

David John Young

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Corrosion behaviour of Fe-25Cr alloy in wet CO ₂ gas at 650°C: Effects of chloride deposits and Si+Mn alloying addition. Corrosion Science, 2022, 195, 110001.	6.6	9
2	Effect of Temperature on Corrosion Behaviour of Fe-Cr Alloys in Wet CO ₂ With and Without HCl Gases. Oxidation of Metals, 2022, 97, 371-400.	2.1	7
3	Silicon Contamination During Alloy Oxidation in Water Vapour at 650°C. Oxidation of Metals, 2022, 97, 559-574.	2.1	6
4	Effects of Sulphate Deposits on Corrosion Behaviour of Fe-Based Alloys in Wet CO ₂ Gas at 750°C. Oxidation of Metals, 2021, 95, 23-43.	2.1	9
5	Effect of silicon on corrosion of Fe-20Cr and Fe-20Cr-20Ni alloys in wet CO ₂ with and without HCl at 650 °C. Corrosion Science, 2021, 179, 109096.	6.6	18
6	Effects of sulphate deposits on corrosion behaviour of Ni-base alloys in wet CO ₂ gas at 750 °C. Corrosion Science, 2021, 181, 109227.	6.6	8
7	The Effect of Water Vapor on NiO Formation by Ni-Cr Alloys at 650°C (HTCPM Focus Issue, FNS-111). Oxidation of Metals, 2021, 96, 57-68.	2.1	7
8	Corrosion Behavior of Cr-Containing Alloys under Cyclic Reaction in Wet CO ₂ Gas at 650°C. Oxidation of Metals, 2021, 96, 105-116.	2.1	1
9	Morphology of oxide scales formed on chromium-silicon alloys at high temperatures. Corrosion Science, 2020, 176, 109023.	6.6	19
10	Effects of Fe on oxidation of Ni-20Cr and Ni-30Cr alloys at 800°C in dry CO ₂ gas. Corrosion Science, 2020, 173, 108777.	6.6	8
11	Corrosion behaviour of Ni-Cr alloys in mixed oxidising gases at 650°C. Corrosion Science, 2020, 174, 108801.	6.6	25
12	Effect of Hydrogen Chloride on Corrosion Behaviour of Fe-Cr Alloys in Wet CO ₂ Gas at 650°C. Oxidation of Metals, 2020, 94, 51-80.	2.1	14
13	Effects of Fe on Oxidation of Ni-20Cr and Ni-30Cr Alloys at 800°C in Wet CO ₂ Gas. Oxidation of Metals, 2020, 94, 219-233.	2.1	4
14	Effects of Si, Al and Ti on corrosion of Ni-20Cr and Ni-30Cr alloys in Ar-20CO ₂ -20H ₂ O gas at 700°C. Corrosion Science, 2020, 170, 108702.	6.6	8
15	Oxidation behavior of Ni-Al coating with and without a Ni-Re diffusion barrier in dry CO ₂ gas at 650°C. Corrosion Science, 2019, 149, 236-243.	6.6	9
16	Effect of Fe on corrosion of Ni-20Cr and Ni-30Cr alloys in wet CO ₂ gas at 650 and 700°C. Corrosion Science, 2019, 154, 129-143.	6.6	23
17	The CU PAO: A Minimally Invasive, 2-Incision, Interlocking Periacetabular Osteotomy. Journal of Bone and Joint Surgery - Series A, 2019, 101, 1495-1504.	3.0	18
18	Corrosion behaviour of Ni-Cr alloys in wet CO ₂ atmosphere at 700 and 800°C. Corrosion Science, 2019, 146, 28-43.	6.6	32

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19	Growth of Cr ₂ O ₃ blades during alloy scaling in wet CO ₂ gas. Corrosion Science, 2018, 133, 432-442.	6.6	20
20	Corrosion Behaviour of Fe-Cr (Mn, Si) Ferritic Alloys in Wet and Dry CO ₂ -SO ₂ Atmospheres at 650 °C. Oxidation of Metals, 2018, 90, 97-118.	2.1	14
21	Atom probe study of impurity segregation at grain boundaries in chromia scales grown in CO ₂ gas. Corrosion Science, 2018, 132, 125-135.	6.6	42
22	Resistance of High-Nickel, Heat-Resisting Alloys to Air and to Supercritical CO ₂ at High Temperatures. Oxidation of Metals, 2018, 90, 1-25.	2.1	30
