I S Cole

List of Publications by Year
in descending order

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		87723	88477
159	5,717	38	70
papers	citations	h-index	g-index

162	162	162	7142
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Predictions of in-situ melt pool geometric signatures via machine learning techniques for laser metal deposition. International Journal of Computer Integrated Manufacturing, 2023, 36, 1345-1361.	2.9	4
2	Combined influence of Ce(III) and iodide ions for corrosion protection of AA 2024-T3 in acidic to neutral chloride-rich environments: Electrochemical and surface characterization studies. Journal of Rare Earths, 2023, 41, 309-320.	2.5	8
3	A spatiotemporally resolved infection risk model for airborne transmission of COVID-19 variants in indoor spaces. Science of the Total Environment, 2022, 812, 152592.	3.9	29
4	Permanganate, Molybdate and Vanadate Conversion Coatings. , 2022, , 113-131.		1
5	Direct writing of divacancy centers in silicon carbide by femtosecond laser irradiation and subsequent thermal annealing. Applied Physics Letters, 2022, 120, .	1.5	12
6	Carbon Dot Therapeutic Platforms: Administration, Distribution, Metabolism, Excretion, Toxicity, and Therapeutic Potential. Small, 2022, 18, e2106342.	5.2	75
7	Quorum sensing inhibitors applications: A new prospect for mitigation of microbiologically influenced corrosion. Bioelectrochemistry, 2022, 145, 108050.	2.4	27
8	Influence of Gas Temperature and Heat Treatment on Microstructure and Properties of Cold Sprayed Commercially Pure Titanium. Journal of Materials Engineering and Performance, 2022, 31, 5549-5558.	1.2	2
9	Hazard profiling of a combinatorial library of zinc oxide nanoparticles: Ameliorating light and dark toxicity through surface passivation. Journal of Hazardous Materials, 2022, 434, 128825.	6.5	11
10	In-depth insights of inhibitory behaviour of 2-amino-4-methylthiazole towards galvanised steel in neutral NaCl solution. Corrosion Science, 2022, 199, 110206.	3.0	14
11	Theory of impedance for initial corrosion of metals under a thin electrolyte layer: a coupled charge transfer-diffusion model. Journal of Chemical Sciences, 2022, 134, .	0.7	3
12	A Review on the Catalytic Remediation of Dyes by Tailored Carbon Dots. Water (Switzerland), 2022, 14, 1456.	1.2	4
13	Galliumâ€"Strontium Phosphate Conversion Coatings for Promoting Infection Prevention and Biocompatibility of Magnesium for Orthopedic Applications. ACS Biomaterials Science and Engineering, 2022, 8, 2709-2723.	2.6	3
14	Development of SiO2-coumarin fluorescent nanohybrid and its application for Cu(II) sensing in aqueous extracts of roadside soil. Journal of Nanoparticle Research, 2022, 24, .	0.8	0
15	Remediation of groundwater contaminated with dye using carbon dots technology: Ecotoxicological and microbial community responses. Journal of Environmental Management, 2022, 319, 115634.	3.8	5
16	Laser Beamâ€Induced Transient Acoustic Waves in Graphene Oxides. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2000541.	0.8	0
17	Facile synthesis of Tb-decorated graphene oxide: electrochemical stability, hydrogen storage, and corrosion inhibition of Mg AZ13 alloy in 3.5% NaCl medium. RSC Advances, 2021, 11, 662-670.	1.7	1
18	Experimental and DFT studies of gadolinium decorated graphene oxide materials for their redox properties and as a corrosion inhibition barrier layer on Mg AZ13 alloy in a 3.5% NaCl environment. RSC Advances, 2021, 11, 22095-22105.	1.7	6

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19	Effect of inhalation on oropharynx collapse via flow visualisation. Journal of Biomechanics, 2021, 118, 110200.	0.9	3
20	Hybrid additive manufacturing of biocompatible Tiâ€“Ta composite structures for biomedical applications. Journal of Materials Research, 2021, 36, 3679.	1.2	10
