

Herman Terry

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521
papers

12,070
citations

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552
ext. papers

13,918
ext. citations

4.2
avg, IF

6.53
L-index

#	Paper	IF	Citations
521	Dual-action smart coatings with a self-healing superhydrophobic surface and anti-corrosion properties. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 2355-2364	13	316
520	Corrosion behaviour of different tempers of AA7075 aluminium alloy. <i>Electrochimica Acta</i> , 2004 , 49, 2856-2862	2.22	222
519	Formation of a cerium-based conversion coating on AA2024: relationship with the microstructure. <i>Surface and Coatings Technology</i> , 2004 , 176, 365-381	4.4	218
518	Influence of the anodizing temperature on the porosity and the mechanical properties of the porous anodic oxide film. <i>Surface and Coatings Technology</i> , 2007 , 201, 7310-7317	4.4	158
517	Electrochemical characterisation of aluminium AA7075-T6 and solution heat treated AA7075 using a micro-capillary cell. <i>Electrochimica Acta</i> , 2003 , 48, 3239-3247	6.7	142
516	Interaction of anhydride and carboxylic acid compounds with aluminum oxide surfaces studied using infrared reflection absorption spectroscopy. <i>Langmuir</i> , 2004 , 20, 6308-17	4	141
515	Effect of bath concentration and curing time on the structure of non-functional thin organosilane layers on aluminium. <i>Electrochimica Acta</i> , 2003 , 48, 1245-1255	6.7	135
514	Effect of solution heat treatment on galvanic coupling between intermetallics and matrix in AA7075-T6. <i>Corrosion Science</i> , 2003 , 45, 1733-1746	6.8	126
513	AcidBase Characterization of Aluminum Oxide Surfaces with XPS. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 6017-6024	3.4	123
512	Correlation between hydroxyl fraction and O/Al atomic ratio as determined from XPS spectra of aluminium oxide layers. <i>Surface and Interface Analysis</i> , 2004 , 36, 81-88	1.5	122
511	A generalized electrochemical aggregative growth mechanism. <i>Journal of the American Chemical Society</i> , 2013 , 135, 11550-61	16.4	116
510	The role of crystal diversity in understanding mass transfer in nanoporous materials. <i>Nature Materials</i> , 2016 , 15, 401-6	27	111
509	XPS study of the atmospheric corrosion of copper alloys of archaeological interest. <i>Surface and Interface Analysis</i> , 2004 , 36, 876-879	1.5	108
508	Effect of inclusions modified by rare earth elements (Ce, La) on localized marine corrosion in Q460NH weathering steel. <i>Corrosion Science</i> , 2017 , 129, 82-90	6.8	104
507	Triple-Action Self-Healing Protective Coatings Based on Shape Memory Polymers Containing Dual-Function Microspheres. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 23369-23379	9.5	103
506	Influence of the Iron Oxide AcidBase Properties on the Chemisorption of Model Epoxy Compounds Studied by XPS. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 13177-13184	3.8	101
505	Comparison of the morphology and corrosion performance of Cr(VI)- and Cr(III)-based conversion coatings on zinc. <i>Surface and Coatings Technology</i> , 2005 , 199, 92-104	4.4	101

