List of Publications by Year in descending order

200 papers	14,744 citations	16411 64 h-index	21474 114 g-index
202 all docs	202 docs citations	202 times ranked	11491 citing authors

#	Article	IF	Citations
1	Redox flow cells for energy conversion. Journal of Power Sources, 2006, 160, 716-732.	4.0	991
2	Progress in redox flow batteries, remaining challenges and their applications in energy storage. RSC Advances, 2012, 2, 10125.	1.7	778
3	Electrodeposition of composite coatings containing nanoparticles in a metal deposit. Surface and Coatings Technology, 2006, 201, 371-383.	2.2	726
4	Electrochemical synthesis of hydrogen peroxide from water and oxygen. Nature Reviews Chemistry, 2019, 3, 442-458.	13.8	544
5	Ionic Conductivity of an Extruded Nafion 1100 EW Series of Membranes. Journal of the Electrochemical Society, 2002, 149, A1556.	1.3	434
6	Electrodeposited lead dioxide coatings. Chemical Society Reviews, 2011, 40, 3879.	18.7	310
7	A review of the electrodeposition of metal matrix composite coatings by inclusion of particles in a metal layer: an established and diversifying technology. Transactions of the Institute of Metal Finishing, 2014, 92, 83-98.	0.6	300
8	Reticulated vitreous carbon as an electrode material. Journal of Electroanalytical Chemistry, 2004, 561, 203-217.	1.9	294
9	The continuing development of MagnÃ©li phase titanium sub-oxides and EbonexÂ® electrodes. Electrochimica Acta, 2010, 55, 6342-6351.	2.6	286
10	Nickel based electrocatalysts for oxygen evolution in high current density, alkaline water electrolysers. Physical Chemistry Chemical Physics, 2011, 13, 1162-1167.	1.3	282
11	Title is missing!. Journal of Applied Electrochemistry, 1998, 28, 1021-1033.	1.5	281
12	Electrode materials for electrosynthesis. Chemical Reviews, 1990, 90, 837-865.	23.0	232
13	Engineering aspects of the design, construction and performance of modular redox flow batteries for energy storage. Journal of Energy Storage, 2017, 11, 119-153.	3.9	229
14	Direct borohydride fuel cells. Journal of Power Sources, 2006, 155, 172-181.	4.0	227
15	Three-dimensional graphene oxide/polypyrrole composite electrodes fabricated by one-step electrodeposition for high performance supercapacitors. Journal of Materials Chemistry A, 2015, 3, 14445-14457.	5.2	212
16	Characterization of a zincâ€“cerium flow battery. Journal of Power Sources, 2011, 196, 5174-5185.	4.0	201
17	Graphite felt as a versatile electrode material: Properties, reaction environment, performance and applications. Electrochimica Acta, 2017, 258, 1115-1139.	2.6	171
18	A review of the manufacture, mechanical properties and potential applications of auxetic foams. Physica Status Solidi (B): Basic Research, 2013, 250, 1963-1982.	0.7	166

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19	A review of electrodeposited Ni-Co alloy and composite coatings: Microstructure, properties and applications. Surface and Coatings Technology, 2019, 372, 463-498.	2.2	161
20	Polymer nanocomposites having a high filler content: synthesis, structures, properties, and applications. Nanoscale, 2019, 11, 4653-4682.	2.8	161
21	Electrochemical technology for environmental treatment and clean energy conversion. Pure and Applied Chemistry, 2001, 73, 1819-1837.	0.9	155
22	Recent progress and continuing challenges in bio-fuel cells. Part II: Microbial. Biosensors and Bioelectronics, 2010, 26, 953-963.	5.3	155
23	The rotating cylinder electrode: a review of development. Journal of Applied Electrochemistry, 1983, 13, 3-21.	1.5	151