21	Fluorescent Magnesium Hydroxide Nanosheet Bandages with Tailored Properties for Biocompatible Antimicrobial Wound Dressings and pH Monitoring. ACS Applied Materials & Interfaces, 2021, 13, 27904-27919.	4.0	32
22	An Al-Cu Multielectrode Model for Studying Corrosion Inhibition with Praseodymium Mercaptoacetate at Intermetallic Particles in AA2024. Journal of the Electrochemical Society, 2021, 168, 071501.	1.3	3
23	Long term durability studies on the corrosion inhibition effect of 2-mercaptobenzimidazole (C3H4N2S) on AA6022: Mechanism of film formation and influence of IMPs. Surfaces and Interfaces, 2021, 25, 101164.	1.5	1
24	In Vitro Biocompatibility of Surface Corrosion Films upon Magnesium. Corrosion, 2021, 77, 218-227.	0.5	1
25	Catalytic degradation of methylene blue using iron and nitrogen-containing carbon dots as Fenton-like catalysts. New Journal of Chemistry, 2021, 46, 263-275.	1.4	18
26	Interfacial separation of concentrated dye mixtures from solution with environmentally compatible nitrogenous-silane nanoparticles modified with Helianthus annuus husk extract. Journal of Colloid and Interface Science, 2020, 560, 825-837.	5.0	6
27	Nondestructive quantitative characterisation of material phases in metal additive manufacturing using multi-energy synchrotron X-rays microtomography. International Journal of Advanced Manufacturing Technology, 2020, 106, 1601-1615.	1.5	9
28	Incorporation of quantum carbon dots into a PVP/ZnO hydrogel for use as an effective hexavalent chromium sensing platform. Analytica Chimica Acta, 2020, 1099, 126-135.	2.6	26
29	Synergistic Coating Strategy Combining Photodynamic Therapy and Fluoride-Free Superhydrophobicity for Eradicating Bacterial Adhesion and Reinforcing Corrosion Protection. ACS Applied Materials & Interfaces, 2020, 12, 46862-46873.	4.0	27
30	Green synthesis ofOpuntia-derived carbon nanodots for the catalytic decolourization of cationic dyes. New Journal of Chemistry, 2020, 44, 20001-20012.	1.4	9
31	Quantum dot (QD)-based probes for multiplexed determination of heavy metal ions. Mikrochimica Acta, 2020, 187, 336.	2.5	50
32	Experimental and computational studies of graphene oxide covalently functionalized by octylamine: electrochemical stability, hydrogen evolution, and corrosion inhibition of the AZ13 Mg alloy in 3.5% NaCl. RSC Advances, 2020, 10, 11426-11434.	1.7	42
33	Experimental and DFT studies of porous carbon covalently functionalized by polyaniline as a corrosion inhibition barrier on nickel-based alloys in acidic media. RSC Advances, 2020, 10, 12151-12165.	1.7	8
34	Experimental and DFT studies on the ultrasonic energy-assisted extraction of the phytochemicals of Catharanthus roseus as green corrosion inhibitors for mild steel in NaCl medium. RSC Advances, 2020, 10, 5399-5411.	1.7	31
35	A pilot study on carbon quantum dots for bioimaging of muscle myoblasts. , 2020, , .		2
36	Microbiologically influenced corrosion: a review of the studies conducted on buried pipelines. Corrosion Reviews, 2020, 38, 231-262.	1.0	18

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37	Improving in vitro and in vivo antibacterial functionality of Mg alloys through micro-alloying with Sr and Ga. Materials Science and Engineering C, 2019, 104, 109926.	3.8	42
38	The Design and Synthesis of Fluorescent Coumarin Derivatives and Their Study for Cu2+ Sensing with an Application for Aqueous Soil Extracts. Molecules, 2019, 24, 3569.	1.7	8
39	Evaluation of novel Griess-reagent candidates for nitrite sensing in aqueous media identified via molecular fingerprint searching. RSC Advances, 2019, 9, 3994-4000.	1.7	11
40	A review of nucleate boiling on nanoengineered surfaces â€“ The nanostructures, phenomena and mechanisms. International Journal of Heat and Mass Transfer, 2019, 141, 20-33.	2.5	51