504	Colour properties of barrier anodic oxide films on aluminium and titanium studied with total reflectance and spectroscopic ellipsometry. <i>Surface and Coatings Technology</i> , 2004 , 185, 303-310	4.4	100
503	New Insights into the Early Stages of Nanoparticle Electrodeposition. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 2322-2329	3.8	97
502	SKPFM and SEM study of the deposition mechanism of Zr/Ti based pre-treatment on AA6016 aluminum alloy. <i>Surface and Coatings Technology</i> , 2007 , 201, 7668-7685	4.4	97
501	Influence of substrate microstructure on the growth of anodic oxide layers. <i>Electrochimica Acta</i> , 2004 , 49, 1127-1140	6.7	95
500	Electrochemical synthesis of thin HKUST-1 layers on copper mesh. <i>Microporous and Mesoporous Materials</i> , 2012 , 158, 209-213	5.3	89
499	A shape-recovery polymer coating for the corrosion protection of metallic surfaces. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 175-83	9.5	88
498	Inhibitor-loaded conducting polymer capsules for active corrosion protection of coating defects. <i>Corrosion Science</i> , 2016 , 112, 138-149	6.8	86
497	A transmission electron microscopy study of hard anodic oxide layers on AlSi(Cu) alloys. <i>Electrochimica Acta</i> , 2004 , 49, 3169-3177	6.7	85
496	Investigation of the barrier properties of silanes on cold rolled steel. <i>Electrochimica Acta</i> , 2004 , 49, 2997-3004	6.9	81
495	Determination of the thickness of thin silane films on aluminium surfaces by means of spectroscopic ellipsometry. <i>Thin Solid Films</i> , 2001 , 384, 37-45	2.2	81
494	Study of the self-assembling of n-octylphosphonic acid layers on aluminum oxide. <i>Langmuir</i> , 2008 , 24, 13450-6	4	78
493	SECM study of defect repair in self-healing polymer coatings on metals. <i>Electrochemistry Communications</i> , 2011 , 13, 169-173	5.1	75
492	Characterization of chromate conversion coatings on zinc using XPS and SKPFM. <i>Surface and Coatings Technology</i> , 2005 , 197, 168-176	4.4	75
491	Improving the adhesion between epoxy coatings and aluminium substrates. <i>Progress in Organic Coatings</i> , 2004 , 51, 339-350	4.8	74
490	Silane coating of metal substrates: Complementary use of electrochemical, optical and thermal analysis for the evaluation of film properties. <i>Progress in Organic Coatings</i> , 2007 , 59, 224-229	4.8	73
489	Role of Al ₂ O ₃ inclusions on the localized corrosion of Q460NH weathering steel in marine environment. <i>Corrosion Science</i> , 2018 , 138, 96-104	6.8	72
488	Scanning electrochemical microscopy to study the effect of crystallographic orientation on the electrochemical activity of pure copper. <i>Electrochimica Acta</i> , 2014 , 116, 89-96	6.7	67
487	Interaction of ester functional groups with aluminum oxide surfaces studied using infrared reflection absorption spectroscopy. <i>Langmuir</i> , 2004 , 20, 6318-26	4	66

