7150-T651 aluminium alloy. <i>Materials Characterization</i> , 2017, 123, 91-98.	1.9	8
42	The influence of grain structure on the corrosion behaviour of 2A97-T3 Al-Cu-Li alloy. <i>Corrosion Science</i> , 2017, 116, 14-21.	3.0	97
43	Grain distinct stratified nanolayers in aluminium alloys. <i>Materials Chemistry and Physics</i> , 2017, 188, 109-114.	2.0	8
44	The corrosion behaviour of machined AA7150-T651 aluminium alloy. <i>Corrosion Science</i> , 2017, 126, 265-271.	3.0	55
45	Localized corrosion in AA2024-T351 aluminium alloy: Transition from intergranular corrosion to crystallographic pitting. <i>Materials Characterization</i> , 2017, 130, 230-236.	1.9	90
46	An investigation of the corrosion inhibitive layers generated from lithium oxalate-containing organic coating on AA2024-T3 aluminium alloy. <i>Surface and Interface Analysis</i> , 2016, 48, 798-803.	0.8	23
47	Correlation between localized plastic deformation and localized corrosion in AA2099 aluminium-lithium alloy. <i>Surface and Interface Analysis</i> , 2016, 48, 838-842.	0.8	21
48	Influence of thermomechanical treatments on localized corrosion susceptibility and propagation mechanism of AA2099 Al-Li alloy. <i>Transactions of Nonferrous Metals Society of China</i> , 2016, 26, 1472-1481.	1.7	38
49	Localized dissolution initiated at single and clustered intermetallic particles during immersion of Al-Cu-Mg alloy in sodium chloride solution. <i>Transactions of Nonferrous Metals Society of China</i> , 2016, 26, 2800-2809.	1.7	16
50	Microstructure Evolution in the Near-Surface Region During Homogenization of a Twin-Roll Cast AlFeMnSi Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2016, 47, 4268-4275.	1.1	13
51	Corrosion inhibition of pure aluminium and AA2014-T6 alloy by strontium chromate at low concentration. <i>Surface and Interface Analysis</i> , 2016, 48, 804-808.	0.8	6
52	Characterization of Localized Corrosion in an Al-Cu-Li Alloy. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 1811-1819.	1.2	23
53	Formation of a Trivalent Chromium Conversion Coating on AA2024-T351 Alloy. <i>Journal of the Electrochemical Society</i> , 2016, 163, C25-C35.	1.3	69
54	The propagation of localized corrosion in Al-Cu-Li alloy. <i>Surface and Interface Analysis</i> , 2016, 48, 745-749.	0.8	31

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55	Effect of Anodizing Parameters on Film Morphology and Corrosion Resistance of AA2099 Aluminum-Lithium Alloy. <i>Journal of the Electrochemical Society</i> , 2016, 163, C369-C376.	1.3	31
56	Influence of pre- and post-treatments on formation of a trivalent chromium conversion coating on AA2024 alloy. <i>Thin Solid Films</i> , 2016, 616, 270-278.	0.8	47
57	Effect of prior sputter deposition of pure aluminium on the corrosion behaviour of anodized friction stir weld of dissimilar aluminium alloys. <i>Scripta Materialia</i> , 2016, 123, 126-129.	2.6	8
58	In-service sensitization of a microstructurally heterogeneous AA5083 alloy. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2016, 67, 378-386.	0.8	6
59	Effect of low temperature sensitization on the susceptibility to intergranular corrosion in AA5083 aluminum alloy. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2016, 67, 331-339.	0.8	7
60	Microstructural origin of localized corrosion in anodized AA2099-T8 aluminium-lithium alloy. <i>Surface and Interface Analysis</i> , 2016, 48, 739-744.	0.8	12
61	Investigation of dealloying of S phase (Al <sub>2</sub> CuMg) in AA 2024-T3 aluminium alloy using high resolution 2D and 3D electron imaging. <i>Corrosion Science</i> , 2016, 103, 157-164.	3.0	119
