

Akram M Alfantazi

List of Publications by Year in descending order

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149
papers

5,929
citations

81743

39
h-index

88477

70
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215
all docs

215
docs citations

215
times ranked

5442
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient and cost-effective hybrid composite materials based on thermoplastic polymer and recycled graphite. <i>Chemical Engineering Journal</i> , 2022, 430, 132667.	6.6	19
2	Recent advances in oriented metal-organic frameworks for supercapacitive energy storage. <i>Journal of Materials Chemistry A</i> , 2022, 10, 4475-4488.	5.2	46
3	Recycling of Electrode Materials from Spent Lithium-Ion Batteries to Develop Graphene Nanosheets and Graphene-Molybdenum Disulfide Nanohybrid: Environmental Benefits, Analysis of Supercapacitor Performance, and Influence of Density Functional Theory Calculations. <i>Energy & Fuels</i> , 2022, 36, 2159-2170.	2.5	14
4	Unveiling the Redox Electrochemistry of MOF-Derived fcc-NiCo@GC Polyhedron as an Advanced Electrode Material for Boosting Specific Energy of the Supercapattery. <i>Small</i> , 2022, 18, e2107284.	5.2	43
5	An oriented Ni-Co-MOF anchored on solution-free 1D CuO: a n heterojunction for supercapacitive energy storage. <i>Journal of Materials Chemistry A</i> , 2021, 9, 17790-17800.	5.2	86
6	Inhibition of Microbially Influenced Corrosion by Chitosan@lignosulfonate Nanospheres Under Dynamic Flow Conditions. <i>Journal of Bio- and Tribo-Corrosion</i> , 2021, 7, 1.	1.2	4
7	Influence of selenium precursors on the formation of iron selenide nanostructures (FeSe ₂): Efficient Electro-Fenton catalysts for detoxification of harmful organic dyestuffs. <i>Chemosphere</i> , 2021, 272, 129639.	4.2	27
8	Self-Supportive Bimetallic Selenide Heteronanostructures as High-Efficiency Electro(pre)catalysts for Water Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 13114-13123.	3.2	15
9	Ternary Zn _{1-x} Ni _x Se nanostructures as efficient photocatalysts for detoxification of hazardous Congo red, methyl orange, and chrome yellow dyes in wastewater sources. <i>Environmental Research</i> , 2021, 201, 111587.	3.7	16
10	Multifunctional silver nanocomposite: A potential material for antiscaling, antimicrobial and anticorrosive applications. <i>Jcis Open</i> , 2021, 3, 100012.	1.5	6
11	Comprehensive Review on Concept and Recycling Evolution of Lithium-Ion Batteries (LIBs). <i>Energy & Fuels</i> , 2021, 35, 18257-18284.	2.5	49
12	Localised instability of titanium during its erosion-corrosion in simulated acidic hydrometallurgical slurries. <i>Corrosion Science</i> , 2020, 174, 108816.	3.0	10
13	High performance multicomponent bifunctional catalysts for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13795-13805.	5.2	51
14	High performance, 3D-hierarchical CoS ₂ /CoSe@C nanohybrid as an efficient electrocatalyst for hydrogen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2020, 838, 155537.	2.8	30
15	Failure investigation of stainless steel anodes used in gold electrowinning. <i>Engineering Failure Analysis</i> , 2019, 106, 104183.	1.8	4
16	Electrodeposition of Unary Oxide on a Bimetallic Hydroxide as a Highly Active and Stable Catalyst for Water Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 16392-16400.	3.2	35
17	Measurement of local galvanic surface corrosion using scanning electrochemical microscopy on ductile cast iron. <i>Journal of Materials Science</i> , 2019, 54, 9213-9221.	1.7	11
18	Chapter 42 Corrosion of Pipeline Steel. , 2019, , 1417-1483.		0

