

J Herman Potgieter

List of Publications by Year in descending order

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157
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#	ARTICLE	IF	CITATIONS
1	Corrosion resistance of iron-containing experimental titanium alloys exposed to simulated body fluids. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2022, 73, 1298-1307.	1.5	3
2	The Nature of the Passive Layer (and Spalled Corrosion Products) on Nonferrous Alloys in Aqueous Corrosive Media—Editorial. <i>Materials</i> , 2022, 15, 2178.	2.9	0
3	The Influence of REE β^2 -Diketone Complexes on the Corrosion Behaviour of Mild Steel and 304 SS in 3.5% NaCl Solution. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 416.	2.0	1
4	The Kinetics of Pyrite Dissolution in Nitric Acid Solution. <i>Materials</i> , 2022, 15, 4181.	2.9	7
5	A kinetic and thermodynamic investigation into the removal of methyl orange from wastewater utilizing fly ash in different process configurations. <i>Environmental Geochemistry and Health</i> , 2021, 43, 2539-2550.	3.4	32
6	MoS ₂ @ZnO Nanoheterostructures Prepared by Electrospark Erosion for Photocatalytic Applications. <i>Nanomaterials</i> , 2021, 11, 157.	4.1	5
7	Mn-doped Fe ₂ O ₃ /diatomite granular composite as an efficient Fenton catalyst for rapid degradation of an organic dye in solution. <i>Journal of Sol-Gel Science and Technology</i> , 2021, 97, 329-339.	2.4	12
8	The effect of operating conditions on density stratification in a batch jig II: The influence on stratification kinetics. <i>Minerals Engineering</i> , 2021, 164, 106846.	4.3	1
9	Metal Complexes of Multidentate N ₂ S ₂ Heterocyclic Schiff-base Ligands; Formation, Structural Characterisation and Biological Activity. <i>Journal of Physics: Conference Series</i> , 2021, 1879, 022074.	0.4	2
10	Electrochemical Corrosion Behaviour of Different Grades of WC-Co, High-Cr White Cast Irons and Hadfield Steel in 1 M Sulphuric Acid. <i>Materials</i> , 2021, 14, 6130.	2.9	1
11	Application of Nano High-Entropy Alloys to Reduce Energy Consumption and Wear of Copper Oxide and High-Grade Iron Ores in Heavy Mining Industries—A Case Study. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 16.	2.0	4
12	ZIF-11 derived nanoporous carbons with ultrahigh uptakes for capture and reversible storage of volatile iodine. <i>Journal of Solid State Chemistry</i> , 2020, 282, 121108.	2.9	19
13	Thermal preparation and characterization of nanodispersed copper-containing powders produced by non-equilibrium electrochemical oxidation of metals. <i>Solid State Sciences</i> , 2020, 108, 106434.	3.2	2
14	Oxidative leaching of refractory sulphidic gold tailings with an ionic liquid. <i>Minerals Engineering</i> , 2020, 156, 106484.	4.3	13
15	Tris(β^2 -ketoiminato)ruthenium(III) complexes: Electrochemical and computational chemistry study. <i>Electrochimica Acta</i> , 2019, 320, 134635.	5.2	7
16	Improving the Tribological Properties of Ti6Al4V Alloy with Multi-walled Carbon Nanotube Additions. <i>Structural Integrity</i> , 2019, , 55-61.	1.4	2
17	Study on the pre-treatment of oxidized zinc ore prior to flotation. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2018, 25, 117-122.	4.9	16
18	DFT and CV data of 4-phenyl-substituted dichloro(bis{2-[1-(phenyl)-1H-1,2,3-triazol-4-yl- β^3 N]}pyridine- β^1 N})iron(II) coordination compounds. <i>Data in Brief</i> , 2018, 21, 1458-1471.	1.0	0

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19	Jahnâ€Teller distortion in 2-pyridyl-(1,2,3)-triazole-containing copper(ii) compounds. <i>New Journal of Chemistry</i> , 2018, 42, 16335-16345.	2.8	10
20	Chemical and structural data of (1,2,3-triazol-4-yl)pyridine-containing coordination compounds. <i>Data in Brief</i> , 2018, 20, 1397-1408.	1.0	1
21	Dependence of Fracture Patterns in Spark Plasma Sintered Irregular Shaped Ti6Al4V Powders on Sinterification. <i>Procedia Manufacturing</i> , 2017, 7, 567-572.	1.9	4