486	pH responsive Ce(III) loaded polyaniline nanofibers for self-healing corrosion protection of AA2024-T3. <i>Progress in Organic Coatings</i> , 2016 , 99, 197-209	4.8	65
485	Composition and thickness of non-functional organosilane films coated on aluminium studied by means of infra-red spectroscopic ellipsometry. <i>Thin Solid Films</i> , 2003 , 441, 76-84	2.2	65
484	Initiation and growth of modified Zr-based conversion coatings on multi-metal surfaces. <i>Surface and Coatings Technology</i> , 2013 , 236, 284-289	4.4	64
483	XPS investigations on cesium uranates: mixed valency behaviour of uranium. <i>Journal of Nuclear Materials</i> , 2000 , 277, 28-36	3.3	64
482	Electronic properties of thermally formed thin iron oxide films. <i>Electrochimica Acta</i> , 2007 , 52, 7617-7625	6.7	63
481	Ageing of aluminium oxide surfaces and their subsequent reactivity towards bonding with organic functional groups. <i>Applied Surface Science</i> , 2004 , 235, 465-474	3.8	63
480	A Close-up of the Effect of Iron Oxide Type on the Interfacial Interaction between Epoxy and Carbon Steel: Combined Molecular Dynamics Simulations and Quantum Mechanics. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 11014-11026	3.8	63
479	Stability, Assembly, and Particle/Solvent Interactions of Pd Nanoparticles Electrodeposited from a Deep Eutectic Solvent. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 14381-14389	3.8	61
478	Comprehensive Study of the Electrodeposition of Nickel Nanostructures from Deep Eutectic Solvents: Self-Limiting Growth by Electrolysis of Residual Water. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 9337-9347	3.8	60
477	Study of the effect of different aluminium surface pretreatments on the deposition of thin non-functional silane coatings. <i>Surface and Interface Analysis</i> , 2004 , 36, 681-684	1.5	60
476	Transversal Load Sensing With Fiber Bragg Gratings in Microstructured Optical Fibers. <i>IEEE Photonics Technology Letters</i> , 2009 , 21, 6-8	2.2	58
475	The corrosion protection of AA2024-T3 aluminium alloy by leaching of lithium-containing salts from organic coatings. <i>Faraday Discussions</i> , 2015 , 180, 511-26	3.6	57
474	The influence of pH on corrosion inhibitor selection for 2024-T3 aluminium alloy assessed by high-throughput multielectrode and potentiodynamic testing. <i>Electrochimica Acta</i> , 2010 , 55, 2457-2465	6.7	57
473	A comparison of the interfacial bonding properties of carboxylic acid functional groups on zinc and iron substrates. <i>Electrochimica Acta</i> , 2011 , 56, 1904-1911	6.7	56
472	Investigation of anodic aluminium oxide layers by electrochemical impedance spectroscopy. <i>Journal of Applied Electrochemistry</i> , 1990 , 20, 798-803	2.6	56
471	In situ electrochromic efficiency of a nickel oxide thin film: origin of electrochemical process and electrochromic degradation. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 646-653	7.1	55
470	A combined mechanical, microscopic and local electrochemical evaluation of self-healing properties of shape-memory polyurethane coatings. <i>Electrochimica Acta</i> , 2011 , 56, 9619-9626	6.7	55
469	Micro-Raman spectroscopy for the study of corrosion products on copper alloys: setting up of a reference database and studying works of art. <i>Journal of Raman Spectroscopy</i> , 2004 , 35, 732-738	2.3	55

468	Investigation of the self-healing properties of shape memory polyurethane coatings with the random phase multisine electrochemical impedance spectroscopy. <i>Electrochimica Acta</i> , 2010 , 55, 6195-6203	6.7	54
467	Corrosion protection properties and interfacial adhesion mechanism of an epoxy/polyamide coating applied on the steel surface decorated with cerium oxide nanofilm: Complementary experimental, molecular dynamics (MD) and first principle quantum mechanics (QM) simulation methods. <i>Applied Surface Science</i> , 2017 , 419, 658-669	6.7	53
466	Chromate Conversion Coating on Aluminum Alloys. <i>Journal of the Electrochemical Society</i> , 2004 , 151, B59	3.9	53
465	Tunable nanoporous silicon oxide templates by swift heavy ion tracks technology. <i>Nanotechnology</i> , 2016 , 27, 115305	3.4	52
464	The Role of Nanocluster Aggregation, Coalescence, and Recrystallization in the Electrochemical Deposition of Platinum Nanostructures. <i>Chemistry of Materials</i> , 2014 , 26, 2396-2406	9.6	52
463	Cut-edge corrosion study on painted aluminum rich metallic coated steel by scanning vibrating electrode and micro-potentiometric techniques. <i>Electrochimica Acta</i> , 2012 , 61, 107-117	6.7	52
462	Study of initiation and development of local burning phenomena during anodizing of aluminium under controlled convection. <i>Electrochimica Acta</i> , 2008 , 54, 270-279	6.7	52
461	IRSE study on effect of thermal curing on the chemistry and thickness of organosilane films coated on aluminium. <i>Applied Surface Science</i> , 2003 , 211, 259-269	6.7	52
460	Study of the Composition of Zirconium based Chromium free Conversion Layers on Aluminium. <i>Transactions of the Institute of Metal Finishing</i> , 1995 , 73, 91-95	1.3	52
459	Inhibitor evaluation in different simulated concrete pore solution for the protection of steel rebars. <i>Construction and Building Materials</i> , 2016 , 124, 887-896	6.7	52
458	Self-healing property characterization of reversible thermoset coatings. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011 , 105, 805-809	4.1	51
457	Electrodeposition of Ag nanoparticles onto carbon coated TEM grids: A direct approach to study early stages of nucleation. <i>Electrochemistry Communications</i> , 2010 , 12, 1706-1709	5.1	51
456	Detailed characterisation of the flow resistance of commercial sub-2 micrometer reversed-phase columns. <i>Journal of Chromatography A</i> , 2008 , 1178, 108-17	4.5	51
455	Shape memory composite (SMC) self-healing coatings for corrosion protection. <i>Progress in Organic Coatings</i> , 2016 , 97, 261-268	4.8	51
454	TFAA chemical derivatization and XPS. Analysis of OH and NHx polymers. <i>Surface and Interface Analysis</i> , 2009 , 41, 421-429	1.5	50
453	Micro Raman spectroscopy used for the study of corrosion products on copper alloys: study of the chemical composition of artificial patinas used for restoration purposes. <i>Analyst, The</i> , 2005 , 130, 550-6	5	50
452	Characterisation of conversion layers on aluminium by means of electrochemical impedance spectroscopy. <i>Electrochimica Acta</i> , 1995 , 40, 479-486	6.7	49
451	On the importance of irreversibility of corrosion inhibitors for active coating protection of AA2024-T3. <i>Corrosion Science</i> , 2018 , 140, 272-285	6.8	49