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19	Electrochemical Corrosion Finite Element Analysis and Burst Pressure Prediction of Externally Corroded Underground Gas Transmission Pipelines. <i>Journal of Pressure Vessel Technology, Transactions of the ASME</i> , 2018, 140, .	0.4	4
20	Curing kinetics and mechanical properties of epoxy based coatings: The influence of added solvent. <i>Progress in Organic Coatings</i> , 2018, 124, 165-174.	1.9	37
21	Corrosion of New-Generation Steel in Outer Oil Pipeline Environments. <i>Journal of Materials Engineering and Performance</i> , 2017, 26, 214-220.	1.2	6
22	Controlling the Interfacial Environment in the Electrosynthesis of MnO _x Nanostructures for High-Performance Oxygen Reduction/Evolution Electrocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 26771-26785.	4.0	32
23	Evaluating the Passivation of Corrosion of API-X100 Steel with Cyclic Voltammetry. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2017, 48, 2615-2619.	1.0	1
24	Formation and Evolution of Oxide/Oxyhydroxide Corrosion Products on Low-Alloy Steel During Exposure to Near-Neutral pH Solutions Containing Oxygen and Nitrate. <i>Corrosion</i> , 2017, 73, 221-237.	0.5	0
25	Electrochemical and Passive Layer Characterizations of 304L, 316L, and Duplex 2205 Stainless Steels in Thiosulfate Gold Leaching Solutions. <i>Journal of the Electrochemical Society</i> , 2016, 163, C883-C894.	1.3	30
26	Corrosion Assessment of a Lead-Based Composite in Sulfuric Acid Electrolytes. <i>Corrosion</i> , 2016, 72, 1181-1195.	0.5	5
27	Hydrogen Evolution and Absorption in an API X100 Line Pipe Steel Exposed to Near-Neutral pH Solutions. <i>Electrochimica Acta</i> , 2016, 204, 18-30.	2.6	23
28	Modeling Corrosion Reactions of Steel in a Dilute Carbonate Solution. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 601-610.	1.2	5
29	Turning Bulk Titanium into Rutile Nanorods in One Step: Synthesis, Mechanism, and Application. <i>Crystal Growth and Design</i> , 2016, 16, 1583-1590.	1.4	1
30	Corrosion behavior of galvanized steel due to typical soil organics. <i>Construction and Building Materials</i> , 2016, 102, 904-912.	3.2	44
31	Numerical simulations of soil physicochemistry and aeration influences on the external corrosion and cathodic protection design of buried pipeline steels. <i>Materials and Design</i> , 2016, 97, 287-299.	3.3	53
32	Evaluation of manganese dioxide deposition on lead-based electrowinning anodes. <i>Hydrometallurgy</i> , 2016, 159, 28-39.	1.8	41
33	Electrochemical Corrosion of Stainless Steel in Thiosulfate Solutions Relevant to Gold Leaching. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2016, 47, 314-325.	1.1	12
34	Voltammetric Analysis on the Formation of Fe(OH) ₂ and FeCO ₃ , and on the Reactivity of Passivation of Steel in Carbonate Solutions. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 2473-2480.	1.2	8
35	Re-examining the influence of chloride ions on electrochemical CO ₂ corrosion of pipeline steels—corrosion of the heat-affected zones (HAZs) of API-X100 steel. <i>Canadian Journal of Chemical Engineering</i> , 2015, 93, 1044-1052.	0.9	7
36	Low Alloy X100 Pipeline Steel Corrosion and Passivation Behavior in Bicarbonate-Based Solutions of pH 6.7 to 8.9 with Groundwater Anions: An Electrochemical Study. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015, 46, 3104-3116.	1.1	13