22	Spark plasma sintering of graphitized multi-walled carbon nanotube reinforced Ti6Al4V. <i>Materials and Design</i> , 2017, 128, 119-129.	7.0	55
23	Interfacial Reaction During High Energy Ball Milling Dispersion of Carbon Nanotubes into Ti6Al4V. <i>Journal of Materials Engineering and Performance</i> , 2017, 26, 6047-6056.	2.5	11
24	Crystal structure of (<i>E</i>)-4-benzylidene-6-phenyl-1,2,3,4,7,8,9,10-octahydrophenanthridine. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 1092-1096.	0.5	2
25	Toxicological and Analytical Assessment of E-Cigarette Refill Components on Airway Epithelia. <i>Science Progress</i> , 2016, 99, 351-398.	1.9	13
26	Dibenzoyl-methane Derivatives as a Potential and Exciting New Therapy for the Treatment of Childhood Bone Cancer. <i>Anticancer Research</i> , 2016, 36, 6043-6050.	1.1	4
27	An optimisation methodology for a supply chain operating under any pertinent conditions of uncertainty - an application with two forms of operational uncertainty, multi-objectivity and fuzziness. <i>International Journal of Operational Research</i> , 2015, 23, 200.	0.2	4
28	Effectiveness of Selective Catalytic Reduction Systems on Reducing Gaseous Emissions from an Engine Using Diesel and Biodiesel Blends. <i>Environmental Science & Technology</i> , 2015, 49, 3246-3251.	10.0	18
29	Dual-Energy X-Ray Absorptiometry for Measurement of Phalangeal Bone Mineral Density on a Slot-Scanning Digital Radiography System. <i>IEEE Transactions on Biomedical Engineering</i> , 2015, 62, 2850-2859.	4.2	9
30	Tribological and Corrosion Behavior of HVOF-Sprayed WC-Co-Based Composite Coatings in Simulated Mine Water Environments. <i>Tribology Transactions</i> , 2015, 58, 337-348.	2.0	18
31	Microwave Irradiated Copolymerization of Xanthan Gum with Acrylamide for Colonic Drug Delivery. <i>BioResources</i> , 2014, 10, .	1.0	24
32	Effect of coupling agents on the degradation of polypropylene/fly ash composites. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	0
33	Properties and performance of a simulated consumer polymer waste-coal combustion byproduct composite material. <i>Polymer Engineering and Science</i> , 2014, 54, 1239-1247.	3.1	6
34	The Corrosion Behaviour of WC-Co-Ru Alloys in Aggressive Chloride Media. <i>International Journal of Electrochemistry</i> , 2014, 2014, 1-11.	2.4	10
35	<i>N</i>,<i>N</i>-Bis(diphenylmethyl)benzene-1,4-diamine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o66-o66.	0.2	1
36	Nâ€²-[(E)-2-Chlorobenzylidene]-2-(6-methoxynaphthalen-2-yl)propanohydrazide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o631-o632.	0.2	1

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37	4-Chloro-N-[(2-chlorobenzylidene)benzohydrazide monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o612-o612.	0.2	3
38	A new polymorph of N-(2-[(1E)-2-hydroxybenzylidene]hydrazinecarbonyl)phenyl)benzamide. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o645-o646.	0.2	0
39	Crystal structure of 1H-imidazol-3-ium 2-(1,3-dioxoisindolin-2-yl)acetate. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o979-o980.	0.2	1
40	Combined ultrasonic and bioleaching treatment of hospital waste incinerator bottom ash with simultaneous extraction of selected metals. Environmental Technology (United Kingdom), 2014, 35, 262-270.	2.2	20
41	Poly(propylene)/Fly Ash Composites: Effect of Coupling Agents on Mechanical Properties and Matrix Crystallinity. Macromolecular Symposia, 2014, 338, 62-71.	0.7	0
42	Effect of fly ash washing conditions on the properties of coupling agent modified polypropylene/fly ash composites. Polymer Composites, 2014, 35, 698-707.	4.6	1
43	Comparison of the structural motifs and packing arrangements of six novel derivatives and one polymorph of 2-(1-phenyl-1H-1,2,3-triazol-4-yl)pyridine. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2014, 70, 379-389.	1.1	10