23	Water vapour effects on corrosion of Ni-Cr alloys in CO ₂ gas at 650 °C. Corrosion Science, 2018, 136, 311-325.	6.6	23
24	Effects of Si, Mn, and water vapour on the microstructure of protective scales grown on Fe-20Cr in CO ₂ gas. Materials at High Temperatures, 2018, 35, 22-29.	1.0	8
25	Oxygen solubility in austenitic Fe-Ni alloys at high temperatures. Journal of Alloys and Compounds, 2018, 732, 646-654.	5.5	15
26	Effect of Sulphur on the Oxidation Behaviour of Possible Construction Materials for Heat Exchangers in Oxyfuel Plants in the Temperature Range 550-700 °C. Oxidation of Metals, 2018, 89, 651-681.	2.1	21
27	Effects of Si, Al and Ti on corrosion of Ni-20Cr and Ni-30Cr alloys in Ar-20CO ₂ at 700 °C. Corrosion Science, 2018, 130, 161-176.	6.6	27
28	Alloy Corrosion by Hot CO ₂ Gases. Jom, 2018, 70, 1493-1501.	1.9	25
29	Performance of an FeCrAl alloy in a high-temperature CO ₂ environment. Corrosion Science, 2018, 139, 267-274.	6.6	18
30	(Invited) High Temperature Corrosion of Chromia-Forming Alloys By CO ₂ : Effects of H ₂ O and SO ₂ . ECS Meeting Abstracts, 2018, . .	0.0	0
31	Oxygen permeability of Fe-Ni-Cr alloys at 1100 and 1150 °C under carbon-free and carbon-containing gases. Materials and Corrosion - Werkstoffe Und Korrosion, 2017, 68, 197-204.	1.5	11
32	Effect of alloy composition on the oxidation-induced boron depletion in cast Ni-base superalloy components. Materials and Corrosion - Werkstoffe Und Korrosion, 2017, 68, 171-185.	1.5	15
33	Internal Oxidation in Dry and Wet Conditions for Oxygen Permeability of Fe-Ni Alloys at 1150 and 1100 °C. Oxidation of Metals, 2017, 87, 273-283.	2.1	13
34	Oxidation Behavior of Ni-Cr Alloys in CO ₂ at 700 °C. Oxidation of Metals, 2017, 87, 605-616.	2.1	20
35	Impact of the clusterization on the solubility of oxygen and vacancy concentration in nickel: A multi-scale approach. Journal of Alloys and Compounds, 2017, 708, 1063-1072.	5.5	12
36	On the breakaway oxidation of Fe ₉ Cr ₁ Mo steel in high pressure CO ₂ . Acta Materialia, 2017, 130, 361-374.	7.9	53

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37	Corrosion resistance of chromised and aluminised coatings in wet CO ₂ gas at 650 °C. Surface and Coatings Technology, 2017, 316, 226-238.	4.8	18
38	Effects of Silicon and Water Vapour on Corrosion of Fe-20Cr and Fe-20Cr-20Ni Alloys in CO ₂ at 650°C. Oxidation of Metals, 2017, 87, 541-573.	2.1	49
39	Effect of Temperature on Oxidation Behaviour of Ni-Cr Alloys in CO ₂ Atmosphere. ECS Transactions, 2017, 75, 19-35.	0.5	5
40	Temperature Effect on Oxidation Behavior of Ni-Cr Alloys in CO ₂ Gas Atmosphere. Journal of the Electrochemical Society, 2017, 164, C285-C293.	2.9	35
41	Mixed Gas Corrosion of Pure Metals. , 2016, , 145-191.		2
42	Corrosion by Sulphur. , 2016, , 393-430.		4
43	Enabling Theory. , 2016, , 31-84.		6
44	Corrosion by Carbon. , 2016, , 431-493.		0
45	Alloy Oxidation III. , 2016, , 335-392.		6
46	Oxidation of Alloys I. , 2016, , 193-260.		7
47	Alloy Oxidation II. , 2016, , 261-333.		6
48	The Nature of High Temperature Oxidation. , 2016, , 1-30.		55
49	Oxidation of Pure Metals. , 2016, , 85-144.		4
50	Corrosion by Carbon Dioxide. , 2016, , 495-547.		3
51	Effects of Water Vapour on Oxidation. , 2016, , 549-601.		10