24	A review of experimental techniques to produce a nacre-like structure. Bioinspiration and Biomimetics, 2012, 7, 031001.	1.5	143
25	Zinc deposition and dissolution in methanesulfonic acid onto a carbon composite electrode as the negative electrode reactions in a hybrid redox flow battery. Electrochimica Acta, 2011, 56, 6536-6546.	2.6	125
26	The electrodeposition of composite coatings: Diversity, applications and challenges. Current Opinion in Electrochemistry, 2020, 20, 8-19.	2.5	125
27	A novel flow battery: A lead acid battery based on an electrolyte with soluble lead(II). Electrochimica Acta, 2009, 54, 4688-4695.	2.6	118
28	Redox flow batteries for energy storage: their promise, achievements and challenges. Current Opinion in Electrochemistry, 2019, 16, 117-126.	2.5	117
29	The rotating cylinder electrode: its continued development and application. Journal of Applied Electrochemistry, 1998, 28, 759-780.	1.5	116
30	Electrodeposition of Ni P alloy coatings: A review. Surface and Coatings Technology, 2019, 369, 198-220.	2.2	116
31	A novel flow batteryâ€"A lead-acid battery based on an electrolyte with soluble lead(II). Journal of Power Sources, 2008, 180, 630-634.	4.0	106
32	Electrochemical characterisation of the porosity and corrosion resistance of electrochemically deposited metal coatings. Surface and Coatings Technology, 2008, 202, 5092-5102.	2.2	103
33	A novel flow batteryâ€"A lead-acid battery based on an electrolyte with soluble lead(II). Journal of Power Sources, 2008, 180, 621-629.	4.0	102
34	Reticulated vitreous carbon cathodes for metal ion removal from process streams part I: Mass transport studies. Journal of Applied Electrochemistry, 1991, 21, 659-666.	1.5	101
35	Electrochemical and microscopic characterisation of platinum-coated perfluorosulfonic acid (Nafion 117) materialsâ€. Analyst, The, 1998, 123, 1923-1929.	1.7	98
36	Highlights during the development of electrochemical engineering. Chemical Engineering Research and Design, 2013, 91, 1998-2020.	2.7	97

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37	Progress in electrochemical flow reactors for laboratory and pilot scale processing. Electrochimica Acta, 2018, 280, 121-148.	2.6	97
38	Self-lubricating Ni-P-MoS2 composite coatings. Surface and Coatings Technology, 2016, 307, 926-934.	2.2	96
39	An undivided zincâ€“cerium redox flow battery operating at room temperature (295 K). Electrochemistry Communications, 2011, 13, 770-773.	2.3	95
40	Materials and fabrication of electrode scaffolds for deposition of MnO2 and their true performance in supercapacitors. Journal of Power Sources, 2015, 293, 657-674.	4.0	93
41	3D-printed porous electrodes for advanced electrochemical flow reactors: A Ni/stainless steel electrode and its mass transport characteristics. Electrochemistry Communications, 2017, 77, 133-137.	2.3	93
42	The preparation of PbO2 coatings on reticulated vitreous carbon for the electro-oxidation of organic pollutants. Electrochimica Acta, 2011, 56, 5158-5165.	2.6	87
43	Developments in the soluble lead-acid flow battery. Journal of Applied Electrochemistry, 2010, 40, 955-965.	1.5	86
44	The electrochemistry of Magnï¿½li phase titanium oxide ceramic electrodes Part I. The deposition and properties of metal coatings. Journal of Applied Electrochemistry, 1991, 21, 848-857.	1.5	85
45	Studies of three-dimensional electrodes in the FM01-LC laboratory electrolyser. Journal of Applied Electrochemistry, 1994, 24, 95.	1.5	85
46	Versatile electrochemical coatings and surface layers from aqueous methanesulfonic acid. Surface and Coatings Technology, 2014, 259, 676-697.	2.2	85