44	High Temperature Corrosion Resistance of Pt-Based Superalloys in 0.2% SO ₂ -N ₂ Gas. Open Materials Science Journal, 2014, 8, 18-26.	0.2	2
45	Kinetics Studies of Adsorption and Desorption of South African Fly Ash for Some Phenolic Compounds. Particulate Science and Technology, 2013, 31, 1-9.	2.1	14
46	Investigation into the adsorption of a commercial coupling agent for polymers onto pretreated fly ash filler particles. Journal of Applied Polymer Science, 2013, 130, 3985-3992.	2.6	2
47	Carbon Nanotubes Synthesis via Arc Discharge with a Yttria Catalyst. ISRN Nanomaterials, 2013, 2013, 1-7.	0.7	17
48	1-(2-Hydroxyethyl)-3-phenylthiourea. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o1162-o1162.	0.2	0
49	(6Z)-4-Bromo-6-[(2-hydroxyethyl)amino]methylidene}cyclohexa-2,4-dien-1-one. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o1020-o1020.	0.2	0
50	2-(4-Isobutylphenyl)-N-[(3Z)-2-oxoindolin-3-ylidene]propanohydrazide. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o1222-o1223.	0.2	3
51	Dissolution kinetics of quicklime in various organic solvents and solutions. Environmental Technology (United Kingdom), 2012, 33, 1191-1195.	2.2	1
52	Micron- and nanosized FAU-type zeolites from fly ash for antibacterial applications. Journal of Materials Chemistry, 2012, 22, 16897.	6.7	32
53	Integrated analytical techniques for analysing individual environmental particles. Spectroscopic Properties of Inorganic and Organometallic Compounds, 2012, , 123-140.	0.4	0
54	Laser surface treatment to inhibit observed corrosion of reinforcing steel in sulphate: alkaline media. Anti-Corrosion Methods and Materials, 2011, 58, 267-284.	1.5	9

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55	Influence of Ru additions on the corrosion behaviour of WC-Co cemented carbide alloys in sulphuric acid. <i>International Journal of Refractory Metals and Hard Materials</i> , 2011, 29, 478-487.	3.8	53
56	Raman spectroscopy for the analysis of coal: a review. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 123-129.	2.5	230
57	Damage and molecular changes under a laser beam in SEM-EDX/MRS interface: a case study on iron-rich particles. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 808-814.	2.5	12
58	Evaluation of Coupling Agents in Poly(propylene)/Fly Ash Composites: Effect on Processing and Mechanical Properties. <i>Macromolecular Materials and Engineering</i> , 2011, 296, 810-819.	3.6	15
59	A review of non-conventional metals extracting technologies from ore and waste. <i>International Journal of Mineral Processing</i> , 2011, 98, 1-7.	2.6	16
60	Degradation of galvanised iron roofing material in Tanzania by atmospheric corrosion. <i>Corrosion Engineering Science and Technology</i> , 2011, 46, 642-650.	1.4	1
61	The Platinum Development Initiative: Platinum-Based Alloys for High Temperature and Special Applications: Part IV. <i>Platinum Metals Review</i> , 2010, 54, 112-119.	1.2	18
62	Electrochemical and physical characterisation of lead-based anodes in comparison to Ti(70%) IrO ₂ /(30%) Ta ₂ O ₅ dimensionally stable anodes for use in copper electrowinning. <i>Journal of Applied Electrochemistry</i> , 2010, 40, 691-699.	2.9	36
63	Gas phase extraction of iron from its oxide in a fluidized bed reactor. <i>Minerals Engineering</i> , 2010, 23, 58-60.	4.3	4
64	Corrosion resistance of duplex stainless steels in selected organic acids and organic acid/chloride environments. <i>Anti-Corrosion Methods and Materials</i> , 2010, 57, 107-117.	1.5	9
65	Is the micro-Raman-SEM-EDX Combination the Answer to Surface Analysis? A Case Study of Atmospheric Corrosion. , 2010, , .		0
66	Behavior of Semi-volatile Particles under a Laser and Electron Beam—Influence on the Quality of Analytical Results. , 2010, , .		0