52	Cyclic Oxidation. , 2016, , 647-683.		1
53	Alloy Design. , 2016, , 685-701.		0
54	Effect of Mn on oxide formation by Fe-Cr and Fe-Cr-Ni alloys in dry and wet CO ₂ gases at 650 °C. Corrosion Science, 2016, 112, 110-127.	6.6	58

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55	High temperature corrosion of Fe-Cr-(Mn/Si) alloys in CO ₂ -H ₂ O-SO ₂ gases. Corrosion Science, 2016, 112, 214-225.	6.6	33
56	Corrosion in Complex Environments. , 2016, , 603-645.		0
57	Sulfur Effect on Corrosion Behavior of Fe-20Cr-(Mn, Si) and Fe-20Ni-20Cr-(Mn, Si) in CO ₂ -H ₂ O at 650Å°C. Journal of the Electrochemical Society, 2016, 163, C106-C115.	2.9	17
58	Water Vapor Effects on Corrosion of Feâ€“Cr and Feâ€“Crâ€“Ni Alloys Containing Silicon in CO ₂ Gas at 818Å°C. Oxidation of Metals, 2015, 83, 575-594.	2.1	30
59	Corrosion of Feâ€“9Crâ€“(Mn, Si) alloys in CO ₂ â€“H ₂ Oâ€“SO ₂ gases. Corrosion Science, 2015, 98, 516-529.	6.6	36
60	Microstructures of chromia scales grown in CO ₂ . Materials at High Temperatures, 2015, 32, 16-21.	1.0	26
61	Oxygen Permeability Measurements in Ni Using H ₂ /H ₂ O, CO/CO ₂ and Ni/NiO Rhines Pack Atmospheres. Oxidation of Metals, 2015, 83, 223-235.	2.1	24
62	Boron Depletion in a Nickel Base Superalloy Induced by High Temperature Oxidation. Oxidation of Metals, 2015, 83, 393-413.	2.1	27
63	Effects of cerium and manganese on corrosion of Feâ€“Cr and Feâ€“Crâ€“Ni alloys in Arâ€“20CO ₂ and Arâ€“20CO ₂ â€“20H ₂ O gases at 650 Å°C. Corrosion Science, 2015, 100, 448-465.	6.6	47
64	Interpreting atom probe data from chromium oxide scales. Ultramicroscopy, 2015, 159, 354-359.	1.9	29
65	Alloys SS316 and Hastelloy-C276 in Supercritical CO ₂ at High Temperature. Oxidation of Metals, 2015, 84, 585-606.	2.1	62
66	Effects of water vapour on the high temperature nitridation of chromium. Materials and Corrosion - Werkstoffe Und Korrosion, 2014, 65, 260-266.	1.5	21
67	Effects of Silicon on High Temperature Corrosion of Feâ€“Cr and Feâ€“Crâ€“Ni Alloys in Carbon Dioxide. Oxidation of Metals, 2014, 81, 549-574.	2.1	85
68	Water vapour effects on corrosion of Feâ€“Cr and Feâ€“Crâ€“Ni alloys containing cerium and manganese in CO ₂ gas at 818 Å°C. Corrosion Science, 2014, 89, 220-235.	6.6	49
69	Mechanisms of Oxide Scale Formation on Ferritic Interconnect Steel in Simulated Low and High pO ₂ Service Environments of Solid Oxide Fuel Cells. Oxidation of Metals, 2014, 82, 123-143.	2.1	43
70	Non-steady state carburisation of martensitic 9â€“12%Cr steels in CO ₂ rich gases at 550Å°C. Corrosion Science, 2014, 88, 161-169.	6.6	61
71	Penetration of protective chromia scales by carbon. Scripta Materialia, 2014, 77, 29-32.	5.2	113
72	Water Vapour Effects on FeO Scale Growth: Differences Between Iron and Steel. Oxidation of Metals, 2013, 79, 445-460.	2.1	16

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73	Slow Transition from Protective to Breakaway Oxidation of Haynes 214 Foil at High Temperature. Oxidation of Metals, 2013, 79, 405-427.	2.1	26
74	Nano-crystalline coating to improve cyclic oxidation resistance of 304 stainless steel. Surface and Coatings Technology, 2013, 217, 162-171.	4.8	18
75	Kinetics of breakaway oxidation of Fe-Cr and Fe-Cr-Ni alloys in dry and wet carbon dioxide. Corrosion Science, 2013, 77, 246-256.	6.6	57