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37	Water Transport in Polymer Coatings and the Correlation between Coating Properties and Water Uptake in Aqueous Solutions at Elevated Temperatures. <i>Corrosion</i> , 2015, , .	0.5	0
38	The Anodic Passivity of Titanium in Mixed Sulfate-Chloride Solutions. <i>Journal of the Electrochemical Society</i> , 2015, 162, E289-E295.	1.3	15
39	A new method to improve the corrosion resistance of titanium for hydrometallurgical applications. <i>Applied Surface Science</i> , 2015, 332, 480-487.	3.1	20
40	Effects of Temperature and Sulfate on the Pitting Corrosion of Titanium in High-Temperature Chloride Solutions. <i>Journal of the Electrochemical Society</i> , 2015, 162, C189-C196.	1.3	21
41	On the role of water, temperature, and glass transition in the corrosion protection behavior of epoxy coatings for underground pipelines. <i>Journal of Coatings Technology Research</i> , 2015, 12, 1095-1110.	1.2	7
42	How deposition parameters affect corrosion behavior of TiO ₂ -Al ₂ O ₃ nanocomposite coatings. <i>Applied Surface Science</i> , 2015, 353, 1242-1252.	3.1	34
43	Correlation between grain orientation and surface dissolution of niobium. <i>Applied Surface Science</i> , 2015, 335, 223-226.	3.1	23
44	The performance of Pb ²⁺ /MnO ₂ and Pb ²⁺ /Ag anodes in 2 Mn(II)-containing sulphuric acid electrolyte solutions. <i>Hydrometallurgy</i> , 2015, 153, 134-144.	1.8	46
45	A study of X100 pipeline steel passivation in mildly alkaline bicarbonate solutions using electrochemical impedance spectroscopy under potentiodynamic conditions and Mott's Schottky. <i>Applied Surface Science</i> , 2015, 357, 356-368.	3.1	46
46	High Temperature Corrosion of Titanium Under Conditions Relevant to Pressure Leaching: Mass Loss and Electrochemistry. <i>Corrosion</i> , 2015, 71, 352-366.	0.5	7
47	Role of Thiosulfate in the Corrosion of Steels: A Review. <i>Corrosion</i> , 2015, 71, 1147-1168.	0.5	85
48	Method for Enhancing the Bifunctional Activity and Durability of Oxygen Electrodes with Mixed Oxide Electrocatalysts: Potential Driven Intercalation of Potassium. <i>Journal of the Electrochemical Society</i> , 2015, 162, F1356-F1366.	1.3	32
49	Effect of microstructure on the erosion behavior of carbon steel. <i>Wear</i> , 2015, 332-333, 1080-1089.	1.5	53
50	ELECTROCHEMICAL BEHAVIOR OF ELECTRODEPOSITED NANOCRYSTALLINE COBALT-IRON ALLOY COATING IN DIFFERENT PH. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 76, .	0.3	0
51	Parametric Studies and Application of a Practical Model for Corrosion of Galvanized Steel in Soil. <i>Corrosion</i> , 2014, 70, 1189-1202.	0.5	3
52	Investigating the Significance of Bicarbonate with the Corrosion of High-Strength Steel in CO ₂ -Saturated Solutions. <i>Journal of Materials Engineering and Performance</i> , 2014, 23, 4082-4088.	1.2	4
53	Bicarbonate, Temperature, and pH Influences on the Passivation of API-X100 Pipeline Steel in Simulated Groundwater Solutions. , 2014, , .		0
54	Application and optimisation studies of a zinc electrowinning process simulation. <i>Canadian Journal of Chemical Engineering</i> , 2014, 92, 633-642.	0.9	19