67	The corrosion behaviour of WC-VC-Co hardmetals in acidic media. <i>Corrosion Science</i> , 2010, 52, 3118-3125.	6.6	63
68	Corrosion of Passive Alloys: The Effect of Noble Metal Additions. , 2010, , 2224-2249.		8
69	INVESTIGATIONS ON THE MECHANISMS OF SULFURIC ACID LEACHING OF CHALCOPYRITE IN THE PRESENCE OF HYDROGEN PEROXIDE. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2009, 30, 327-345.	5.0	37
70	Effects of minor additions of ruthenium on the passivation of duplex stainless-steel corrosion in concentrated hydrochloric acid solutions. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 1385-1392.	2.9	46
71	Corrosion behaviour of superferritic stainless steels cathodically modified with minor additions of ruthenium in sulphuric and hydrochloric acids. <i>Materials & Design</i> , 2009, 30, 1451-1457.	5.1	33
72	The beneficial effect of ruthenium additions on the passivation of duplex stainless steel corrosion in sodium chloride solutions. <i>Corrosion Science</i> , 2009, 51, 1364-1371.	6.6	79

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73	Electrochemical studies on interplay of mineralogical variation and particle size on bioleaching low grade complex sulphide ores. Transactions of Nonferrous Metals Society of China, 2009, 19, 1312-1325.	4.2	13
74	Mineralogical characterization of Ishiagu (Nigeria) complex sulphide ore. International Journal of Mineral Processing, 2008, 87, 83-89.	2.6	24
75	Influence of nickel additions on the corrosion behaviour of low nitrogen 22% Cr series duplex stainless steels. Corrosion Science, 2008, 50, 2572-2579.	6.6	153
76	Role of ore mineralogy in optimizing conditions for bioleaching low-grade complex sulphide ores. Transactions of Nonferrous Metals Society of China, 2008, 18, 1234-1246.	4.2	21
77	Effectiveness of biohydrometallurgy for sustainable development in the African minerals industry: a case study with a low grade ore from Nigeria. Institutions of Mining and Metallurgy Transactions Section C: Mineral Processing and Extractive Metallurgy, 2008, 117, 231-235.	0.6	1
78	Corrosion of hot end automotive exhaust components. Anti-Corrosion Methods and Materials, 2007, 54, 180-187.	1.5	8
79	Fingerprinting of South African ordinary Portland cements, cement blends and mortars for identification purposes – Discrimination with starplots and PCA. Cement and Concrete Research, 2007, 37, 834-843.	11.0	6
80	Effects of ore mineralogy on the microbial leaching of low grade complex sulphide ores. Hydrometallurgy, 2007, 86, 96-104.	4.3	35
81	Influence of microwave heating on the processing and dissolution behaviour of low-grade complex sulphide ores. Hydrometallurgy, 2007, 89, 127-135.	4.3	37
82	Assessment of heavy metals pollution in Sudanese harbours along the Red Sea Coast. Microchemical Journal, 2007, 87, 104-112.	4.5	65
83	INFLUENCE OF APPLIED MINERALOGY IN DEVELOPING AN OPTIMAL HYDROMETALLURGICAL PROCESSING ROUTE FOR COMPLEX SULPHIDE ORES. Mineral Processing and Extractive Metallurgy Review, 2006, 27, 143-158.	5.0	20
84	The application of Raman spectrometry to investigate and characterize cement, Part I: A review. Cement and Concrete Research, 2006, 36, 656-662.	11.0	89
85	The application of Raman spectrometry to the investigation of cement. Cement and Concrete Research, 2006, 36, 663-670.	11.0	52
86	The effect of milling and percentage dissociation of plasma dissociated zircon on the colour of Pr-yellow and V-blue zircon pigments. Journal of the European Ceramic Society, 2006, 26, 1599-1603.	5.7	10
87	Distribution of atmospheric marine salt depositions over Continental Western Europe. Marine Pollution Bulletin, 2006, 52, 606-611.	5.0	19
88	Heavy metals removal from solution by palygorskite clay. Minerals Engineering, 2006, 19, 463-470.	4.3	286
89	Comparison of limestone, dolomite and fly ash as pre-treatment agents for acid mine drainage. Minerals Engineering, 2006, 19, 454-462.	4.3	84