62	Protective Film Formation on AA2024-T3 Aluminum Alloy by Leaching of Lithium Carbonate from an Organic Coating. <i>Journal of the Electrochemical Society</i> , 2016, 163, C45-C53.	1.3	52
63	Study of the Linear Friction Welding Process of Dissimilar Ti-6Al-4V-Stainless Steel Joints. <i>Materials and Manufacturing Processes</i> , 2016, 31, 2115-2122.	2.7	17
64	Investigation of the de-alloying behaviour of $\hat{\Gamma}$ -phase (Al <sub>2</sub> Cu) in AA2024-T351 aluminium alloy. <i>Corrosion Science</i> , 2016, 108, 85-93.	3.0	98
65	Localised corrosion in AA 2099-T83 aluminium-lithium alloy: The role of grain orientation. <i>Corrosion Science</i> , 2016, 107, 41-48.	3.0	120
66	3D imaging by serial block face scanning electron microscopy for materials science using ultramicrotomy. <i>Ultramicroscopy</i> , 2016, 163, 6-18.	0.8	38
67	Continuous and discontinuous localized corrosion of a 2xxx aluminium-copper-lithium alloy in sodium chloride solution. <i>Journal of Alloys and Compounds</i> , 2016, 658, 61-70.	2.8	74
68	Corrosion behaviour of stainless steel-titanium alloy linear friction welded joints: Galvanic coupling. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2015, 66, 111-117.	0.8	30
69	The Influence of Prolonged Natural Aging on the Subsequent Artificial Aging Response of the AA6111 Automotive Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015, 46, 4380-4393.	1.1	12
70	Study of the Metallurgy of a Dissimilar Ti-6Al-4V-Stainless Steel Linear Friction Welded Joints. <i>Key Engineering Materials</i> , 2015, 651-653, 1427-1432.	0.4	2
71	The corrosion protection of AA2024-T3 aluminium alloy by leaching of lithium-containing salts from organic coatings. <i>Faraday Discussions</i> , 2015, 180, 511-526.	1.6	81
72	Delamination of near-surface layer on cold rolled AlFeSi alloy during sheet forming. <i>Materials Characterization</i> , 2015, 99, 109-117.	1.9	21

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73	Antibacterial and non-cytotoxic effect of nanocomposites based in polyethylene and copper nanoparticles. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 129.	1.7	19
74	Structure of the Copper-Enriched Layer Introduced by Anodic Oxidation of Copper-Containing Aluminium Alloy. <i>Electrochimica Acta</i> , 2015, 179, 394-401.	2.6	42
75	Grain refining mechanism in the Al/Al-Ti-B system. <i>Acta Materialia</i> , 2015, 84, 292-304.	3.8	421
76	Understanding the galvanic interactions between AA2024T3 and mild steel using the scanning vibrating electrode technique. <i>Materials Chemistry and Physics</i> , 2015, 161, 228-236.	2.0	4
77	The Role of Intermetallics on the Corrosion Initiation of Twin Roll Cast AZ31 Mg Alloy. <i>Journal of the Electrochemical Society</i> , 2015, 162, C442-C448.	1.3	40
78	Corrosion susceptibility of dissimilar friction stir welds of AA5083 and AA6082 alloys. <i>Materials Characterization</i> , 2015, 107, 85-97.	1.9	64
79	Flow patterns in friction stir welds of AA5083 and AA6082 alloys. <i>Materials and Design</i> , 2015, 83, 203-213.	3.3	56
80	Localized corrosion in AA2099-T83 aluminium-lithium alloy: The role of intermetallic particles. <i>Materials Chemistry and Physics</i> , 2015, 161, 201-210.	2.0	99
81	Investigation of the microstructure and the influence of iron on the formation of Al <sub>8</sub> Mn <sub>5</sub> particles in twin roll cast AZ31 magnesium alloy. <i>Journal of Alloys and Compounds</i> , 2015, 628, 195-198.	2.8	43
82	Corrosion Behavior of Pure Magnesium with Low Iron Content in 3.5 wt% NaCl Solution. <i>Journal of the Electrochemical Society</i> , 2015, 162, C362-C368.	1.3	48
