

W Mark Rainforth

List of Publications by Year in descending order

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267
papers

7,612
citations

50244

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69
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all docs

269
docs citations

269
times ranked

5426
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen embrittlement mechanisms in advanced high strength steel. <i>Acta Materialia</i> , 2022, 223, 117488.	3.8	49
2	Microstructure Evolution and Tensile Behaviour of a Cold Rolled 8 Wt Pct Mn Medium Manganese Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2022, 53, 597-609.	1.1	9
3	Insights into tribofilm formation on Ti-6V-4Al in a bioactive environment: Correlation between surface modification and micro-mechanical properties. <i>Acta Biomaterialia</i> , 2022, 141, 466-480.	4.1	9
4	Influence of tantalum composition on mechanical behavior and deformation mechanisms of TiZrHfTa _x high entropy alloys. <i>Journal of Alloys and Compounds</i> , 2022, 903, 163796.	2.8	12
5	Microstructure and load bearing capacity of TiN/NbN superlattice coatings deposited on medical grade CoCrMo alloy by HIPIMS. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 132, 105267.	1.5	11
6	An alternative formation mechanism of {332}BCC twinning in metastable body-centered-cubic high entropy alloy. <i>Scripta Materialia</i> , 2022, 217, 114770.	2.6	6
7	Why Does Nitriding of Grain-Oriented Silicon Steel Become Slower at Higher Temperature?. <i>Steel Research International</i> , 2021, 92, 2000545.	1.0	0
8	Facile route to bulk ultrafine-grain steels for high strength and ductility. <i>Nature</i> , 2021, 590, 262-267.	13.7	98
9	Effect of cryomilling time on microstructure evolution and hardness of cryomilled AZ31 powders. <i>Materials Characterization</i> , 2021, 178, 111311.	1.9	9
10	Effect of grain size and crystallographic structure on the corrosion and tribocorrosion behaviour of a CoCrMo biomedical grade alloy in simulated body fluid. <i>Wear</i> , 2021, 478-479, 203884.	1.5	6
11	Effect of Potential and Microstructure on the Tribocorrosion Behaviour of Beta and Near Beta Ti Alloys II. <i>Journal of Bio- and Tribo-Corrosion</i> , 2021, 7, 1.	1.2	4
12	Correlation between the formation of tribofilm and repassivation in biomedical titanium alloys during tribocorrosion. <i>Tribology International</i> , 2021, 163, 107147.	3.0	11
13	The influence of protein concentration, temperature and cathodic polarization on the surface status of CoCrMo biomedical grade alloys. <i>Applied Surface Science</i> , 2020, 499, 143908.	3.1	22
14	The influence of hydrogen on plasticity in pure iron—theory and experiment. <i>Scientific Reports</i> , 2020, 10, 10209.	1.6	15
15	Hydrogen embrittlement through the formation of low-energy dislocation nanostructures in nanoprecipitation-strengthened steels. <i>Science Advances</i> , 2020, 6, .	4.7	32
16	A low-cost metastable beta Ti alloy with high elastic admissible strain and enhanced ductility for orthopaedic application. <i>Journal of Alloys and Compounds</i> , 2020, 835, 155391.	2.8	31
17	Detailed In Situ Hot Stage Transmission Electron Microscope Observations of the Localized Pinning of a Mobile Ferrite-Austenite Interface in a Fe-C-Mn Alloy by a Single Oxidic Particle. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020, 51, 3811-3818.	1.1	2
18	On the interstitial induced lattice inhomogeneities in nitrogen-expanded austenite. <i>Scripta Materialia</i> , 2020, 185, 146-151.	2.6	16