450	Cathodic delamination of polyurethane films on oxide covered steel [Combined adhesion and interface electrochemical studies. <i>Corrosion Science</i> , 2009 , 51, 1664-1670	6.8	47
449	Characterization of thin water-based silane pre-treatments on aluminium with the incorporation of nano-dispersed CeO ₂ particles. <i>Surface and Coatings Technology</i> , 2010 , 205, 603-613	4.4	46
448	Unravelling the Chemical Influence of Water on the PMMA/Aluminum Oxide Hybrid Interface In Situ. <i>Scientific Reports</i> , 2017 , 7, 13341	4.9	45
447	Late antique glass distribution and consumption in Cyprus: a chemical study. <i>Journal of Archaeological Science</i> , 2015 , 61, 213-222	2.9	45
446	Effect of neighboring grains on the microscopic corrosion behavior of a grain in polycrystalline copper. <i>Corrosion Science</i> , 2013 , 67, 179-183	6.8	45
445	Influence of Local Heat Development on Film Thickness for Anodizing Aluminum in Sulfuric Acid. <i>Journal of the Electrochemical Society</i> , 2003 , 150, B158	3.9	45
444	Texture comparison between room temperature rolled and cryogenically rolled pure copper. <i>Acta Materialia</i> , 2015 , 95, 224-235	8.4	43
443	Effects of Zinc Surface Acid-Based Properties on Formation Mechanisms and Interfacial Bonding Properties of Zirconium-Based Conversion Layers. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 8426-8436	3.8	43
442	Dual-action self-healing protective coatings with photothermal responsive corrosion inhibitor nanocontainers. <i>Chemical Engineering Journal</i> , 2021 , 404, 127118	14.7	43
441	Optical properties of thin iron oxide films on steel. <i>Surface and Interface Analysis</i> , 2006 , 38, 489-493	1.5	42
440	Water Adsorption and Dissociation on Polycrystalline Copper Oxides: Effects of Environmental Contamination and Experimental Protocol. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 1000-1008	3.4	42
439	On controlling the anodic electrochemical film deposition of HKUST-1 metalorganic frameworks. <i>Microporous and Mesoporous Materials</i> , 2016 , 224, 302-310	5.3	41
438	The influence of copper content on intergranular corrosion of model AlMgSi(Cu) alloys. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2008 , 59, 670-675	1.6	41
437	Comparison between the influence of applied electrode and electrolyte temperatures on porous anodizing of aluminium. <i>Electrochimica Acta</i> , 2010 , 55, 3957-3965	6.7	40
436	Influence of surface hydroxyls on the formation of Zr-based conversion coatings on AA6014 aluminum alloy. <i>Surface and Coatings Technology</i> , 2014 , 254, 277-283	4.4	39
435	Fabrication and chromatographic performance of porous-shell pillar-array columns. <i>Analytical Chemistry</i> , 2010 , 82, 7208-17	7.8	39
434	Lithium salts as leachable corrosion inhibitors and potential replacement for hexavalent chromium in organic coatings for the protection of aluminum alloys 2016 , 13, 557-566		39
433	A closer look at constituent induced localised corrosion in Al-Cu-Mg alloys. <i>Corrosion Science</i> , 2016 , 113, 160-171	6.8	38