76	Effects of cerium and manganese on corrosion of Fe-Cr and Fe-Cr-Ni alloys in Ar-20CO ₂ gas at 818°C. Corrosion Science, 2013, 76, 231-242.	6.6	60
77	Oxidation and carburisation of Fe-6Al/Fe-6Al-3Si in dry and wet CO ₂ gases. Corrosion Science, 2013, 74, 256-264.	6.6	7
78	Martensite formation in Fe-9Cr alloys exposed to low carbon activity gas. Scripta Materialia, 2013, 69, 9-12.	5.2	16
79	Effect of Copper on the Dusting of Fe-Ni Alloys. ECS Transactions, 2012, 41, 37-46.	0.5	1
80	Active Oxidation of Liquid Silicon: Experimental Investigation of Kinetics. Oxidation of Metals, 2012, 78, 363-376.	2.1	16
81	Oxidation of Fe-Si, Fe-Al and Fe-Si-Al alloys in CO ₂ -H ₂ O gas at 800°C. Corrosion Science, 2012, 54, 127-138.	6.6	31
82	Contributions of carbon permeation and graphite nucleation to the austenite dusting reaction: A study of model Fe-Ni-Cu alloys. Corrosion Science, 2012, 56, 184-193.	6.6	11
83	Mechanism of breakaway oxidation of Fe-Cr and Fe-Cr-Ni alloys in dry and wet carbon dioxide. Corrosion Science, 2012, 64, 222-222.	6.6	20
84	Metal Dusting: Catastrophic Corrosion by Carbon. Jom, 2012, 64, 1461-1469.	1.9	16
85	Effects of water vapour and oxygen partial pressures on low carbon steel oxidation in N ₂ -H ₂ -H ₂ O mixtures. Materials and Corrosion - Werkstoffe Und Korrosion, 2012, 63, 869-877.	1.5	9
86	Metal Dusting of Alumina-Forming Creep-Resistant Austenitic Stainless Steels. Oxidation of Metals, 2012, 77, 167-187.	2.1	12
87	A Simple Expression for Predicting the Oxidation Limited Life of Thin Components Manufactured from FCC High Temperature Alloys. Oxidation of Metals, 2012, 77, 253-264.	2.1	29
88	Temperature Effects on the Oxidation of Low Carbon Steel in N ₂ -H ₂ -H ₂ O at 800-1200°C. Oxidation of Metals, 2012, 77, 305-323.	2.1	12
89	Temperature dependence of oxide scale formation on high-Cr ferritic steels in Ar-H ₂ -H ₂ O. Corrosion Science, 2011, 53, 2131-2141.	6.6	90
90	Carburisation of ferritic Fe-Cr alloys by low carbon activity gases. Corrosion Science, 2011, 53, 2767-2777.	6.6	139

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91	Influence of Hafnium Additions and Preoxidation Treatment on the Metal Dusting of Ni-Al Alloys. Oxidation of Metals, 2011, 76, 287-305.	2.1	7
92	Effect of Zr Additions on the Oxidation Kinetics of FeCrAlY Alloys in Low and High pO ₂ Gases. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 1173-1183.	2.2	19
93	Recent advances in understanding metal dusting: A review. Materials and Corrosion - Werkstoffe Und Korrosion, 2011, 62, 7-28.	1.5	116
94	Metal dusting behaviour of several nickel and cobalt base alloys in CO ₂ /H ₂ O atmosphere. Materials and Corrosion - Werkstoffe Und Korrosion, 2011, 62, 521-530.	1.5	6
95	Effect of water vapour on cyclic oxidation of Fe-Cr alloys. Materials and Corrosion - Werkstoffe Und Korrosion, 2011, 62, 496-503.	1.5	12
96	Oxidation of Fe-Si alloys in CO ₂ /H ₂ O atmospheres. Materials at High Temperatures, 2011, 28, 297-301.	1.0	7
97	Metal Dusting of Nickel-Aluminium Alloys. Oxidation of Metals, 2010, 73, 255-274.	2.1	8
98	Water Vapour Effects on Fe-Cr Alloy Oxidation. Oxidation of Metals, 2010, 73, 337-352.	2.1	72