41	3D-QSAR for binding constants of Î²-cyclodextrin host-guest complexes by utilising spectrophores as molecular descriptors. Chemosphere, 2019, 225, 135-138.	4.2	12
42	Interfacial study of the formation mechanism of corrosion resistant strontium phosphate coatings upon Mg-3Al-4.3Ca-0.1Mn. Corrosion Science, 2019, 151, 143-153.	3.0	40
43	Photoluminescence measurements of carbon quantum dots within three-dimensional hydrogel matrices using a high throughput 96 well plate method. MethodsX, 2019, 6, 437-441.	0.7	2
44	Neodymium-decorated graphene oxide as a corrosion barrier layer on Ti6Al4V alloy in acidic medium. RSC Advances, 2019, 9, 8537-8545.	1.7	13
45	Experimental and computational studies of a graphene oxide barrier layer covalently functionalized with amino acids on Mg AZ13 alloy in salt medium. RSC Advances, 2019, 9, 32441-32447.	1.7	22
46	Experimental and DFT studies of carbon nanotubes covalently functionalized with an imidazole derivative for electrochemical stability and green corrosion inhibition as a barrier layer on the nickel alloy surface in a sulphuric acidic medium. RSC Advances, 2019, 9, 38677-38686.	1.7	7
47	Tuning the sub-processes in laser reduction of graphene oxide by adjusting the power and scanning speed of laser. Carbon, 2019, 141, 83-91.	5.4	68
48	Recent advances in biodegradation controls over Mg alloys for bone fracture management: A review. Journal of Materials Science and Technology, 2019, 35, 535-544.	5.6	171
49	Laserâ€Reduced Graphene: Synthesis, Properties, and Applications. Advanced Materials Technologies, 2018, 3, 1700315.	3.0	116
50	Evolution of 2D tin oxides on the surface of molten tin. Chemical Communications, 2018, 54, 2102-2105.	2.2	27
51	Praseodymium-decorated graphene oxide as a corrosion inhibitor in acidic media for the magnesium AZ31 alloy. RSC Advances, 2018, 8, 34275-34286.	1.7	23
52	Controllable Synthesis of Carbon Dots with Excitationâ€Wavelengthâ€Dependent or Independent Photoluminescence for the Selective and Sensitive Detection of Co²⁺ Ions. ChemistrySelect, 2018, 3, 11791-11799.	0.7	9
53	Laser exposure induced alteration of WS ₂ monolayers in the presence of ambient moisture. 2D Materials, 2018, 5, 015013.	2.0	33
54	Synthesis of copper-tin nanoparticles from old computer printed circuit boards. Journal of Cleaner Production, 2017, 142, 2586-2592.	4.6	65

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55	Patterned films from exfoliated two-dimensional transition metal dichalcogenides assembled at a liquidâ€“liquid interface. Journal of Materials Chemistry C, 2017, 5, 6937-6944.	2.7	12
56	Effect of Pseudomonas fluorescens on Buried Steel Pipeline Corrosion. Environmental Science & Technology, 2017, 51, 8501-8509.	4.6	9
57	Selective thermal transformation of old computer printed circuit boards to Cu-Sn based alloy. Journal of Environmental Management, 2017, 199, 7-12.	3.8	23
58	Sandwich-structured TiO₂ inverse opal circulates slow photons for tremendous improvement in solar energy conversion efficiency. Journal of Materials Chemistry A, 2017, 5, 12803-12810.	5.2	39
59	Corrosion inhibition on mild steel by phosphonium salts in 1 M HNO3 aqueous medium. Surfaces and Interfaces, 2017, 6, 237-246.	1.5	18
60	Critical review on the passive film formation and breakdown on iron electrode and the models for the mechanisms underlying passivity. Journal of Electroanalytical Chemistry, 2017, 785, 196-215.	1.9	40
61	A microclimate model to simulate neutral salt spray testing for corrosion inhibitor evaluation and functional coating development. Progress in Organic Coatings, 2017, 111, 327-335.	1.9	10
62	Picomolar reversible Hg(II) solid-state sensor based on carbon dots in double heterostructure colloidal photonic crystals. Sensors and Actuators B: Chemical, 2017, 240, 204-211.	4.0	40