83	Near-Surface Microstructure on Twin-Roll Cast 8906 Aluminum Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015, 46, 2688-2695.	1.1	15
84	Crystallographic defects induced localised corrosion in AA2099-T8 aluminium alloy. <i>Corrosion Engineering Science and Technology</i> , 2015, 50, 420-424.	0.7	46
85	FIB-SEM investigation on corrosion propagation of aluminium-lithium alloy in sodium chloride solution. <i>Corrosion Engineering Science and Technology</i> , 2015, 50, 390-396.	0.7	9
86	Anodizing Behavior of Friction Stir Welded Dissimilar Aluminum Alloys. <i>Journal of the Electrochemical Society</i> , 2015, 162, C657-C665.	1.3	13
87	Trivalent chromium conversion coating formation on aluminium. <i>Surface and Coatings Technology</i> , 2015, 280, 317-329.	2.2	95
88	The role of crack branching in stress corrosion cracking of aluminium alloys. <i>Corrosion Reviews</i> , 2015, 33, 443-454.	1.0	23
89	Effect of Near-Ambient Temperature Changes on the Galvanic Corrosion of an AA2024-T3 and Mild Steel Couple. <i>Journal of the Electrochemical Society</i> , 2015, 162, C42-C46.	1.3	13
90	Effect of traces of silicon on the formation of Fe-rich particles in pure magnesium and the corrosion susceptibility of magnesium. <i>Journal of Alloys and Compounds</i> , 2015, 619, 396-400.	2.8	53

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91	Discoloration of Anodized AA6063 Aluminum Alloy. Journal of the Electrochemical Society, 2014, 161, C312-C320.	1.3	15
92	Release of silver and copper nanoparticles from polyethylene nanocomposites and their penetration into <i>Listeria monocytogenes</i> . Materials Science and Engineering C, 2014, 40, 24-31.	3.8	159
93	A systematic study of antibacterial silver nanoparticles: efficiency, enhanced permeability, and cytotoxic effects. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	17
94	Heterogeneous Nucleation of $\delta$ -Al Grain on Primary $\alpha$ -AlFeMnSi Intermetallic Investigated Using 3D SEM Ultramicrotomy and HRTEM. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 3971-3980.	1.1	30
95	Revealing the three dimensional internal structure of aluminium alloys. Surface and Interface Analysis, 2013, 45, 1536-1542.	0.8	19
96	Comparison of the behaviours of chromate and sol-gel coatings on aluminium. Surface and Interface Analysis, 2013, 45, 1446-1451.	0.8	10
97	Visualisation of conductive filler distributions in polymer composites using voltage and energy contrast imaging in SEM. Polymer, 2013, 54, 330-340.	1.8	6
98	Surface texture formed on AA2099 Al-Cu alloy during alkaline etching. Corrosion Science, 2013, 66, 292-299.	3.0	29
99	New evidence on the role of catalase in <i>Escherichia coli</i> -mediated biocorrosion. Corrosion Science, 2013, 67, 32-41.	3.0	32
100	Surface treatment of aluminium automotive sheet: Mythology and technology. Surface and Interface Analysis, 2013, 45, 1430-1434.	0.8	5
101	Grain-stored energy and the propagation of intergranular corrosion in AA2xxx aluminium alloys. Surface and Interface Analysis, 2013, 45, 1543-1547.	0.8	68
102	Origin of streaks on anodised aluminium alloy extrusions. Transactions of the Institute of Metal Finishing, 2013, 91, 11-16.	0.6	13
103	Microstructural Modification Arising from Alkaline Etching and Its Effect on Anodizing Behavior of Al-Li-Cu Alloy. Journal of the Electrochemical Society, 2013, 160, C111-C118.	1.3	16
104	Three Dimensional Imaging of Light Metals Using Serial Block Face Scanning Electron Microscopy (SBFSEM). Materials Science Forum, 2013, 765, 501-505.	0.3	5
105	Investigation of dealloying by ultra-high-resolution nanotomography. Surface and Interface Analysis, 2013, 45, 1548-1552.	0.8	22
