

Yanwen Liu

List of Publications by Year in descending order

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40
papers

1,071
citations

331670

21
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414414

32
g-index

40
all docs

40
docs citations

40
times ranked

904
citing authors

#	ARTICLE	IF	CITATIONS
1	The degradation mechanism of a marine coating under service conditions of water ballast tank. Progress in Organic Coatings, 2022, 162, 106588.	3.9	4
2	Local oxidation of the buried epoxy-amine/iron oxide interphase. Progress in Organic Coatings, 2021, 160, 106516.	3.9	2
3	Examining the early stages of thermal oxidative degradation in epoxy-amine resins. Polymer Degradation and Stability, 2020, 176, 109147.	5.8	34
4	Leaching from coatings pigmented with strontium aluminium polyphosphate inhibitor pigment-evidence for a cluster-percolation model. Progress in Organic Coatings, 2019, 137, 105340.	3.9	7
5	Exploring Whether a Buried Nanoscale Interphase Exists within Epoxy-Amine Coatings: Implications for Adhesion, Fracture Toughness, and Corrosion Resistance. ACS Applied Nano Materials, 2019, 2, 2494-2502.	5.0	15
6	Multi-modal plasma focused ion beam serial section tomography of an organic paint coating. Ultramicroscopy, 2019, 197, 1-10.	1.9	10
7	Controlling the nanostructure of epoxy resins: Reaction selectivity and stoichiometry. Polymer, 2018, 143, 10-18.	3.8	25
8	An organic coating pigmented with strontium aluminium polyphosphate for corrosion protection of zinc alloy coated steel. Progress in Organic Coatings, 2017, 102, 29-36.	3.9	32
9	Molecularly controlled epoxy network nanostructures. Polymer, 2017, 108, 146-153.	3.8	30
10	An investigation of the corrosion inhibitive layers generated from lithium oxalate-containing organic coating on AA2024-T3 aluminium alloy. Surface and Interface Analysis, 2016, 48, 798-803.	1.8	23
11	Corrosion inhibition of pure aluminium and AA2014 alloy by strontium chromate at low concentration. Surface and Interface Analysis, 2016, 48, 804-808.	1.8	6
12	Protective Film Formation on AA2024-T3 Aluminum Alloy by Leaching of Lithium Carbonate from an Organic Coating. Journal of the Electrochemical Society, 2016, 163, C45-C53.	2.9	52
13	Insights into Epoxy Network Nanostructural Heterogeneity Using AFM-IR. ACS Applied Materials & Interfaces, 2016, 8, 959-966.	8.0	100
14	The corrosion protection of AA2024-T3 aluminium alloy by leaching of lithium-containing salts from organic coatings. Faraday Discussions, 2015, 180, 511-526.	3.2	81
15	Crystallisation and performance characteristics of high-temperature annealed electroless Ni-W-P coatings. Crystal Research and Technology, 2014, 49, 178-189.	1.3	14
16	Comparison of the behaviours of chromate and sol-gel coatings on aluminium. Surface and Interface Analysis, 2013, 45, 1446-1451.	1.8	10
17	Visualisation of conductive filler distributions in polymer composites using voltage and energy contrast imaging in SEM. Polymer, 2013, 54, 330-340.	3.8	6
18	Influence of surface pretreatments on the corrosion protection of sol-gel coated AA2024-T3 aluminium alloy. Surface and Interface Analysis, 2013, 45, 1452-1456.	1.8	21

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19	Influence of near-surface deformed layers on filiform corrosion of AA3104 aluminium alloy. <i>Surface and Interface Analysis</i> , 2013, 45, 1553-1557.	1.8	27
20	Sol-gel coatings for corrosion protection of 1050 aluminium alloy. <i>Electrochimica Acta</i> , 2010, 55, 3518-3527.	5.2	33
21	Influence of nitric acid pre-treatment on Al-Cu alloys. <i>Electrochimica Acta</i> , 2008, 53, 4454-4460.	5.2	12
22	Influence of pre-treatments in cerium conversion treatment of AA2024-T3 and 7075-T6 alloys. <i>Surface and Coatings Technology</i> , 2008, 202, 3797-3807.	4.8	50
23	Influences of ion migration and electric field on the layered anodic films on Al-Mg alloys. <i>Corrosion Science</i> , 2008, 50, 1391-1396.	6.6	13
24	Behaviour of copper during alkaline corrosion of Al-Cu alloys. <i>Corrosion Science</i> , 2008, 50, 1475-1480.	6.6	30
25	Precipitation in an AA6111 aluminium alloy and cosmetic corrosion. <i>Acta Materialia</i> , 2007, 55, 353-360.	7.9	71
26	Anodic oxidation of InAlAs. <i>Corrosion Science</i> , 2006, 48, 126-136.	6.6	4
27	Anodic behaviour of a model second phase: Al ₂₀ at.%Mg ₂₀ at.%Cu. <i>Corrosion Science</i> , 2006, 48, 1225-1248.	6.6	35
28	Generation of copper nanoparticles during alkaline etching of an Al ₃₀ at.%Cu alloy. <i>Corrosion Science</i> , 2006, 48, 1874-1884.	6.6	13
29	Morphology, composition and structure of anodic films on binary Al-Cu alloys. , 2006, , 167-172.		2
30	Ageing effects in the growth of chromate conversion coatings on aluminium. <i>Corrosion Science</i> , 2005, 47, 145-150.	6.6	13
31	Chromate conversion coatings on aluminium-copper alloys. <i>Corrosion Science</i> , 2005, 47, 341-354.	6.6	27
32	Behaviour of zinc in electropolished and etched Al-Zn alloys and effect on corrosion potential. <i>Corrosion Science</i> , 2005, 47, 2321-2331.	6.6	3
33	Chemical environment of copper at the surface of a CuAl ₂ model alloy: XPS, MEIS and TEM analyses. <i>Surface and Interface Analysis</i> , 2004, 36, 339-346.	1.8	23
34	Anodic oxidation of Mg-Cu and Mg-Zn alloys. <i>Electrochimica Acta</i> , 2004, 49, 899-904.	5.2	48
35	Chromate conversion coatings on aluminium: influences of alloying. <i>Corrosion Science</i> , 2004, 46, 297-312.	6.6	22
36	Grain orientation effects on copper enrichment and oxygen generation during anodizing of an Al ₁ at.%Cu alloy. <i>Corrosion Science</i> , 2003, 45, 789-797.	6.6	43

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37	Enrichment factors for copper in aluminium alloys following chemical and electrochemical surface treatments. <i>Corrosion Science</i> , 2003, 45, 1539-1544.	6.6	45
38	Anodic film growth on an Al-21at.%Mg alloy. <i>Corrosion Science</i> , 2002, 44, 1133-1142.	6.6	46
39	Imaging XPS investigation of the lateral distribution of copper inclusions at the abraded surface of 2024T3 aluminium alloy and adsorption of decyl phosphonic acid. <i>Surface and Interface Analysis</i> , 2002, 33, 697-703.	1.8	31
40	Influence of surface treatment on detachment of anodic films from Al-Mg alloys. <i>Corrosion Science</i> , 2001, 43, 2349-2357.	6.6	8