63	Recent Progress and Required Developments in Atmospheric Corrosion of Galvanised Steel and Zinc. Materials, 2017, 10, 1288.	1.3	26
64	Modeling corrosion inhibition efficacy of small organic molecules as non-toxic chromate alternatives using comparative molecular surface analysis (CoMSA). Chemosphere, 2016, 160, 80-88.	4.2	14
65	Exfoliation of Quasi-Stratified Bi₂S₃ Crystals into Micron-Scale Ultrathin Corrugated Nanosheets. Chemistry of Materials, 2016, 28, 8942-8950.	3.2	31
66	Enhanced quantum efficiency from a mosaic of two dimensional MoS₂formed onto aminosilane functionalised substrates. Nanoscale, 2016, 8, 12258-12266.	2.8	18
67	The Atmosphere Conditions and Surface Interactions. Springer Series in Materials Science, 2016, , 33-57.	0.4	0
68	The toxicity of graphene quantum dots. RSC Advances, 2016, 6, 89867-89878.	1.7	124
69	Correlation between molecular features and electrochemical properties using an artificial neural network. Materials and Design, 2016, 112, 410-418.	3.3	29
70	2D WS₂/carbon dot hybrids with enhanced photocatalytic activity. Journal of Materials Chemistry A, 2016, 4, 13563-13571.	5.2	119
71	Moisture Distribution in Porous Oxide and Polymer Over-Layers and Critical Relative Humidity and Time of Wetness for Chloride and Non-Chloride-Bearing Atmospheres for Atmospheric Corrosion of Metals. Journal of the Electrochemical Society, 2016, 163, C675-C685.	1.3	6
72	Quasi-Continuously Tuning the Size of Graphene Quantum Dots via an Edge-Etching Mechanism. MRS Advances, 2016, 1, 1459-1467.	0.5	2

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73	Quantum-confined bandgap narrowing of TiO₂ nanoparticles by graphene quantum dots for visible-light-driven applications. Chemical Communications, 2016, 52, 9208-9211.	2.2	64
74	The effect of peptide based nutrients on the corrosion of carbon steel in an agar based system. Corrosion Science, 2016, 110, 174-181.	3.0	7
75	The dual roles of functional groups in the photoluminescence of graphene quantum dots. Nanoscale, 2016, 8, 7449-7458.	2.8	125
76	Investigation of agar as a soil analogue for corrosion studies. Materials and Corrosion - Werkstoffe Und Korrosion, 2016, 67, 7-12.	0.8	14
77	Using high throughput experimental data and in silico models to discover alternatives to toxic chromate corrosion inhibitors. Corrosion Science, 2016, 106, 229-235.	3.0	101
78	The effect of fluorophore incorporation on fluorescence enhancement in colloidal photonic crystals. Physical Chemistry Chemical Physics, 2016, 18, 1743-1749.	1.3	23
79	Anomalous Fluorescence Enhancement from Double Heterostructure 3D Colloidal Photonic Crystalsâ€"A Multifunctional Fluorescence-Based Sensor Platform. Scientific Reports, 2015, 5, 14439.	1.6	35
80	Tunable Photoluminescence Across the Entire Visible Spectrum from Carbon Dots Excited by White Light. Angewandte Chemie, 2015, 127, 3013-3017.	1.6	29
81	Tunable Photoluminescence Across the Entire Visible Spectrum from Carbon Dots Excited by White Light. Angewandte Chemie - International Edition, 2015, 54, 2970-2974.	7.2	546
82	Coreâ€"shell quantum dots: Properties and applications. Journal of Alloys and Compounds, 2015, 636, 395-404.	2.8	266
83	Fluorescent heavy metal cation sensing with water dispersible 2MPA capped CdSe/ZnS quantum dots. Journal of Luminescence, 2015, 166, 88-92.	1.5	19
84	Tailoring the edges of graphene quantum dots to establish localized Ï€â€"Ï€ interactions with aromatic molecules. RSC Advances, 2015, 5, 41248-41254.	1.7	19
85	Two-step synthesis of luminescent MoS₂â€"ZnS hybrid quantum dots. Nanoscale, 2015, 7, 16763-16772.	2.8	54
86	Structural evolution of graphene quantum dots during thermal decomposition of citric acid and the corresponding photoluminescence. Carbon, 2015, 82, 304-313.	5.4	183