99	Oxidation kinetics of Y-doped FeCrAl alloys in low and high pO ₂ gases. Materials and Corrosion - Werkstoffe Und Korrosion, 2010, 61, 838-844.	1.5	55
100	Oxidation resistance of Pt-modified β -Ni-Al at 1150°C. Surface and Coatings Technology, 2010, 204, 2051-2054.	4.8	11
101	High Temperature Corrosion of Fe-Cr, Fe-Al, Fe-Si and Fe-Si-Al Alloys in CO ₂ -H ₂ O Gases. Materials Science Forum, 2010, 654-656, 1948-1951.	0.3	3
102	Simultaneous Corrosion of Fe-Si Alloys by Carbon and Oxygen. Journal of the Electrochemical Society, 2010, 157, C375.	2.9	10
103	Carburization and Metal Dusting. , 2010, , 272-303.		6
104	Subsurface microstructural changes in a cast heat resisting alloy caused by high temperature corrosion. Corrosion Science, 2010, 52, 255-262.	6.6	28
105	Temperature and water vapour effects on the cyclic oxidation behaviour of Fe-Cr alloys. Corrosion Science, 2010, 52, 2827-2836.	6.6	48
106	Internal oxidation and metal dusting of Fe-Si alloys. Corrosion Science, 2010, 52, 3280-3286.	6.6	18
107	Simultaneous Oxidation and Metal Dusting of Fe-Si Alloys. ECS Transactions, 2009, 25, 57-69.	0.5	2
108	Surface orientation effects on initial carbon deposition and metal dusting of nickel. Materials at High Temperatures, 2009, 26, 45-55.	1.0	7

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109	Understanding Metal Dusting Mechanisms. ECS Transactions, 2009, 16, 3-15.	0.5	10
110	Effect of gas composition on coking and metal dusting of 2.25Cr-1Mo steel compared with iron. Corrosion Science, 2009, 51, 2983-2993.	6.6	12
111	Effects of water vapour on isothermal oxidation of chromia-forming alloys in Ar/O ₂ and Ar/H ₂ atmospheres. Corrosion Science, 2009, 51, 3039-3049.	6.6	90
112	Carbon Permeability of Nickel and Ni-Cu Alloys. Oxidation of Metals, 2008, 70, 15-24.	2.1	12
113	Coking and Dusting of Fe-Ni Alloys in CO-H ₂ -H ₂ O Gas Mixtures. Oxidation of Metals, 2008, 70, 189-211.	2.1	24
114	Effectiveness of platinum and iridium in improving the resistance of Ni-Al to thermal cycling in air-steam mixtures. Materials and Corrosion - Werkstoffe Und Korrosion, 2008, 59, 455-462.	1.5	15
115	Growth and adherence of chromia based surface scales on Ni-base alloys in high- and low-pO ₂ gases. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 477, 259-270.	5.6	170
116	Microprocesses in nickel accompanying metal dusting. Acta Materialia, 2008, 56, 68-77.	7.9	42
117	High temperature corrosion of cast heat resisting steels in CO+CO ₂ gas mixtures. Corrosion Science, 2008, 50, 2398-2406.	6.6	31
118	Oxidation, carburisation and metal dusting of 304 stainless steel in CO/CO ₂ and CO/H ₂ /H ₂ O gas mixtures. Corrosion Science, 2008, 50, 3107-3115.	6.6	33
119	Carburisation and metal dusting in hydrogen rich gas. Materials at High Temperatures, 2007, 24, 225-232.	1.0	7
120	Effect of copper on metal dusting of austenitic stainless steels. Corrosion Science, 2007, 49, 1450-1467.	6.6	41
121	Kinetics and mechanisms of nickel metal dusting I. Kinetics and morphology. Corrosion Science, 2007, 49, 1496-1512.	6.6	50
122	Simultaneous oxidation and carburisation of chromia forming alloys. International Journal of Hydrogen Energy, 2007, 32, 3763-3769.	7.1	36