90	An investigation into the feasibility of recovering valuable metals from solid oxide compounds by gas phase extraction in a fluidised bed. Minerals Engineering, 2006, 19, 140-146.	4.3	5

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91	Metakaolin as an Extender in South African Cement. Journal of Materials in Civil Engineering, 2006, 18, 619-623.	2.9	26
92	Replacing Limestone and Linseed Oil in the Synthesis of Putty. Journal of Applied Sciences, 2006, 6, 1009-1016.	0.3	5
93	REFRACTORY PROPERTIES OF INSULATING MATERIALS FROM SECONDARY CEMENTITIOUS MATERIALS (SCMs). , 2005, , 177-184.		0
94	Micro-structural characterization of black crust and laser cleaning of building stones by micro-Raman and SEM techniques. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 61, 2460-2467.	3.9	63
95	Investigation of the chemical composition of $(Na_{1-x}Bi_x)(Mn_yNb_{1-y})O_3$ ceramics by single particle electron probe X-ray microanalysis with an application of Monte Carlo simulations. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2005, 60, 525-530.	2.9	9
96	A characterisation of the surface properties of an ultra fine fly ash (UFFA) used in the polymer industry. Fuel, 2005, 84, 2295-2300.	6.4	28
97	An evaluation of selected waste resources for utilization in ceramic materials applications. Journal of the European Ceramic Society, 2005, 25, 3145-3149.	5.7	45
98	Removal of Iron and Manganese from Water with a High Organic Carbon Loading. Part I: The Effect of Various Coagulants. Water, Air, and Soil Pollution, 2005, 162, 49-59.	2.4	12
99	Removal of Iron and Manganese from Water with a High Organic Carbon Loading. Part II: The Effect of Various Adsorbents and Nanofiltration Membranes. Water, Air, and Soil Pollution, 2005, 162, 61-70.	2.4	10
100	Investigation into methods of chloride analysis of South African cement and cement-related materials with low chloride concentrations. Materials and Structures/Materiaux Et Constructions, 2004, 37, 155-160.	3.1	1
101	Use of a simplified generalized standard additions method for the analysis of cement, gypsum and basic slag by slurry nebulization ICP-OES. Analytical and Bioanalytical Chemistry, 2004, 379, 104-107.	3.7	21
102	A thermogravimetric analysis study of volatilization of flux mixtures used in XRF sample preparation. X-Ray Spectrometry, 2004, 33, 212-215.	1.4	19
103	A comparison of the performance of various synthetic gypsums in plant trials during the manufacturing of OPC clinker. Cement and Concrete Research, 2004, 34, 2245-2250.	11.0	30
104	Reply to the discussion by A. Demirbas of the paper "The removal of phosphate ions from aqueous solution by fly ash, slag, ordinary Portland cement and related blends". Cement and Concrete Research, 2003, 33, 937.	11.0	7
105	An investigation into the effect of various chemical and physical treatments of a South African phosphogypsum to render it suitable as a set retarder for cement. Cement and Concrete Research, 2003, 33, 1223-1227.	11.0	77
106	Determination of hexavalent chromium in South African cements and cement-related materials with electrothermal atomic absorption spectrometry. Cement and Concrete Research, 2003, 33, 1589-1593.	11.0	34
107	Fingerprinting of South African cement clinkers and gypsum as a tool for cement identification purposes. Advances in Cement Research, 2003, 15, 45-50.	1.6	2
108	An empirical study of factors influencing lime slaking. Part II: lime constituents and water composition. Water S A, 2003, 29, 157.	0.4	22

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109	An evaluation of the incorporation of a titanium dioxide producer's waste material in Portland cement clinker. <i>Materials Letters</i> , 2002, 57, 157-163.	2.6	29
110	The influence of chloride and sulphate ions on the slaking rate of lime derived from different limestone deposits in South Africa. <i>Water S A</i> , 2002, 28, 45.	0.4	9