106	Influence of surface pretreatments on the corrosion protection of sol-gel coated AA2024-T3 aluminium alloy. Surface and Interface Analysis, 2013, 45, 1452-1456.	0.8	21
107	Microstructure and corrosion behaviour of low copper 7xxx aluminium alloy. Surface and Interface Analysis, 2013, 45, 1604-1609.	0.8	4
108	Anodizing of AA6063 aluminium alloy profiles: Generation of dark appearance. Surface and Interface Analysis, 2013, 45, 1479-1484.	0.8	17

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109	Influence of near-surface deformed layers on filiform corrosion of AA3104 aluminium alloy. <i>Surface and Interface Analysis</i> , 2013, 45, 1553-1557.	0.8	27
110	Effect of microstructure on the corrosion behaviour of extruded heat exchanger aluminium alloys. <i>Surface and Interface Analysis</i> , 2013, 45, 1597-1603.	0.8	14
111	Single-Step Fabrication of Metal Nanoparticle Loaded Mesoporous Alumina through Anodizing of a Commercial Aluminum Alloy. <i>Electrochemical and Solid-State Letters</i> , 2012, 15, E4.	2.2	8
112	Experimental study on catalytic steam gasification of municipal solid waste for bioenergy production in a combined fixed bed reactor. <i>Biomass and Bioenergy</i> , 2012, 46, 174-180.	2.9	51
113	Study of localized corrosion in AA2024 aluminium alloy using electron tomography. <i>Corrosion Science</i> , 2012, 58, 299-306.	3.0	111
114	Observations of intergranular corrosion in AA2024-T351: The influence of grain stored energy. <i>Corrosion Science</i> , 2012, 61, 35-44.	3.0	136
115	Anodic film growth on Al-Cu alloy AA2099-T8. <i>Electrochimica Acta</i> , 2012, 80, 148-159.	2.6	40
116	Influence of Lead on the Microstructure and Corrosion Behavior of Melt-Conditioned, Twin-Roll-Cast AZ91D Magnesium Alloy. <i>Corrosion</i> , 2012, 68, 548-556.	0.5	5
117	The Impact of Melt-Conditioned Twin-Roll Casting on the Downstream Processing of an AZ31 Magnesium Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012, 43, 1035-1047.	1.1	22
118	Characterisation of magnesium oxide and its interface with $\delta$ -Mg in Mg-Al-based alloys. <i>Philosophical Magazine Letters</i> , 2011, 91, 516-529.	0.5	67
119	Corrosion of AA2024-T3 Part II: Co-operative corrosion. <i>Corrosion Science</i> , 2011, 53, 27-39.	3.0	169
120	Corrosion of AA2024-T3 Part III: Propagation. <i>Corrosion Science</i> , 2011, 53, 40-50.	3.0	111
121	Discontinuities in the porous anodic film formed on AA2099-T8 aluminium alloy. <i>Corrosion Science</i> , 2011, 53, 4141-4151.	3.0	63
122	Anodic Film Formation on AA 2099-T8 Aluminum Alloy in Tartaric-Sulfuric Acid. <i>Journal of the Electrochemical Society</i> , 2011, 158, C17.	1.3	45
123	The characterisation and performance of Ce(dbp) <sub>3</sub> -inhibited epoxy coatings. <i>Progress in Organic Coatings</i> , 2011, 70, 91-101.	1.9	77
124	Distribution of intermetallics in an AA 2099-T8 aluminium alloy extrusion. <i>Materials Chemistry and Physics</i> , 2011, 126, 46-53.	2.0	102
125	A silanol-based nanocomposite coating for protection of AA-2024 aluminium alloy. <i>Electrochimica Acta</i> , 2011, 56, 7586-7595.	2.6	38
126	Near-Surface Deformed Layers on Rolled Aluminum Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2011, 42, 1373-1385.	1.1	62



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127	Nanotomography for understanding materials degradation. Scripta Materialia, 2010, 63, 835-838.	2.6	45
128	Evolution of near-surface deformed layers during hot rolling of AA3104 aluminium alloy. Surface and Interface Analysis, 2010, 42, 180-184.	0.8	33
129	Corrosion behaviour of mechanically polished AA7075-T6 aluminium alloy. Surface and Interface Analysis, 2010, 42, 185-188.	0.8	51