123	Protective nitride formation on stainless steel alloys for proton exchange membrane fuel cell bipolar plates. Journal of Power Sources, 2007, 174, 228-236.	7.8	45
124	Metal dusting of ferritic Fe-Ge in the absence of cementite. Scripta Materialia, 2007, 56, 281-284.	5.2	12
125	Continuous thermogravimetric analysis during the cyclic oxidation of Ni-22Al-15Pt+1wt.% Hf at 1200°C. Scripta Materialia, 2007, 57, 647-650.	5.2	5
126	Carburization resistance of nickel-base, heat-resisting alloys. Oxidation of Metals, 2007, 67, 267-277.	2.1	22

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127	Stability of Cementite Formed from Hematite and Titanomagnetite Ore. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2007, 38, 175-184.	2.1	33
128	Enhanced oxidation of the 9%Cr steel P91 in water vapour containing environments. Corrosion Science, 2006, 48, 3428-3454.	6.6	270
129	Chromium Volatilization Rates from Cr ₂ O ₃ Scales into Flowing Gases Containing Water Vapor. Oxidation of Metals, 2006, 66, 137-153.	2.1	226
130	Effect of carbide volume fraction on the oxidation of austenitic Fe-Cr-C alloys. Materials and Corrosion - Werkstoffe Und Korrosion, 2006, 57, 467-475.	1.5	9
131	Metal Dusting Reaction Mechanisms. Materials Science Forum, 2006, 522-523, 15-26.	0.3	13
132	Metal Dusting of Nickel and its Alloys. ECS Transactions, 2006, 3, 27-41.	0.5	7
133	Î±-NiPt(Al) and phase equilibria in the Ni-Al-Pt system at 1150 Â°C. Acta Materialia, 2005, 53, 3319-3328.	7.9	99
134	Alloying with copper to reduce metal dusting of nickel. Materials and Corrosion - Werkstoffe Und Korrosion, 2005, 56, 756-764.	1.5	34
135	Development of Re-based diffusion barrier coatings on nickel based superalloys. Materials and Corrosion - Werkstoffe Und Korrosion, 2005, 56, 923-929.	1.5	50
136	Scaling of Carbon Steel in Simulated Reheat Furnace Atmospheres. Oxidation of Metals, 2005, 63, 15-31.	2.1	24
137	Selective Oxidation and Sub-surface Phase Transformations in Chromium-bearing Austenitic Steels. Oxidation of Metals, 2005, 63, 277-304.	2.1	5
138	Cyclic Oxidation of Heat Resisting Steels. Oxidation of Metals, 2005, 64, 281-301.	2.1	8
139	Microstructural characterization of a carbonitrided heat resisting alloy using focused ion beam-based techniques. Materials at High Temperatures, 2005, 22, 351-358.	1.0	6
140	Oxidation - Nitridation of Ni-Cr-Al alloys. Materials Research, 2004, 7, 11-16.	1.3	22
141	Internal Precipitation of Al ₂ O ₃ and Cr ₂ O ₃ in Austenitic Alloys. Materials Science Forum, 2004, 461-464, 21-28.	0.3	8
142	Role of Water Vapor in Chromia-Scale Growth at Low Oxygen Partial Pressure. Oxidation of Metals, 2003, 59, 285-301.	2.1	122
143	Amounts and Distribution of Phases in Sulfide Plus Oxide Scales on Iron. Oxidation of Metals, 2003, 60, 447-465.	2.1	4
144	Internal oxidation and carburisation of heat-resistant alloys. Corrosion Science, 2003, 45, 967-981.	6.6	79

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145	High temperature carbon corrosion in solid oxide fuel cells. <i>Materials at High Temperatures</i> , 2003, 20, 129-136.	1.0	19
146	Alloy phase transformations driven by high temperature corrosion processes. <i>Corrosion Science</i> , 2002, 44, 345-357.	6.6	65
147	Microstructure of HK40 alloy after high temperature service in oxidizing/carburizing environment. <i>Materials Characterization</i> , 2002, 49, 11-21.	4.4	76