47	Studies of space-averaged mass transport in the FM01-LC laboratory electrolyser. Journal of Applied Electrochemistry, 1993, 23, 38-43.	1.5	84
48	Ce(III)/Ce(IV) in methanesulfonic acid as the positive half cell of a redox flow battery. Electrochimica Acta, 2011, 56, 2145-2153.	2.6	82
49	The filter-press FM01-LC laboratory flow reactor and its applications. Electrochimica Acta, 2015, 163, 338-354.	2.6	82
50	A direct borohydrideâ€“peroxide fuel cell using a Pd/Ir alloy coated microfibrous carbon cathode. Electrochemistry Communications, 2008, 10, 1610-1613.	2.3	81
51	Mass transport in the rectangular channel of a filter-press electrolyzer (the FM01-LC reactor). AICHE Journal, 2005, 51, 682-687.	1.8	79
52	The Rotating Cylinder Electrode (RCE) and its Application to the Electrodeposition of Metals. Australian Journal of Chemistry, 2005, 58, 246.	0.5	79
53	The continued development of reticulated vitreous carbon as a versatile electrode material: Structure, properties and applications. Electrochimica Acta, 2016, 215, 566-591.	2.6	78
54	A review of developments in the electrodeposition of tin. Surface and Coatings Technology, 2016, 288, 79-94.	2.2	78

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55	The deposition of nanostructured Î²-PbO2 coatings from aqueous methanesulfonic acid for the electrochemical oxidation of organic pollutants. Electrochemistry Communications, 2010, 12, 70-74.	2.3	77
56	The characteristics and performance of hybrid redox flow batteries with zinc negative electrodes for energy storage. Renewable and Sustainable Energy Reviews, 2018, 90, 992-1016.	8.2	77
57	Reviewâ€"The Development of Wearable Polymer-Based Sensors: Perspectives. Journal of the Electrochemical Society, 2020, 167, 037566.	1.3	76
58	Electrocrystallization and electrochemical control of crystal growth: fundamental considerations and electrodeposition of metals. Journal Physics D: Applied Physics, 1991, 24, 217-225.	1.3	74
59	The reaction environment in a filter-press laboratory reactor: the FM01-LC flow cell. Electrochimica Acta, 2015, 161, 436-452.	2.6	74
60	Electrodeposited Hydroxyapatite-Based Biocoatings: Recent Progress and Future Challenges. Coatings, 2021, 11, 110.	1.2	74
61	Electrodeposition of Composite Layers Consisting of Inert Inclusions in a Metal Matrix. Transactions of the Institute of Metal Finishing, 1997, 75, 53-58.	0.6	73
62	A novel flow battery: A lead acid battery based on an electrolyte with soluble lead(II). Part IX: Electrode and electrolyte conditioning with hydrogen peroxide. Journal of Power Sources, 2010, 195, 2975-2978.	4.0	70
63	The Development of Znâ€"Ce Hybrid Redox Flow Batteries for Energy Storage and Their Continuing Challenges. ChemPlusChem, 2015, 80, 288-311.	1.3	69
64	Electrodeposition of polypyrroleâ€"titanate nanotube composites coatings and their corrosion resistance. Electrochimica Acta, 2011, 56, 1323-1328.	2.6	68
65	3D-Printing of Redox Flow Batteries for Energy Storage: A Rapid Prototype Laboratory Cell. ECS Journal of Solid State Science and Technology, 2015, 4, P3080-P3085.	0.9	66
66	Electrodeposited Ni-Co alloy-particle composite coatings: A comprehensive review. Surface and Coatings Technology, 2020, 382, 125153.	2.2	66
67	An electrodeposited Ni-P-WS2 coating with combined super-hydrophobicity and self-lubricating properties. Electrochimica Acta, 2017, 245, 872-882.	2.6	65
68	A review of developments in the electrodeposition of tin-copper alloys. Surface and Coatings Technology, 2016, 304, 246-262.	2.2	64