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55	Corrosion Cyclic Voltammetry of Two Types of Heat-Affected Zones (HAZs) of API-X100 Steel in Bicarbonate Solutions. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2014, 45, 2464-2474.	1.0	5
56	Manganese Dioxide-based Bifunctional Oxygen Reduction/Evolution Electrocatalysts: Effect of Perovskite Doping and Potassium Ion Insertion. Electrochimica Acta, 2014, 123, 42-50.	2.6	55
57	On the theory of CO ₂ corrosion reactions – Investigating their interrelation with the corrosion products and API-X100 steel microstructure. Corrosion Science, 2014, 85, 380-393.	3.0	68
58	Influence of Cupric, Ferric, and Chloride on the Corrosion of Titanium in Sulfuric Acid Solutions Up to 85°C. Corrosion, 2014, 70, 29-37.	0.5	30
59	High temperature corrosion and electrochemical behavior of INCONEL 625 weld overlay in PbSO ₄ –Pb ₃ O ₄ –PbCl ₂ –CdO–ZnO molten salt medium. Corrosion Science, 2014, 85, 60-76.	3.0	63
60	An EQCM study on the influence of saccharin on the corrosion properties of nanostructured cobalt and cobalt-iron alloy coatings. Journal of Solid State Electrochemistry, 2014, 18, 1701-1716.	1.2	6
61	Electrochemical behavior of API-X100 pipeline steel in NS ₄ , near-neutral, and mildly alkaline pH simulated soil solutions. Corrosion Science, 2014, 82, 45-57.	3.0	70
62	An electrochemical impedance spectroscopy and polarization study of the role of crystallographic orientation on electrochemical behavior of niobium. Electrochimica Acta, 2014, 131, 79-88.	2.6	38
63	The effect of grid configurations on potential and current density distributions in positive plate of lead–acid battery via numerical modeling. Electrochimica Acta, 2014, 115, 189-196.	2.6	14
64	Manganese consumption during zinc electrowinning using a dynamic process simulation. Hydrometallurgy, 2014, 150, 184-191.	1.8	17
65	Mechanisms of Corrosion and Electrochemical Significance of Metallurgy and Environment with Corrosion of Iron and Steel in Bicarbonate and Carbonate Solutions – A Review. Corrosion, 2014, 70, 880-898.	0.5	52
66	Corrosion film breakdown of galvanized steel in sulphate–chloride solutions. Construction and Building Materials, 2014, 66, 447-457.	3.2	26
67	Corrosion Behavior of Deep Cryogenically Treated AISI 420 and AISI 52100 Steel. Corrosion, 2014, 70, 708-720.	0.5	12
68	Ion release and surface oxide composition of AISI 316L, Co–28Cr–6Mo, and Ti–6Al–4V alloys immersed in human serum albumin solutions. Materials Science and Engineering C, 2014, 40, 435-444.	3.8	35
69	Characterization of anodized titanium for hydrometallurgical applications – Evidence for the reduction of cupric on titanium dioxide. Applied Surface Science, 2013, 283, 705-714.	3.1	9
70	Practical Model for Three-Stage Corrosion Behavior of Galvanized Steel Reinforcement in Soil. Corrosion, 2013, 69, 509-521.	0.5	8
71	Adsorption of Oil onto API-X100 Pipeline Steel in CO ₂ -Saturated Solutions. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2013, 44, 1598-1604.	1.0	3
72	MoS ₂ Nanosheets: A Designed Structure with High Active Site Density for the Hydrogen Evolution Reaction. ACS Catalysis, 2013, 3, 2101-2107.	5.5	340