87	Carbon dots functionalized by organosilane with double-sided anchoring for nanomolar Hg2+ detection. Journal of Colloid and Interface Science, 2015, 437, 28-34.	5.0	67
88	Microstructure characterisation and reconstruction of intermetallic particles. Materials and Corrosion - Werkstoffe Und Korrosion, 2014, 65, 664-669.	0.8	5
89	Designing molecular protection: new paradigm for developing corrosion resistant materials uniting high throughput studies, multiscale modelling and self-repair. Corrosion Engineering Science and Technology, 2014, 49, 109-115.	0.7	18
90	Regulation of interfacial chemistry by coupled reactionâ€"diffusion processes in the electrolyte: A stiff solution dynamics model for corrosion and passivity of metals. Journal of Electroanalytical Chemistry, 2014, 722-723, 68-77.	1.9	3

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91	Metastable and stable pitting events at zinc passive layer in alkaline solutions. Ionics, 2014, 20, 127-136.	1.2	12
92	Molecular ionization and deprotonation energies as indicators of functional coating performance. Journal of Materials Chemistry A, 2014, 2, 16660-16668.	5.2	18
93	Revelation of Intertwining Organic and Inorganic Fractal Structures in Polymer Coatings. Advanced Materials, 2014, 26, 4504-4508.	11.1	37
94	Towards multiscale modelling of localised corrosion. International Materials Reviews, 2014, 59, 84-114.	9.4	33
95	Effect of climate change on corrosion rates of structures in Australia. Climatic Change, 2014, 124, 133-146.	1.7	10
96	Oxygen consumption upon electrochemically polarised zinc. Journal of Applied Electrochemistry, 2014, 44, 747-757.	1.5	19
97	Carbon dots as fluorescent probes for â€œoffâ€“onâ€•detection of Cu2+ and l-cysteine in aqueous solution. Biosensors and Bioelectronics, 2014, 51, 330-335.	5.3	278
98	Towards chromate-free corrosion inhibitors: structureâ€“property models for organic alternatives. Green Chemistry, 2014, 16, 3349-3357.	4.6	132
99	A model to estimate moisture distribution in porous oxides as a function of atmospheric conditions. Journal of Electroanalytical Chemistry, 2014, 725, 1-6.	1.9	5
100	Critical review: Microbially influenced corrosion of buried carbon steel pipes. International Biodeterioration and Biodegradation, 2014, 93, 84-106.	1.9	212
101	Mercuric Ion: Chemistry Aspect of Optical Detection and Sensing. , 2014, , 1-20.		0
102	A corrosion map of Abu Dhabi. Materials and Corrosion - Werkstoffe Und Korrosion, 2013, 64, 247-255.	0.8	9
103	Investigation of the microstructure of an aqueously corroded zinc wire by dataâ€constrained modelling with multiâ€energy Xâ€ray CT. Materials and Corrosion - Werkstoffe Und Korrosion, 2013, 64, 180-184.	0.8	15
104	Plasma forming multilayer ceramics for ultra-high temperature application. Vacuum, 2013, 88, 134-138.	1.6	9
105	Nano-scale reservoir computing. Nano Communication Networks, 2013, 4, 189-196.	1.6	13
106	Photoluminescence enhancement of carbon dots by gold nanoparticles conjugated via PAMAM dendrimers. Nanoscale, 2013, 5, 11200.	2.8	49
107	Compact Oxides Formed on Zinc during Exposure to a Single Sea-Water Droplet. Journal of the Electrochemical Society, 2013, 160, C59-C63.	1.3	30
108	Nano-scale reservoir computing. , 2013, , .		1

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109	Frequency and duration of wetness periods on surfaces in airframes. Corrosion Engineering Science and Technology, 2012, 47, 529-535.	0.7	5
110	FIB/SEM study of AA2024 corrosion under a seawater drop, part II. Corrosion Science, 2012, 55, 116-125.	3.0	34
111	Mnâ€“Mg based zinc phosphate and vanadate for corrosion inhibition of steel pipelines transport of CO2 rich fluids. International Journal of Greenhouse Gas Control, 2012, 7, 218-224.	2.3	13