69	One-step electrodeposition of a self-cleaning and corrosion resistant Ni/WS₂superhydrophobic surface. RSC Advances, 2016, 6, 59104-59112.	1.7	64
70	Electrodeposited conductive polymers for controlled drug release: polypyrrole. Journal of Solid State Electrochemistry, 2016, 20, 839-859.	1.2	63
71	Reviewâ€"The Design, Performance and Continuing Development of Electrochemical Reactors for Clean Electrosynthesis. Journal of the Electrochemical Society, 2020, 167, 155525.	1.3	62
72	Electroplating of non-fluorinated superhydrophobic Ni/WC/WS2 composite coatings with high abrasive resistance. Applied Surface Science, 2019, 487, 1329-1340.	3.1	58

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73	Reticulated vitreous carbon cathodes for metal ion removal from process streams part II: Removal of copper(II) from acid sulphate media. Journal of Applied Electrochemistry, 1991, 21, 667-671.	1.5	57
74	Mass transport in an electrochemical laboratory filterpress reactor and its enhancement by turbulence promoters. Electrochimica Acta, 1996, 41, 591-603.	2.6	57
75	Flow influenced electrochemical corrosion of nickel aluminium bronze ? Part I. Cathodic polarisation. Journal of Applied Electrochemistry, 2004, 34, 1235-1240.	1.5	56
76	Mass transport and active area of porous Pt/Ti electrodes for the Zn-Ce redox flow battery determined from limiting current measurements. Electrochimica Acta, 2016, 221, 154-166.	2.6	56
77	Developments in soluble lead flow batteries and remaining challenges: An illustrated review. Journal of Energy Storage, 2018, 15, 69-90.	3.9	56
78	Strategies for the determination of the convective-diffusion limiting current from steady state linear sweep voltammetry. Journal of Applied Electrochemistry, 2007, 37, 1261-1270.	1.5	53
79	Electrodeposition of Ni P composite coatings: A review. Surface and Coatings Technology, 2019, 378, 124803.	2.2	52
80	A review of some recent electrolytic cell designs. Surface Technology, 1985, 24, 45-77.	0.4	51
81	Electrochemical redox processes involving soluble cerium species. Electrochimica Acta, 2016, 205, 226-247.	2.6	51
82	Hydrodynamic behaviour of the FM01-LC reactor. Electrochimica Acta, 1996, 41, 493-502.	2.6	50
83	Three-dimensional porous metal electrodes: Fabrication, characterisation and use. Current Opinion in Electrochemistry, 2019, 16, 1-9.	2.5	50
84	Electrochemical Techniques for the Treatment of Dilute Metal-Ion Solutions. Studies in Environmental Science, 1994, , 3-44.	0.0	49
85	The limiting current for reduction of ferricyanide ion at nickel: The importance of experimental conditions. AICHE Journal, 2008, 54, 802-810.	1.8	48
86	The performance of a soluble lead-acid flow battery and its comparison to a static lead-acid battery. Energy Conversion and Management, 2011, 52, 3391-3398.	4.4	48
87	The role of a tribofilm and wear debris in the tribological behaviour of nanocrystalline Niâ€“Co electrodeposits. Wear, 2013, 306, 296-303.	1.5	48
88	Characterization of the reaction environment in a filter-press redox flow reactor. Electrochimica Acta, 2007, 52, 5815-5823.	2.6	47
89	The rotating cylinder electrode for studies of corrosion engineering and protection of metalsâ€”An illustrated review. Corrosion Science, 2017, 123, 1-20.	3.0	47
90	Design and performance of electrochemical reactors for efficient synthesis and environmental treatment. Part 1. Electrode geometry and figures of merit. Analyst, The, 1994, 119, 791.	1.7	45

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91	Electrodeposition of nanocrystalline nickelâ€“cobalt binary alloy coatings: a review. Transactions of the Institute of Metal Finishing, 2015, 93, 104-112.	0.6	44