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73	Influence of temperature on the corrosion behavior of API-X100 pipeline steel in 1-bar CO ₂ -HCO ₃ ^{âˆ’} solutions: An electrochemical study. <i>Materials Chemistry and Physics</i> , 2013, 140, 508-515.	2.0	42
74	Corrosion of the Heat-Affected Zones (HAZs) of API-X100 pipeline steel in dilute bicarbonate solutions at 90âˆ’C âˆ’An electrochemical evaluation. <i>Corrosion Science</i> , 2013, 74, 297-307.	3.0	62
75	Corrosion of ductile iron exhaust brake housing in heavy diesel engines. <i>Engineering Failure Analysis</i> , 2013, 31, 248-254.	1.8	2
76	Potentialâˆ’temperature (Eâˆ’T) diagrams for iron, nickel, and chromium in sulfate solutions up to 473 K. <i>Electrochimica Acta</i> , 2013, 104, 69-77.	2.6	11
77	Effect of de-icing salts on the corrosion performance of galvanized steel in sulphate contaminated soil. <i>Construction and Building Materials</i> , 2013, 40, 908-918.	3.2	37
78	Erosion enhanced corrosion and corrosion enhanced erosion of API X-70 pipeline steel. <i>Wear</i> , 2013, 302, 1592-1601.	1.5	86
79	Corrosion behavior of 2024 aluminum alloy anodized in presence of permanganate and phosphate ions. <i>Journal of Coatings Technology Research</i> , 2013, 10, 219-229.	1.2	38
80	Electrochemical properties of electrodeposited nanocrystalline cobalt and cobaltâˆ’iron alloys in acidic and alkaline solutions. <i>Journal of Applied Electrochemistry</i> , 2013, 43, 721-734.	1.5	11
81	Separation of Copper, Nickel and Cobalt in Sulphate and Chloride Solutions by Solvent Extraction. , 2013, , 1993-1998.		0
82	Selective Precipitation of Cobalt from Ammonia Leach Solutions: Recent Experience at the Corefco Refinery in Fort Saskatchewan. , 2013, , 1803-1808.		0
83	The Role of Electrolyte Hydrodynamic Properties on the Performance of Lead-Based Anodes in Electrometallurgical Processes. <i>Journal of the Electrochemical Society</i> , 2013, 160, E27-E33.	1.3	13
84	Corrosion Characteristics of Alloy 800 in Aqueous Solutions up to 200âˆ’C. <i>Journal of the Electrochemical Society</i> , 2013, 160, C64-C76.	1.3	6
85	Electrochemical Corrosion Behavior of Orthopedic Biomaterials in Presence of Human Serum Albumin. <i>Journal of the Electrochemical Society</i> , 2013, 160, C206-C214.	1.3	28
86	Effect of Microstructure and Temperature on Electrochemical Behavior of Niobium in Phosphate-Buffered Saline Solutions. <i>Journal of the Electrochemical Society</i> , 2013, 160, C1-C11.	1.3	29
87	Anodic Behavior and Corrosion Resistance of the Pb-MnO ₂ Composite Anodes for Metal Electrowinning. <i>Journal of the Electrochemical Society</i> , 2013, 160, C253-C261.	1.3	30
88	Electrochemical Reactions on Metal-Matrix Composite Anodes for Metal Electrowinning. <i>Journal of the Electrochemical Society</i> , 2013, 160, E35-E43.	1.3	29
89	Effect of Some Polyols and Organic Acids on the Current Efficiency and the Cell Voltage During Zinc Electrowinning. , 2013, , 1219-1231.		0
90	High Current Density EMEWâˆ’ Copper Electrowinning. , 2013, , 1369-1380.		0

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91	Polarization Behavior of Lead-Silver Anodes in Zinc Electrowinning Electrolytes. Journal of the Electrochemical Society, 2012, 159, C170-C180.	1.3	31
92	Long-term corrosion investigation of AISI 316L, Coâ€“28Crâ€“6Mo, and Tiâ€“6Alâ€“4V alloys in simulated body solutions. Applied Surface Science, 2012, 258, 6087-6096.	3.1	81
93	Corrosion behaviour of niobium in phosphate buffered saline solutions with different concentrations of bovine serum albumin. Corrosion Science, 2012, 57, 11-21.	3.0	87
94	Electrochemical evaluation of the corrosion behaviour of API-X100 pipeline steel in aerated bicarbonate solutions. Corrosion Science, 2012, 58, 181-191.	3.0	117
95	Construction and characterization of a solution-filled external pressure balanced reference electrode. Corrosion Science, 2012, 63, 174-181.	3.0	13
96	Corrosion of simulated weld HAZ of API X-80 pipeline steel. Corrosion Science, 2012, 63, 323-333.	3.0	121
97	An electrochemical investigation on the effect of the chloride content on CO2 corrosion of API-X100 steel. Corrosion Science, 2012, 64, 37-43.	3.0	53
98	Molten salt induced corrosion of Inconel 625 superalloy in PbSO4â€“Pb3O4â€“PbCl2â€“Fe2O3â€“ZnO environment. Corrosion Science, 2012, 65, 340-359.	3.0	64
99	Characterization of the deposition and transport of magnetite particles in supercritical water. Journal of Supercritical Fluids, 2012, 71, 11-18.	1.6	18
100	Electrodeposited osmium three-dimensional anodes for direct borohydride fuel cells. Journal of Power Sources, 2012, 212, 57-65.	4.0	20
101	Nanocrystalline cobaltâ€“iron alloy: Synthesis and characterization. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 550, 388-394.	2.6	23
102	Electrochemical investigations on the corrosion behavior and corrosion natural inhibition of API-X100 pipeline steel in acetic acid and chloride-containing CO2-saturated media. Journal of Applied Electrochemistry, 2012, 42, 233-248.	1.5	20
103	Electrochemical Quartz Crystal Microbalance Study of Borohydride Electro-Oxidation on Pt: The Effect of Borohydride Concentration and Thiourea Adsorption. Journal of Physical Chemistry C, 2011, 115, 2727-2737.	1.5	36
104	Effects of bovine serum albumin on the corrosion behaviour of AISI 316L, Coâ€“28Crâ€“6Mo, and Tiâ€“6Alâ€“4V alloys in phosphate buffered saline solutions. Corrosion Science, 2011, 53, 3262-3272.	3.0	164
105	EIS study of potentiostatically formed passive film on 304 stainless steel. Electrochimica Acta, 2011, 56, 8727-8733.	2.6	165
106	Kinetics of passive film growth on Alloy 800 in the presence of hydrogen peroxide. Electrochimica Acta, 2011, 58, 743-749.	2.6	20
107	The effects of mixtures of acid mist suppression reagents on zinc electrowinning from spent electrolyte solutions. Hydrometallurgy, 2011, 108, 1-10.	1.8	14
108	<i>In situ</i> monitoring of the effects of hydrogen on Pb(Zr,Ti)O3 structure. Journal of Applied Physics, 2011, 109, .	1.1	26