112	Distributed quantum dot sensors for monitoring the integrity of protective aerospace coatings. , 2012, , .		6
113	Steel Corrosion Map of Vietnam. Corrosion Science and Technology, 2012, 11, 103-107.	0.2	8
114	Corrosion of pipelines used for CO2 transport in CCS: Is it a real problem?. International Journal of Greenhouse Gas Control, 2011, 5, 749-756.	2.3	148
115	FIB/SEM study of AA2024 corrosion under a seawater drop: Part I. Corrosion Science, 2011, 53, 1086-1096.	3.0	45
116	Predicting the service life of buildings and components. Proceedings of Institution of Civil Engineers: Construction Materials, 2011, 164, 305-314.	0.7	3
117	Corrosion under a porous layer: A porous electrode model and its implications for self-repair. Electrochimica Acta, 2011, 56, 8192-8203.	2.6	46
118	Towards the development of a corrosion map for Abu Dhabi. Materials and Corrosion - Werkstoffe Und Korrosion, 2011, 62, 1066-1073.	0.8	13
119	Model for corrosion of metals covered with thin electrolyte layers: Pseudo-steady state diffusion of oxygen. Electrochimica Acta, 2011, 56, 7171-7179.	2.6	53
120	Models for Corrosion of Metals under Thin Electrolyte Layers. ECS Transactions, 2011, 35, 1-10.	0.3	6
121	A High-Throughput Test Methodology for Atmospheric Corrosion Studies. Electrochemical and Solid-State Letters, 2011, 14, C9.	2.2	12
122	Possible effects of climate change on atmospheric corrosion in Australia. Corrosion Engineering Science and Technology, 2010, 45, 19-26.	0.7	13
123	Progress towards a Unified Model of Corrosion with Porous Oxides. ECS Transactions, 2010, 28, 145-156.	0.3	1
124	Influence of leaf litter on corrosion of gutters. Corrosion Engineering Science and Technology, 2010, 45, 268-276.	0.7	0
125	Products Formed during the Interaction of Seawater Droplets with Zinc Surfaces. Journal of the Electrochemical Society, 2010, 157, C213.	1.3	46
126	DEVELOPMENT OF A CORROSION SENSOR FOR AN AIRCRAFT VEHICLE HEALTH MONITORING SYSTEM. , 2010, , .		0

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127	Designing green, self-healing coatings for metal protection. NPG Asia Materials, 2010, 2, 143-151.	3.8	190
128	What really controls the atmospheric corrosion of zinc? Effect of marine aerosols on atmospheric corrosion of zinc. International Materials Reviews, 2009, 54, 117-133.	9.4	69
129	Modelling aerosol deposition rates on aircraft and implications for pollutant accumulation and corrosion. Corrosion Engineering Science and Technology, 2009, 44, 332-339.	0.7	7
130	Products Formed during the Interaction of Seawater Droplets with Zinc Surfaces: I. Results from 1- and 2.5-Day Exposures. Journal of the Electrochemical Society, 2008, 155, C244.	1.3	42
131	Experimental determination of duration of wetness on metal surfaces. Corrosion Engineering Science and Technology, 2008, 43, 156-162.	0.7	18
132	Development of a sensor-based learning approach to prognostics in intelligent vehicle health monitoring. , 2008, , .		8
133	Pitting Corrosion of Zn and Zn-Al Coated Steels in pH 2 to 12 NaCl Solutions. Journal of the Electrochemical Society, 2007, 154, C7.	1.3	45
134	Holistic model for atmospheric corrosion Part 7 â€“ Cleaning of salt from metal surfaces. Corrosion Engineering Science and Technology, 2007, 42, 106-111.	0.7	17
135	Multi-Scale Modeling of the Corrosion of Metals under Atmospheric Corrosion. Materials Science Forum, 2007, 561-565, 2209-2212.	0.3	4
136	Development of a System for Corrosion Diagnostics and Prognostics. Corrosion Reviews, 2007, 25, 161-178.	1.0	8
137	The influence of microstructure on surface phenomena: Rolled zinc. Corrosion Science, 2007, 49, 2037-2058.	3.0	21
138	Mathematical models of dependence of surface temperatures of exposed metal plates on environmental parameters. Corrosion Engineering Science and Technology, 2006, 41, 67-76.	0.7	29