432	Double perovskite Sr(2)FeMoO(6) films prepared by electrophoretic deposition. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 19201-6	9.5	38
431	XPS Analysis of the Surface Chemistry and Interfacial Bonding of Barrier-Type Cr(VI)-Free Anodic Oxides. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 19967-19975	3.8	37
430	Zirconium-based conversion film formation on zinc, aluminium and magnesium oxides and their interactions with functionalized molecules. <i>Applied Surface Science</i> , 2017 , 423, 817-828	6.7	37
429	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	3.9	36
428	Scanning Kelvin Probe Study of (Oxyhydr)oxide Surface of Aluminum Alloy. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 1805-1811	3.8	36
427	Kinetic plot and particle size distribution analysis to discuss the performance limits of sub-2 microm and supra-2 microm particle columns. <i>Journal of Chromatography A</i> , 2008 , 1204, 1-10	4.5	36
426	Use of optical methods to characterize thin silane films coated on aluminium. <i>Surface and Interface Analysis</i> , 2002 , 34, 25-29	1.5	36
425	An integrated modeling approach for atmospheric corrosion in presence of a varying electrolyte film. <i>Electrochimica Acta</i> , 2016 , 187, 714-723	6.7	35
424	Odd random phase multisine EIS for organic coating analysis. <i>Progress in Organic Coatings</i> , 2010 , 69, 215-238	4.8	35
423	Development of an optical model for steady state porous anodic films on aluminium formed in phosphoric acid. <i>Thin Solid Films</i> , 1998 , 320, 241-252	2.2	35
422	Electrodeposition of ZnCo and ZnCoFe alloys from acidic chloride electrolytes. <i>Surface and Coatings Technology</i> , 2007 , 202, 84-90	4.4	35
421	Influence of the surface pre-treatment prior to the film synthesis, on the corrosion protection of iron with polypyrrole films. <i>Electrochimica Acta</i> , 2006 , 51, 1695-1703	6.7	35
420	A Green, Simple Chemical Route for the Synthesis of Pure Nanocalcite Crystals. <i>Crystal Growth and Design</i> , 2015 , 15, 573-580	3.5	34
419	Chromate Conversion Coating on Aluminum Alloys. <i>Journal of the Electrochemical Society</i> , 2004 , 151, B370	3.9	34
418	Characterization of various aluminium oxide layers by means of spectroscopic ellipsometry. <i>Applied Physics A: Solids and Surfaces</i> , 1992 , 54, 72-78		34
417	The influence of a Zr-based conversion treatment on interfacial bonding strength and stability of epoxy coated carbon steel. <i>Progress in Organic Coatings</i> , 2017 , 105, 29-36	4.8	33
416	Electrochemical Evaluation of Corrosion Inhibiting Layers Formed in a Defect from Lithium-Leaching Organic Coatings. <i>Journal of the Electrochemical Society</i> , 2017 , 164, C396-C406	3.9	33
415	Towards Cr(VI)-free anodization of aluminum alloys for aerospace adhesive bonding applications: A review. <i>Frontiers of Chemical Science and Engineering</i> , 2017 , 11, 465-482	4.5	33