92	The influence of operational parameters on the performance of an undivided zincâ€“cerium flow battery. Electrochimica Acta, 2012, 80, 7-14.	2.6	41
93	Decolorization of Methyl Orange Dye at IrO₂â€“SnO₂â€“Sb₂O₅ Coated Titanium Anodes. Chemical Engineering and Technology, 2013, 36, 123-129.	0.9	41
94	Critical Reviewâ€”The Versatile Plane Parallel Electrode Geometry: An Illustrated Review. Journal of the Electrochemical Society, 2020, 167, 023504.	1.3	41
95	The electrodeposition and characterisation of low-friction and wear-resistant Co-Ni-P coatings. Surface and Coatings Technology, 2013, 235, 495-505.	2.2	40
96	Robust Ni/WC superhydrophobic surfaces by electrodeposition. RSC Advances, 2017, 7, 44896-44903.	1.7	40
97	The effects of manifold flow on mass transport in electrochemical filterâ€press reactors. AICHE Journal, 2008, 54, 811-823.	1.8	39
98	Effective particle dispersion via high-shear mixing of the electrolyte for electroplating a nickel-molybdenum disulphide composite. Electrochimica Acta, 2018, 283, 568-577.	2.6	39
99	Enhanced corrosion protection of NiTi orthopedic implants by highly crystalline hydroxyapatite deposited by spin coating: The importance of pre-treatment. Materials Chemistry and Physics, 2021, 259, 124041.	2.0	39
100	Conducting polymer coatings in electrochemical technology Part 2 â€“ Application areas. Transactions of the Institute of Metal Finishing, 2008, 86, 34-40.	0.6	38
101	Alternative tribological coatings to electrodeposited hard chromium: a critical review. Transactions of the Institute of Metal Finishing, 2020, 98, 173-185.	0.6	38
102	Towards improved electroplating of metal-particle composite coatings. Transactions of the Institute of Metal Finishing, 2020, 98, 288-299.	0.6	38
103	Flow influenced electrochemical corrosion of nickel aluminium bronze ? Part II. Anodic polarisation and derivation of the mixed potential. Journal of Applied Electrochemistry, 2004, 34, 1241-1248.	1.5	37
104	Corrosion of the zinc negative electrode of zincâ€“cerium hybrid redox flow batteries in methanesulfonic acid. Journal of Applied Electrochemistry, 2014, 44, 1025-1035.	1.5	37
105	Developments in electrode design: structure, decoration and applications of electrodes for electrochemical technology. Journal of Chemical Technology and Biotechnology, 2018, 93, 3073-3090.	1.6	37
106	Pressure drop through platinized titanium porous electrodes for ceriumâ€based redox flow batteries. AICHE Journal, 2018, 64, 1135-1146.	1.8	36
107	Mass transfer to a nanostructured nickel electrodeposit of high surface area in a rectangular flow channel. Electrochimica Acta, 2013, 90, 507-513.	2.6	35
108	The Preparation of Auxetic Foams by Threeâ€<scp>D</scp>imensional Printing and Their Characteristics. Advanced Engineering Materials, 2013, 15, 980-985.	1.6	35

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109	Influence of surfactants on electrodeposition of a Ni-nanoparticulate SiC composite coating. Transactions of the Institute of Metal Finishing, 2015, 93, 147-156.	0.6	35
110	Synthesis of novel composite materials via the deposition of precious metals onto protonated titanate (TiO2) nanotubes. Transactions of the Institute of Metal Finishing, 2006, 84, 293-299.	0.6	33
111	Hierarchical tube-in-tube structures prepared by electrophoretic deposition of nanostructured titanates into a TiO2 nanotube array. Chemical Communications, 2013, 49, 7007.	2.2	33