130	Syn-Gas Production from Catalytic Steam Gasification of Municipal Solid Wastes in a Combined Fixed Bed Reactor. , 2010, , .		2
131	The effect of Al <sub>8</sub> Mn <sub>5</sub> intermetallic particles on grain size of as-cast Mg-Al-Zn AZ91D alloy. Intermetallics, 2010, 18, 1683-1689.	1.8	93
132	Co-operative corrosion phenomena. Corrosion Science, 2010, 52, 665-668.	3.0	42
133	Coatings Produced by Anodic Oxidation*. , 2010, , 2503-2518.		2
134	Electron and Photon Based Spatially Resolved Techniques. , 2010, , 1405-1429.		0
135	Magnesium research: scientific challenges. Materials Technology, 2009, 24, 133-136.	1.5	14
136	Hierarchical Al <sub>2</sub> O <sub>3</sub> Nanobelts and Nanowires: Morphology Control and Growth Mechanism. Crystal Growth and Design, 2009, 9, 4230-4234.	1.4	33
137	Ultrathin single crystal Pt nanowires grown on N-doped carbon nanotubes. Chemical Communications, 2009, , 7048.	2.2	63
138	Effect of grain orientation on the morphology, dielectric breakdown and optical behaviour of anodic film formed on Al-2wt%Cu binary alloy. Electrochimica Acta, 2008, 53, 5684-5691.	2.6	22
139	Silica nanotubes decorated with internal periodic rings. Chemical Physics Letters, 2008, 458, 138-142.	1.2	6
140	Self-Organizing Growth of MgAl <sub>2</sub> O <sub>4</sub> Based Heterostructural Nanochains. Journal of Physical Chemistry C, 2008, 112, 10038-10042.	1.5	8
141	Selective Growth of $\pm$ and Nanobelts. Journal of Nanomaterials. 2008. 2008. 1-8.	1.5	8
142	EELS study of oxidation state of tungsten in anodic alumina film formed on Al-6.5 at.-%W alloy. Transactions of the Institute of Metal Finishing, 2007, 85, 306-309.	0.6	2
143	Effect of rapid solidification on the microstructure and corrosion behaviour of Al-Zn-Mg based material. Corrosion Science, 2007, 49, 276-286.	3.0	21
144	Aligned Heterostructures of Single-Crystalline Tin Nanowires Encapsulated in Amorphous Carbon Nanotubes. Journal of Physical Chemistry C, 2007, 111, 9130-9135.	1.5	55

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145	Precipitation in an AA6111 aluminium alloy and cosmetic corrosion. <i>Acta Materialia</i> , 2007, 55, 353-360.	3.8	71
146	Corrosion behaviour of friction stir welded AA7108 T79 aluminium alloy. <i>Corrosion Science</i> , 2006, 48, 887-897.	3.0	118
147	Precipitation and Corrosion Behaviour of Nano-Structured Near-Surface Layers on an AA6111 Aluminium Alloy. <i>Journal of Physics: Conference Series</i> , 2006, 26, 103-106.	0.3	9
148	Study of ageing of adhesive bonds with various surface treatments: Part VI. Dicyandiamide-cured epoxy joints aged at 70°C in a water bath. <i>Journal of Adhesion Science and Technology</i> , 2006, 20, 1847-1872.	1.4	13
149	X-Ray Absorption Spectroscopy Study of the Incorporated Copper Species in Anodic Alumina Films Formed on an Al-2 wt % Cu Alloy. <i>Journal of the Electrochemical Society</i> , 2005, 152, B393.	1.3	13
150	Ageing of Adhesive Bonds with Various Surface Treatments, Part 1: Aluminium-Dicyandiamide Cured Epoxy Joints. <i>Journal of Adhesion</i> , 2005, 81, 1157-1181.	1.8	8
151	Ageing of Adhesive Bonds with Various Surface Treatments, Part 3: Aluminium-Dicyandiamide Cured Aluminium Filled Epoxy Joints. <i>Journal of Adhesion</i> , 2005, 81, 1199-1215.	1.8	8
152	The valence state of copper in anodic films formed on Al-1at.% Cu alloy. <i>Corrosion Science</i> , 2005, 47, 1299-1306.	3.0	28
153	The effect of surface pretreatment and moisture on the fatigue performance of adhesively-bonded aluminium. <i>Journal of Materials Processing Technology</i> , 2004, 153-154, 359-365.	3.1	34
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