414	Effect of Anodic Aluminum Oxide Chemistry on Adhesive Bonding of Epoxy. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 19670-19677	3.8	33
413	The kinetic analysis of isothermal curing reaction of an epoxy resin-glassflake nanocomposite. <i>Thermochemica Acta</i> , 2012 , 549, 81-86	2.9	33
412	The formation and characterisation of ultra-thin films containing Ag nanoparticles. <i>Journal of Materials Chemistry</i> , 2008 , 18, 199-206		33
411	Scanning Kelvin probe force microscopy as a means of predicting the electrochemical characteristics of the surface of a modified AA4xxx/AA3xxx (Al alloys) brazing sheet. <i>Electrochimica Acta</i> , 2013 , 88, 330-339	6.7	32
410	Using Raman spectroscopy as a tool for the detection of iron in glass. <i>Journal of Raman Spectroscopy</i> , 2011 , 42, 1789-1795	2.3	32
409	Cathodic inhibition and anomalous electrodeposition of Zn ₁₀ Co alloys. <i>Electrochimica Acta</i> , 2007 , 52, 5444-5452	6.7	32
408	Quantitative chemical composition of thin films with infrared spectroscopic ellipsometry: application to hydrated oxide films on aluminium. <i>Surface and Interface Analysis</i> , 2003 , 35, 387-394	1.5	32
407	Atmospheric corrosion modeling. <i>Corrosion Reviews</i> , 2014 , 32, 73-100	3.2	31
406	Role of Surface Oxide Properties on the Aluminum/Epoxy Interfacial Bonding. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 4480-4487	3.8	31
405	The electrograining of aluminium in hydrochloric acid ^{II} . Formation of ETCH products. <i>Corrosion Science</i> , 1991 , 32, 1173-1188	6.8	31
404	Atomistic Insight into the Electrochemical Double Layer of Choline Chloride-Urea Deep Eutectic Solvents: Clustered Interfacial Structuring. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 6296-6304	6.4	31
403	Growth mechanisms of spatially separated copper dendrites in pores of a SiO ₂ template. <i>Philosophical Magazine</i> , 2017 , 97, 2268-2283	1.6	30
402	Iron speciation in soda-lime-silica glass: a comparison of XANES and UV-vis-NIR spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2015 , 30, 1552-1561	3.7	30
401	Mechanism of corrosion protection of hot-dip aluminium-silicon coatings on steel studied by electrochemical depth profiling. <i>Corrosion Science</i> , 2013 , 76, 325-336	6.8	30
400	Molecular Interactions of Electroadsorbed Carboxylic Acid and Succinic Anhydride Monomers on Zinc Surfaces. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 17054-17067	3.8	30
399	Silane solution stability and film morphology of water-based bis-1,2-(triethoxysilyl)ethane for thin-film deposition on aluminium. <i>Progress in Organic Coatings</i> , 2008 , 63, 38-42	4.8	30
398	The effect of surface pre-conditioning treatments on the local composition of Zr-based conversion coatings formed on aluminium alloys. <i>Applied Surface Science</i> , 2016 , 366, 339-347	6.7	29
397	Synthesis and texturization processes of (super)-hydrophobic fluorinated surfaces by atmospheric plasma. <i>Journal of Materials Research</i> , 2015 , 30, 3177-3191	2.5	29