112	The Importance of Cell Geometry and Electrolyte Properties to the Cell Potential of Zn-Ce Hybrid Flow Batteries. Journal of the Electrochemical Society, 2016, 163, A5170-A5179.	1.3	33
113	Applications of Faraday's Laws of Electrolysis in Metal Finishing. Transactions of the Institute of Metal Finishing, 1991, 69, 158-162.	0.6	32
114	Electrodeposition of nanocrystalline nickel and cobalt coatings. Transactions of the Institute of Metal Finishing, 2015, 93, 8-17.	0.6	32
115	Developments in plane parallel flow channel cells. Current Opinion in Electrochemistry, 2019, 16, 10-18.	2.5	32
116	Reticulated vitreous carbon cathodes for metal ion removal from process streams Part III: Studies of a single pass reactor. Journal of Applied Electrochemistry, 1993, 23, 82-85.	1.5	31
117	The use of electrolyte redox potential to monitor the Ce(IV)/Ce(III) couple. Journal of Environmental Management, 2008, 88, 1417-1425.	3.8	31
118	Electrodeposited Co-P alloy and composite coatings: A review of progress towards replacement of conventional hard chromium deposits. Surface and Coatings Technology, 2021, 422, 127564.	2.2	30
119	The electrodeposition of nickelâ€“graphite composite layers. Surface and Coatings Technology, 2011, 205, 5205-5209.	2.2	29
120	Photoelectrocatalytic Oxidation of Methyl Orange on a TiO₂ Nanotubular Anode Using a Flow Cell. Chemical Engineering and Technology, 2016, 39, 135-141.	0.9	29
121	Instrumentation and cell design for in situ studies of electrode surfaces using xâ€ray synchrotron radiation. Review of Scientific Instruments, 1992, 63, 950-955.	0.6	28
122	Editors' Choiceâ€”Electrodeposition of Platinum on Titanium Felt in a Rectangular Channel Flow Cell. Journal of the Electrochemical Society, 2017, 164, D57-D66.	1.3	28
123	Progress in Niobium Oxide-Containing Coatings for Biomedical Applications: A Critical Review. ACS Omega, 2022, 7, 9088-9107.	1.6	28
124	Improvements in direct borohydride fuel cells using three-dimensional electrodes. Catalysis Today, 2011, 170, 148-154.	2.2	27
125	Cellulose acetate based Complexation-NF membranes for the removal of Pb(II) from waste water. Scientific Reports, 2021, 11, 1806.	1.6	27
126	Design and performance of electrochemical reactors for efficient synthesis and environmental treatment. Part 2. Typical reactors and their performance. Analyst, The, 1994, 119, 797.	1.7	26

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127	The monitoring of coating health by in situ luminescent layers. RSC Advances, 2015, 5, 42965-42970.	1.7	26
128	The electrodeposition of nanocrystalline Cobaltâ€“Nickelâ€“Phosphorus alloy coatings: a review. Transactions of the Institute of Metal Finishing, 2015, 93, 275-280.	0.6	25
129	The Ionic Conductivity of a NafionÂ® 1100 Series of Protonâ€exchange Membranes Reâ€cast from Butanâ€1â€ol and Propanâ€2â€ol. Fuel Cells, 2010, 10, 567-574.	1.5	24
130	Diverse electrodeposits from modified acid sulphate (Watts nickel) baths. Transactions of the Institute of Metal Finishing, 2016, 94, 274-282.	0.6	24
131	Simulations of fluid flow, mass transport and current distribution in a parallel plate flow cell during nickel electrodeposition. Journal of Electroanalytical Chemistry, 2020, 873, 114359.	1.9	24
132	CFD evaluation of internal manifold effects on mass transport distribution in a laboratory filter-press flow cell. Journal of Applied Electrochemistry, 2013, 43, 453-465.	1.5	23
133	Decolourisation of reactive black-5 at an RVC substrate decorated with PbO2/TiO2 nanosheets prepared by anodic electrodeposition. Journal of Solid State Electrochemistry, 2018, 22, 2889-2900.	1.2	23