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109	Corrosion Assessment of Lead Anodes in Nickel Electrowinning. <i>Journal of the Electrochemical Society</i> , 2011, 158, C450.	1.3	21
110	Corrosion properties of electrodeposited cobalt in sulfate solutions containing chloride ions. <i>Electrochimica Acta</i> , 2010, 55, 865-869.	2.6	20
111	Pitting of 316L stainless steel in flare piping of a petrochemical plant. <i>Engineering Failure Analysis</i> , 2010, 17, 810-817.	1.8	24
112	An Investigation on the Effects of Organic Additives on Zinc Electrowinning from Industrial Electrolyte. <i>ECS Transactions</i> , 2010, 28, 267-280.	0.3	7
113	Corrosion of nickel-chromium alloys, stainless steel and niobium at supercritical water oxidation conditions. <i>Corrosion Science</i> , 2010, 52, 118-124.	3.0	52
114	Electrochemical corrosion behaviour of Incoloy 800 in sulphate solutions containing hydrogen peroxide. <i>Corrosion Science</i> , 2010, 52, 4035-4045.	3.0	20
115	Enhancing aluminum corrosion in water. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 1695-1702.	1.5	40
116	The effect of catalyst support on the performance of PtRu in direct borohydride fuel cell anodes. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 1763-1770.	1.5	21
117	Failure analysis of 316L stainless steel tubing of the high-pressure still condenser. <i>Engineering Failure Analysis</i> , 2009, 16, 1432-1441.	1.8	22
118	Effect of Oxygen on the Corrosion Behavior of Alloy 625 from 25 to 200°C. <i>Journal of the Electrochemical Society</i> , 2007, 154, C215.	1.3	21
119	Physicochemical Properties of Alkaline Aqueous Sodium Metaborate Solutions. <i>Journal of Fuel Cell Science and Technology</i> , 2007, 4, 88-98.	0.8	26
120	Corrosion of niobium in sulphuric and hydrochloric acid solutions at 75 and 95°C. <i>Corrosion Science</i> , 2007, 49, 694-710.	3.0	69
121	Corrosion of Titanium and Its Alloys in Sulfuric Acid in the Presence of Chlorides. <i>Journal of the Electrochemical Society</i> , 2006, 153, B6.	1.3	45
122	An electrochemical impedance spectroscopy and polarization study of nanocrystalline Co and Co-P alloy in 0.1M H ₂ SO ₄ solution. <i>Electrochimica Acta</i> , 2006, 51, 1806-1814.	2.6	89
123	Fabrication Using High-Energy Ball-Milling Technique and Characterization of Pt-Co Electrocatalysts for Oxygen Reduction in Polymer Electrolyte Fuel Cells. <i>Journal of Fuel Cell Science and Technology</i> , 2005, 2, 171-178.	0.8	21
124	Bioflotation of Sarcheshmeh copper ore using <i>Thiobacillus Ferrooxidans</i> bacteria. <i>Minerals Engineering</i> , 2005, 18, 371-374.	1.8	52
125	pH-Controlled precipitation of cobalt and molybdenum from industrial waste effluents of a cobalt electrodeposition process. <i>Hydrometallurgy</i> , 2004, 75, 77-90.	1.8	37
126	A study of copper electrowinning parameters using a statistically designed methodology. <i>Journal of Applied Electrochemistry</i> , 2003, 33, 217-225.	1.5	16