396	Control Over the Pressure Sensitivity of Bragg Grating-Based Sensors in Highly Birefringent Microstructured Optical Fibers. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 527-529	2.2	29
395	Quasi in situ analytical TEM to investigate electrochemically induced microstructural changes in alloys: AA2024-T3 as an example. <i>Corrosion Science</i> , 2013 , 69, 221-225	6.8	29
394	Study of copper nitrate-based patinas. <i>Journal of Raman Spectroscopy</i> , 2006 , 37, 1211-1220	2.3	29
393	The electrograining of aluminium in hydrochloric acid – Morphological appearance. <i>Corrosion Science</i> , 1991 , 32, 1159-1172	6.8	29
392	Effect of surface roughness and chemistry on the adhesion and durability of a steel-epoxy adhesive interface. <i>International Journal of Adhesion and Adhesives</i> , 2020 , 96, 102450	3.4	29
391	Durable lubricant-infused anodic aluminum oxide surfaces with high-aspect-ratio nanochannels. <i>Chemical Engineering Journal</i> , 2019 , 368, 138-147	14.7	28
390	Study of the formation of a protective layer in a defect from lithium-leaching organic coatings. <i>Progress in Organic Coatings</i> , 2016 , 99, 80-90	4.8	28
389	In Situ Study of Buried Metal/Polymer Interfaces Exposed to an Aqueous Solution by an Integrated ATR-FTIR and Electrochemical Impedance Spectroscopy System. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 20826-20832	3.8	28
388	Nanostructured porous polymer monolithic columns for capillary liquid chromatography of peptides. <i>Journal of Chromatography A</i> , 2014 , 1374, 171-179	4.5	28
387	Bragg Grating Inscription in GeO ₂ -Doped Microstructured Optical Fibers. <i>Journal of Lightwave Technology</i> , 2010 , 28, 1459-1467	4	28
386	Comparison between wet deposition and plasma deposition of silane coatings on aluminium. <i>Progress in Organic Coatings</i> , 2010 , 69, 126-132	4.8	28
385	Chromate Conversion Coating on Aluminum Alloys. <i>Journal of the Electrochemical Society</i> , 2004 , 151, B359	3.9	28
384	AC electrograining of aluminium. <i>Transactions of the Institute of Metal Finishing</i> , 1988 , 66, 116-121	1.3	28
383	Geometry influence on corrosion in dynamic thin film electrolytes. <i>Electrochimica Acta</i> , 2016 , 209, 149-158	3.7	28
382	Probing the formation and degradation of chemical interactions from model molecule/metal oxide to buried polymer/metal oxide interfaces. <i>Npj Materials Degradation</i> , 2019 , 3,	5.7	27
381	Dealloying-driven local corrosion by intermetallic constituent particles and dispersoids in aerospace aluminium alloys. <i>Corrosion Science</i> , 2020 , 177, 108947	6.8	27
380	Towards understanding and prediction of atmospheric corrosion of an Fe/Cu corrosion sensor via machine learning. <i>Corrosion Science</i> , 2020 , 170, 108697	6.8	27
379	In Situ Scanning Tunneling Microscopy Study of Grain-Dependent Corrosion on Microcrystalline Copper. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 25421-25428	3.8	27

378	Ni-rich spinels and platinum group element nuggets condensed from a Late Archaean impact vapour cloud. <i>Earth and Planetary Science Letters</i> , 2013 , 376, 87-98	5.3	27
377	The effect of brazing process on microstructure evolution and corrosion performance of a modified AA4XXX/AA3XXX brazing sheet. <i>Corrosion Science</i> , 2012 , 58, 242-250	6.8	27
376	Towards the understanding of plasma polymer film behaviour in ethanol: A multi-technique investigation. <i>Progress in Organic Coatings</i> , 2011 , 70, 134-141	4.8	27
375	Effect of the presence of an ordered micro-pillar array on the formation of silica monoliths. <i>Journal of Chromatography A</i> , 2009 , 1216, 7360-7	4.5	27
374	Electrochemical investigation of rolled-in subsurface layers in commercially pure aluminium alloys with the micro-capillary cell technique. <i>Surface and Coatings Technology</i> , 2007 , 201, 4553-4560	4.4	27
373	Use of spectroscopic ellipsometry to study Zr/Ti films on Al. <i>Surface and Interface Analysis</i> , 2002 , 34, 677-680	4.4	27
372	Highly Robust MOF Polymeric Beads with a Controllable Size for Molecular Separations. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 13694-13703	9.5	26
371	An in situ study of zirconium-based conversion treatment on zinc surfaces. <i>Applied Surface Science</i> , 2015 , 356, 837-843	6.7	26
370	A Review on Adhesively Bonded Aluminium Joints in the Automotive Industry. <i>Metals</i> , 2020 , 10, 730	2.3	26
369	Influence of water content and applied potential on the electrodeposition of Ni coatings from deep eutectic solvents. <i>Electrochimica Acta</i> , 2019 , 319, 690-704	6.7	26
368	Evaluation of curing kinetic parameters of an epoxy/polyaminoamide/nano-glassflake system by non-isothermal differential scanning calorimetry. <i>Thermochimica Acta</i> , 2012 , 533, 10-15	2.9	26
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