134	Electroless Deposition of Metals. Transactions of the Institute of Metal Finishing, 2001, 79, 41-46.	0.6	22
135	Studies of Porosity in Electroless Nickel Deposits on Ferrous Substrates. Transactions of the Institute of Metal Finishing, 1996, 74, 214-220.	0.6	21
136	Conducting polymer coatings in electrochemical technology Part 1 â€“ Synthesis and fundamental aspects. Transactions of the Institute of Metal Finishing, 2007, 85, 237-244.	0.6	21
137	The formation of nanostructured surfaces by electrochemical techniques: a range of emerging surface finishes. Part 2: examples of nanostructured surfaces by plating and anodising with their applications. Transactions of the Institute of Metal Finishing, 2015, 93, 241-247.	0.6	21
138	Titanate nanotubes and nanosheets as a mechanical reinforcement of water-soluble polyamic acid: Experimental and theoretical studies. Composites Part B: Engineering, 2017, 124, 54-63.	5.9	21
139	Inhibition of Polyimide Photodegradation by Incorporation of Titanate Nanotubes into a Composite. Journal of Polymers and the Environment, 2019, 27, 1505-1515.	2.4	21
140	The Importance of Substrate Surface Condition in Controlling the Porosity of Electroless Nickel Deposits. Transactions of the Institute of Metal Finishing, 1998, 76, 149-155.	0.6	20
141	Erosionâ€“corrosion synergism in an alumina/sea water nanofluid. Microfluidics and Nanofluidics, 2014, 17, 225-232.	1.0	20
142	Mass Transport and Flow Dispersion in the Compartments of a Modular 10 Cell Filter-Press Stack. Australian Journal of Chemistry, 2008, 61, 797.	0.5	18
143	Anodising of titanium in methanesulphonic acid to form titanium dioxide nanotube arrays. Transactions of the Institute of Metal Finishing, 2011, 89, 44-50.	0.6	18
144	A gold-coated titanium oxide nanotube array for the oxidation of borohydride ions. Electrochemistry Communications, 2012, 22, 166-169.	2.3	18

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145	Modern developments in electrodes for electrochemical technology and the role of surface finishing. Transactions of the Institute of Metal Finishing, 2019, 97, 28-42.	0.6	18
146	Copper deposition at segmented, reticulated vitreous carbon cathode in Hull cell. Transactions of the Institute of Metal Finishing, 2010, 88, 84-92.	0.6	17
147	Hardness of porous nanocrystalline Co-Ni electrodeposits. Metals and Materials International, 2013, 19, 1187-1192.	1.8	17
148	Mass-Transfer Measurements at Porous 3D Pt-Ir/Ti Electrodes in a Direct Borohydride Fuel Cell. Journal of the Electrochemical Society, 2018, 165, F198-F206.	1.3	17
149	Instrumentation and data acquisition for in situ electrochemistry at the Daresbury SRS. Review of Scientific Instruments, 1989, 60, 2386-2389.	0.6	16
150	Characterisation of platinum electrodeposits on a titanium micromesh stack in a rectangular channel flow cell. Electrochimica Acta, 2017, 247, 994-1005.	2.6	16
151	X-ray computed micro-tomography of reticulated vitreous carbon. Carbon, 2018, 135, 85-94.	5.4	16
152	The electrochemical reduction of Cr(VI) ions in acid solution at titanium and graphite electrodes. Journal of Environmental Chemical Engineering, 2016, 4, 3610-3617.	3.3	15
153	Monitoring of zincate pre-treatment of aluminium prior to electroless nickel plating. Transactions of the Institute of Metal Finishing, 2017, 95, 97-105.	0.6	15
154	Determination of the normalised space velocity for continuous stirred tank electrochemical reactors. Electrochimica Acta, 1993, 38, 465-468.	2.6	14