139	Experimental determination of time taken for openly exposed metal surfaces to dry. Corrosion Engineering Science and Technology, 2006, 41, 161-167.	0.7	15
140	Field studies of surface cleaning and salt retention on openly exposed metal plates. Corrosion Engineering Science and Technology, 2006, 41, 310-320.	0.7	16
141	Experimental studies on dependence of surface temperatures of exposed metal plates on environmental parameters. Corrosion Engineering Science and Technology, 2005, 40, 328-336.	0.7	17
142	Attachment Efficiencies of Salt Aerosols onto Infrastructure and Implications for Atmospheric Corrosion. Journal of the Electrochemical Society, 2005, 152, B125.	1.3	8
143	Holistic model for atmospheric corrosion Part 4 â€“ Geographic information system for predicting airborne salinity. Corrosion Engineering Science and Technology, 2004, 39, 89-96.	0.7	30
144	A Study of the Wetting of Metal Surfaces in Order to Understand the Processes Controlling Atmospheric Corrosion. Journal of the Electrochemical Society, 2004, 151, B627.	1.3	84

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145	The protective nature of passivation films on zinc: wetting and surface energy. Corrosion Science, 2004, 46, 2337-2354.	3.0	52
146	The protective nature of passivation films on zinc: surface charge. Corrosion Science, 2004, 46, 2319-2335.	3.0	100
147	Holistic model for atmospheric corrosion Part 1 - Theoretical framework for production, transportation and deposition of marine salts. Corrosion Engineering Science and Technology, 2003, 38, 129-134.	0.7	113
148	Holistic model for atmospheric corrosion: Part 3 - Effect of natural and man made landforms on deposition of marine salts in Australia and south-east Asia. Corrosion Engineering Science and Technology, 2003, 38, 267-274.	0.7	21
149	Holistic model for atmospheric corrosion: Part 2 - Experimental measurement of deposition of marine salts in a number of long range studies. Corrosion Engineering Science and Technology, 2003, 38, 259-266.	0.7	49
150	Using Fourier Transform Infrared Analysis to Detect Corrosion Products on the Surface of Metals Exposed to Atmospheric Conditions. Corrosion, 1997, 53, 788-799.	0.5	25
151	THE EFFECT OF CATHODIC PROTECTION POTENTIAL ON CORROSION FATIGUE CRACK GROWTH RATE OF AN OFFSHORE STRUCTURAL STEEL. Fatigue and Fracture of Engineering Materials and Structures, 1996, 19, 1019-1029.	1.7	6
152	AN ASSESSMENT OF A MICRO-MECHANIC MODEL OF HYDROGEN-INDUCED STRESS CORROSION CRACKING, BASED ON A STUDY OF AN X65 LINE PIPE STEEL. Fatigue and Fracture of Engineering Materials and Structures, 1994, 17, 265-275.	1.7	1
153	A SUMMARY REPORT OF AN ESIS WORKING PARTY ON FRACTURE CONTROL GUIDELINES FOR ENVIRONMENTALLY ASSISTED CRACKING OF LOW ALLOY STEELS. Fatigue and Fracture of Engineering Materials and Structures, 1993, 16, 603-618.	1.7	4
154	Effect of thickness on the fatigue life of welded joints for offshore platforms. Welding International, 1992, 6, 450-454.	0.3	0
155	Modeling Corrosion of a Metal under an Aerosol Droplet. Materials Science Forum, 0, 654-656, 1650-1653.	0.3	12
156	Recent Progress in Intelligent Vehicle Health Monitoring. Key Engineering Materials, 0, 558, 357-363.	0.4	2
157	Enhancement of the corrosion properties of cold sprayed Tiâ€“6Alâ€“4V coatings on mild steel via silica sealer. Materials and Corrosion - Werkstoffe Und Korrosion, 0, , .	0.8	6
158	The influence of powder morphology on the microstructure and mechanical properties of as-sprayed and heat-treated cold-sprayed CP Ti. International Journal of Advanced Manufacturing Technology, 0, , 1.	1.5	2
159	Evolution and stability of 2-mercaptobenzimidazole inhibitor film upon Al alloy 6061. Journal of Applied Electrochemistry, 0, , 1.	1.5	1