111	An empirical study of factors influencing lime slaking. Part I: production and storage conditions. <i>Minerals Engineering</i> , 2002, 15, 201-203.	4.3	21
112	Stabilisation of a ferro-industry waste in various solid matrices. <i>Journal of Chemical Technology and Biotechnology</i> , 2002, 77, 311-314.	3.2	1
113	The removal of phosphate ions from aqueous solution by fly ash, slag, ordinary Portland cement and related blends. <i>Cement and Concrete Research</i> , 2002, 32, 1889-1897.	11.0	193
114	Quantitative Determination of CaCO ₃ in Cement Blends by FT-IR. <i>Applied Spectroscopy</i> , 2001, 55, 361-365.	2.2	29
115	Proposed modifications to the method for the determination of available lime. <i>Minerals Engineering</i> , 2001, 14, 515-523.	4.3	2
116	A plant investigation into the use of treated phosphogypsum as a set-retarder in OPC and an OPC/fly ash blend. <i>Minerals Engineering</i> , 2001, 14, 791-795.	4.3	8
117	Rapid determination of CaCO ₃ in mixtures utilising FT-IR spectroscopy. <i>Minerals Engineering</i> , 2001, 14, 1107-1111.	4.3	96
118	Effect of surface alloyed silver on corrosion behaviour of austenitic stainless steel in sulphuric acid. <i>Surface Engineering</i> , 2001, 17, 71-74.	2.2	4
119	An investigation of phosphate ion adsorption from aqueous solution by fly ash and slag. <i>Cement and Concrete Research</i> , 2000, 30, 823-826.	11.0	99
120	Dehydration behaviour of a natural gypsum and a phosphogypsum during milling. <i>Thermochimica Acta</i> , 1999, 332, 89-96.	2.7	46
121	Thermogravimetric analysis of the reaction between carbon and CaSO ₄ ·2H ₂ O, gypsum and phosphogypsum in an inert atmosphere. <i>Thermochimica Acta</i> , 1999, 340-341, 431-437.	2.7	79
122	Determination of the clay index of limestone with methylene blue adsorption using a UV-VIS spectrophotometric method. <i>Cement and Concrete Research</i> , 1999, 29, 1815-1817.	11.0	5
123	Oxidation and corrosion behaviour of Fe-Cr and Fe-Cr-Al alloys with minor alloying additions. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1998, 241, 264-276.	5.6	60
124	Surface composition of Ru containing duplex stainless steel after passivation in non-oxidizing media. <i>Applied Surface Science</i> , 1998, 136, 29-35.	6.1	15
125	Thermogravimetric studies of the synthesis of cas from gypsum, CaSo ₄ ·2H ₂ O and phosphogypsum. <i>Journal of Theoretical Biology</i> , 1997, 49, 1501-1507.	1.7	26
126	Comparative study of surface properties of austenitic stainless steels in sulfuric and hydrochloric acid solutions. <i>Electrochimica Acta</i> , 1997, 42, 25-35.	5.2	35

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127	Thermogravimetric and X-ray powder diffraction analysis of precipitator dust from a rotating lime kiln. <i>Cement and Concrete Research</i> , 1996, 26, 1269-1276.	11.0	7
128	The thermal dehydration of natural gypsum and pure calcium sulphate dihydrate (gypsum). <i>Thermochimica Acta</i> , 1996, 282-283, 483-492.	2.7	53
129	An investigation into the correlation between different surface area determination techniques applied to various limestone-related compounds. <i>Cement and Concrete Research</i> , 1996, 26, 1613-1617.	11.0	10
130	Corrosion behaviour of duplex stainless steels containing minor ruthenium additions in reducing acid media. <i>Journal of Applied Electrochemistry</i> , 1996, 26, 1103.	2.9	15
131	The effect of ruthenium on the corrosion behaviour of a 22 mass% chromium ferritic stainless steel in 1 m sulphuric acid. <i>Journal of Materials Science Letters</i> , 1996, 15, 1408-1411.	0.5	4
132	Corrosion Behavior of a High-Chromium Duplex Stainless Steel with Minor Additions of Ruthenium in Sulfuric Acid. <i>Corrosion</i> , 1995, 51, 312-320.	1.1	10