155	Copper deposition and dissolution in mixed chlorideâ€“sulphate acidic electrolytes: cyclic voltammetry at static disc electrode. Transactions of the Institute of Metal Finishing, 2015, 93, 74-81.	0.6	14
156	In-situ X-ray diffraction studies of lead dioxide in sulphuric acid during potential cycling. Phase Transitions, 1992, 39, 135-144.	0.6	13
157	Electrochemical and Spectroscopic Studies of the Influence of Thiourea on Copper Deposition from Acid Sulphate Solution. Transactions of the Institute of Metal Finishing, 1997, 75, 10-17.	0.6	13
158	Singleâ€Walled Carbon Nanotube/Trititanate Nanotube Composite Fibers. Advanced Engineering Materials, 2009, 11, B55.	1.6	13
159	The formation of nanostructured surfaces by electrochemical techniques: a range of emerging surface finishes â€“ Part 1: achieving nanostructured surfaces by electrochemical techniques. Transactions of the Institute of Metal Finishing, 2015, 93, 209-224.	0.6	13
160	A new procedure for the template synthesis of metal nanowires. Electrochemistry Communications, 2018, 87, 58-62.	2.3	13
161	Electrodeposition of platinum on 3D-printed titanium mesh to produce tailored, high area anodes. Transactions of the Institute of Metal Finishing, 2020, 98, 48-52.	0.6	13
162	Current versus Potential Studies for Copper Electrodeposition at a Rotating Disc Electrode. Transactions of the Institute of Metal Finishing, 1996, 74, 39-44.	0.6	12

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163	Zinc-based flow batteries for medium- and large-scale energy storage. , 2015, , 293-315.		12
164	The use of a rotating cylinder electrode to selective recover palladium from acid solutions used to manufacture automotive catalytic converters. Journal of Applied Electrochemistry, 2011, 41, 89-97.	1.5	11
165	Photocatalytic degradation of methylene blue dye on reticulated vitreous carbon decorated with electrophoretically deposited TiO2 nanotubes. Diamond and Related Materials, 2020, 109, 108001.	1.8	11
166	Porosity of nickel electrodeposits on mild steel using electrochemical impedance spectroscopy. Transactions of the Institute of Metal Finishing, 2012, 90, 156-160.	0.6	10
167	Electrodeposition of copper from mixed sulphateâ€“chloride acidic electrolytes at a rotating disc electrode. Transactions of the Institute of Metal Finishing, 2014, 92, 282-288.	0.6	10
168	The reduction of hydrogen peroxide at an Au-coated nanotubular TiO2 array. Journal of Applied Electrochemistry, 2014, 44, 169-177.	1.5	10
169	Insertion of nanostructured titanates into the pores of an anodised TiO2 nanotube array by mechanically stimulated electrophoretic deposition. Journal of Materials Chemistry C, 2017, 5, 3955-3961.	2.7	10
170	Electroanalysis in 2Dâ€TiO₂ Nanosheet Hosts: Electrolyte and Selectivity Effects in Ferroceneboronic Acid â€“ Saccharide Binding. Electroanalysis, 2018, 30, 1303-1310.	1.5	10
171	Experimental and computation assessment of thermomechanical effects during auxetic foam fabrication. Scientific Reports, 2020, 10, 18301.	1.6	10
172	Electrode Potential Measurements. Transactions of the Institute of Metal Finishing, 1992, 70, 141-143.	0.6	9
173	Scanning probe microscopy studies of EbonexÂ® electrodes. Journal of Applied Electrochemistry, 1997, 27, 815-820.	1.5	9
174	The importance of the film structure during self-powered ibuprofen salicylate drug release from polypyrrole electrodeposited on AZ31 Mg. Journal of Solid State Electrochemistry, 2016, 20, 3375-3382.	1.2	9
175	Synthesis and Properties of Electrodeposited Niâ€“Co/WS2 Nanocomposite Coatings. Coatings, 2019, 9, 148.	1.2	9
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