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127	Title is missing!. Journal of Applied Electrochemistry, 2003, 33, 1043-1047.	1.5	10
128	Processing of indium: a review. Minerals Engineering, 2003, 16, 687-694.	1.8	356
129	Processing of vanadium: a review. Minerals Engineering, 2003, 16, 793-805.	1.8	776
130	Review of copper pyrometallurgical practice: today and tomorrow. Minerals Engineering, 2003, 16, 893-919.	1.8	156
131	Foaming behavior of surfactants for acid mist control in zinc electrolysis processes. Hydrometallurgy, 2003, 69, 57-72.	1.8	17
132	An investigation on the effects of orthophenylene diamine and sodium lignin sulfonate on zinc electrowinning from industrial electrolyte. Hydrometallurgy, 2003, 69, 99-107.	1.8	33
133	The Effects of Chloride Ions on the Electrowinning of Nickel from Sulfate Electrolytes. Journal of the Electrochemical Society, 2002, 149, C506.	1.3	21
134	Nickel sulphide smelting and electrorefining practice: A review. Mineral Processing and Extractive Metallurgy Review, 2002, 23, 141-180.	2.6	19
135	Nickel laterite processing and electrowinning practice. Minerals Engineering, 2002, 15, 593-605.	1.8	147
136	Title is missing!. Journal of Applied Electrochemistry, 2001, 31, 641-646.	1.5	34
137	The effects of substrate material on the microstructure of pulse-plated Zn-Ni alloys. Surface and Coatings Technology, 1997, 89, 239-244.	2.2	31
138	Microhardness and thermal stability of pulse-plated ZnLi alloy coatings. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1996, 212, 123-129.	2.6	25
139	The role of nickel in the morphology evolution of pulse plated Zn-Ni alloy coatings. Scripta Metallurgica Et Materialia, 1994, 30, 1245-1250.	1.0	20
140	A study of the CO ₂ -O ₂ coal gasification process. Materials at High Temperatures, 1992, 10, 51-59.	0.5	2
141	The Effect of Chloride Ions on the Passive Films of Titanium in Sulfuric Acids. Solid State Phenomena, 0, 227, 67-70.	0.3	4
142	The Sepon Copper Project: Development of a Flowsheet. , 0, , 1487-1502.		7
143	Removal of Phosphorus from Lisakovsky Iron Ore by a Roast-Leach Process. , 0, , 1517-1530.		8
144	Reactions of Carbon Dioxide with Tri-Calcium Aluminate. , 0, , 1705-1715.		4

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145	High Rate Biotechnology to Produce Low Cost Sulphide for the Selective Recovery of Metals from Acid Wastewater - Commercial Case Studies. , 0, , 1847-1859.		0
146	Performance of Intercell Bars for Electrolytic Applications: A Critical Evaluation. , 0, , 1381-1393.		0
147	Adaptation of Dilute Mode Lime Dual Alkali Scrubbing at Stillwater Mining Company's PGM Smelter. , 0, , 1729-1739.		2
148	Prevention of Acid Mine Drainage from Open Pit Highwalls. , 0, , 1861-1871.		0
149	On-Line Analyzers in Hydrometallurgical Applications. , 0, , 1531-1538.		0