133	The Effect of Varying Ruthenium Content on the Corrosion Behaviour of Two Cathodically Modified Superferritic Stainless Steels. <i>Canadian Metallurgical Quarterly</i> , 1995, 34, 143-146.	1.2	2
134	Magnetic investigations of stainless steels. <i>International Journal of Pressure Vessels and Piping</i> , 1995, 61, 471-478.	2.6	5
135	The role of Ru in improving Schottky and ohmic contacts to InP. <i>Vacuum</i> , 1995, 46, 893-897.	3.5	7
136	The thermal dehydration of synthetic gypsum. <i>Thermochimica Acta</i> , 1995, 269-270, 631-638.	2.7	67
137	Investigation of the Active Dissolution Behaviour of a 22% Chromium Duplex Stainless Steel with Small Ruthenium Additions in Sulphuric Acid.. <i>ISIJ International</i> , 1995, 35, 197-202.	1.4	13
138	Investigation of Spontaneous Passivation of Stainless Steels Modified with Ruthenium. <i>Materials Science Forum</i> , 1995, 185-188, 759-768.	0.3	11
139	The effect of varying ruthenium content on the corrosion behaviour of two cathodically modified superferritic stainless steels. <i>Canadian Metallurgical Quarterly</i> , 1995, 34, 143-146.	1.2	3
140	Isomers of Benzene. <i>Journal of Chemical Education</i> , 1994, 71, 222.	2.3	23
141	The nature of the passive film on cathodically modified stainless steels. <i>Journal of Applied Electrochemistry</i> , 1993, 23, 11-18.	2.9	14
142	Potentiostatic etching of duplex stainless steels and high chromium white cast irons. <i>Materials Science and Technology</i> , 1993, 9, 336-342.	1.6	3
143	Influence of $\text{I}\gamma$ phase on general and pitting corrosion resistance of SAF 2205 duplex stainless steel. <i>Corrosion Engineering Science and Technology</i> , 1992, 27, 219-223.	0.3	43
144	Effects of Vapour Deposited and Bulk Alloyed Ruthenium on Corrosion Resistance of a Duplex Stainless Steel in Sulphuric Acid. <i>Surface Engineering</i> , 1992, 8, 289-291.	2.2	9

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145	Benzene isomers? (the author replies). Journal of Chemical Education, 1992, 69, 859.	2.3	1
146	Experimental study of quantitative phase characterization in duplex stainless steels by potentiostatic etching. Journal of Materials Science, 1992, 27, 3667-3679.	3.7	3
147	Acid and base dissociation constants of water and its associated ions. Journal of Chemical Education, 1991, 68, 304.	2.3	7
148	Adsorption of methylene blue on activated carbon: An experiment illustrating both the Langmuir and Freundlich isotherms. Journal of Chemical Education, 1991, 68, 349.	2.3	61
149	The diverse nature of the C ₆ H ₆ molecule. Journal of Chemical Education, 1991, 68, 280.	2.3	8
150	The effect of temperature and nitrogen content on the partitioning of alloy elements in duplex stainless steels. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1991, 22, 2173-2179.	1.4	34
151	Determination of the microstructure and alloy element distribution in experimental duplex stainless steels. Materials Characterization, 1991, 26, 155-165.	4.4	14
152	Alloys cathodically modified with noble metals. Journal of Applied Electrochemistry, 1991, 21, 471-482.	2.9	40
153	An experimental study of the adsorption behaviour of methylene blue on activated carbon. Colloids and Surfaces, 1990, 50, 393-399.	0.9	8
154	Cathodic modification as a means of improving the corrosion resistance of alloys. Journal of Applied Electrochemistry, 1990, 20, 711-715.	2.9	37
155	Spectrophotometric determination of the reaction stoichiometry of the reduction of octacyanotungstate(V) by hydroxylamine in acidic and basic media. Polyhedron, 1989, 8, 2213-2214.	2.2	1
156	The crystal structure of 1,1,1-trifluoro-5,5,5-trimethylpentanedionatocarbonyltriphenylphosphinerhodium(I). Inorganica Chimica Acta, 1986, 117, L3-L5.	2.4	15
157	The quantification of di- <i>n</i> -octyl terephthalate and calcium carbonate in polyvinyl chloride using Fourier transform infrared and Raman spectroscopy. Journal of Applied Polymer Science, 0, , 52372.	2.6	0