148	Metal Dusting of Fe-Ni-Cr and Fe-Ni-Cr Alloys Under Cyclic Conditions. <i>Oxidation of Metals</i> , 2002, 58, 1-21.	2.1	62
149	Microstructural analysis of carbonitrided austenitic steels. <i>Micron</i> , 2001, 32, 817-824.	2.2	7
150	Simultaneous Internal Oxidation and Nitridation of Ni-Cr-Al Alloys. <i>Oxidation of Metals</i> , 2001, 55, 223-242.	2.1	52
151	Rapid Growth of SiO ₂ Nanofibers on Silicon-Bearing Alloys. <i>Oxidation of Metals</i> , 2001, 56, 375-394.	2.1	22
152	Kinetic and Morphological Development of Internal Precipitates in Iron-Chromium Alloys. <i>Materials Science Forum</i> , 2001, 369-372, 93-100.	0.3	14
153	The Corrosion Behavior of Sulfidation-Resistant Fe-Mo-Al Alloys in H ₂ /H ₂ S Atmospheres at 900°C. <i>Oxidation of Metals</i> , 2000, 54, 103-120.	2.1	4
154	Reoxidation of hot briquetted iron in salt water. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2000, 31, 1133-1135.	2.1	1
155	Internal oxidation processes under non-ideal conditions. <i>Materials at High Temperatures</i> , 2000, 17, 465-470.	1.0	5
156	Precipitate morphologies and growth kinetics in the internal carburisation and nitridation of Fe-Ni-Cr alloys. <i>Corrosion Science</i> , 2000, 42, 861-883.	6.6	32
157	Formation of Z-Ti ₅₀ Al ₃₀ O ₂₀ in the sub-oxide zones of Ti-Al-based alloys during oxidation at 1000°C. <i>Acta Materialia</i> , 1999, 47, 2937-2949.	7.9	92
158	Kinetic and morphological development of coke formation on heat-resistant alloys. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 1999, 50, 675-680.	1.5	5
159	Factors Affecting Chromium Carbide Precipitate Dissolution During Alloy Oxidation. <i>Oxidation of Metals</i> , 1998, 50, 139-165.	2.1	78
160	Carburisation of heat-resistant steels. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 1998, 49, 231-236.	1.5	30
161	Silicon contamination effects in the oxidation of carbide-containing cobalt-chromium alloys. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 1998, 49, 855-863.	1.5	22
162	Influence of yttrium on the high temperature corrosion of chromium and Fe-28Cr in CO-CO ₂ -N ₂ (-SO ₂) atmospheres. <i>Corrosion Science</i> , 1998, 40, 741-756.	6.6	7

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163	Laser Raman spectroscopy: a technique for rapid characterisation of oxide scale layers. <i>Materials Science and Technology</i> , 1998, 14, 373-376.	1.6	48
164	High Temperature Reaction of Chromium with Multi-Oxidant Atmospheres. <i>Materials Science Forum</i> , 1997, 251-254, 567-574.	0.3	24
165	The cyclic oxidation behaviour of $\hat{1}\pm$ -Cr + $\hat{1}^2$ -NiAl alloys with and without trace Zr addition. <i>Corrosion Science</i> , 1997, 39, 639-654.	6.6	45
166	Effect of nanocrystallization on the corrosion resistance of K38G superalloy in CO + CO2 atmospheres. <i>Oxidation of Metals</i> , 1997, 48, 497-509.	2.1	18
167	Mechanisms of the simultaneous sulfidation and oxidation of Fe $\hat{1}$ -Mn alloys. <i>Corrosion Science</i> , 1996, 38, 247-266.	6.6	8
168	Sulphide formation after pre-oxidation of chromia formers. <i>Corrosion Science</i> , 1996, 38, 1877-1897.	6.6	19
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