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19	Effect of ageing on the microstructural evolution in a new design of maraging steels with carbon. <i>Acta Materialia</i> , 2020, 196, 101-121.	3.8	36
20	The Effect of Heating Rate on Discontinuous Grain Boundary Alpha Formation in a Metastable Beta Titanium Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020, 51, 3766-3771.	1.1	7
21	Twin nucleation and variant selection in Mg alloys: An integrated crystal plasticity modelling and experimental approach. <i>International Journal of Plasticity</i> , 2020, 135, 102778.	4.1	24
22	Ramification of thermal expansion mismatch and phase transformation in TiC-particulate/SiC-matrix ceramic composite. <i>Ceramics International</i> , 2020, 46, 20488-20495.	2.3	9
23	Characterisation of a High-Power Impulse Magnetron Sputtered C/Mo/W wear resistant coating by transmission electron microscopy. <i>Surface and Coatings Technology</i> , 2019, 377, 124853.	2.2	4
24	Role of Titanium, Carbon, Boron, and Zirconium in Carbide and Porosity Formation during Equiaxed Solidification of Nickel-Based Superalloys. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 4171-4186.	1.2	6
25	Development of Ni-free Mn-stabilised maraging steels using Fe ₂ SiTi precipitates. <i>Acta Materialia</i> , 2019, 174, 260-270.	3.8	12
26	Influence of sintering environment on the spark plasma sintering of Maxthal 312 (nominally-Ti ₃ SiC ₂) and the role of powder particle size on densification. <i>Journal of Alloys and Compounds</i> , 2019, 801, 208-219.	2.8	13
27	Exploring the mechanism of "Rare Earth" texture evolution in a lean Mg "Zn" Ca alloy. <i>Scientific Reports</i> , 2019, 9, 7152.	1.6	65
28	Basal slip mediated tension twin variant selection in magnesium WE43 alloy. <i>Acta Materialia</i> , 2019, 170, 1-14.	3.8	113
29	β phase strengthened 1.2GPa metastable β ² titanium alloy with high ductility. <i>Scripta Materialia</i> , 2019, 162, 77-81.	2.6	70
30	Effect of Tool Geometry and Heat Input on the Hardness, Grain Structure, and Crystallographic Texture of Thick-Section Friction Stir-Welded Aluminium. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2019, 50, 271-284.	1.1	47
31	Dry sliding friction and wear behaviour of TiC-based ceramics and consequent effect of the evolution of grain buckling on wear mechanism. <i>Wear</i> , 2019, 422-423, 54-67.	1.5	24
32	The formation mechanism of reverted austenite in Mn-based maraging steels. <i>Journal of Materials Science</i> , 2019, 54, 6624-6631.	1.7	9
33	Effect of deformation twinning on crystallographic texture evolution in a Mg "6.6Zn" 0.2Ca (ZX70) alloy during recrystallisation. <i>Journal of Alloys and Compounds</i> , 2019, 774, 556-564.	2.8	28
34	Deformation mechanisms in a metastable beta titanium twinning induced plasticity alloy with high yield strength and high strain hardening rate. <i>Acta Materialia</i> , 2018, 152, 301-314.	3.8	188
35	The effect of thermomechanical controlled processing on recrystallisation and subsequent deformation-induced ferrite transformation textures in microalloyed steels. <i>Journal of Materials Science</i> , 2018, 53, 6922-6938.	1.7	6
36	Individual effect of recrystallisation nucleation sites on texture weakening in a magnesium alloy: Part 2- shear bands. <i>Acta Materialia</i> , 2018, 145, 399-412.	3.8	104

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37	Application of cellular automata and Lattice Boltzmann methods for modelling of additive layer manufacturing. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2018, 28, 31-46.	1.6	18
38	Quantifying Crystallographic Texture Variation in a Titanium Billet. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 375, 012019.	0.3	4
39	Crystallographic Texture Investigation of Thick Section Friction Stir Welded AA6082 and AA5083 Using EBSD. <i>Key Engineering Materials</i> , 2018, 786, 44-51.	0.4	3
40	Wear Resistance of Stainless Steel Coatings on ZE41 Magnesium Alloy. <i>Journal of Thermal Spray Technology</i> , 2018, 27, 1615-1631.	1.6	13
41	The effect of molybdenum on interphase precipitation and microstructures in microalloyed steels containing titanium and vanadium. <i>Acta Materialia</i> , 2018, 161, 374-387.	3.8	69
42	Segregation mediated heterogeneous structure in a metastable β^2 titanium alloy with a superior combination of strength and ductility. <i>Scientific Reports</i> , 2018, 8, 7512.	1.6	23
43	Molten salt synthesis of MAX phases in the Ti-Al-C system. <i>Journal of the European Ceramic Society</i> , 2018, 38, 4585-4589.	2.8	49
44	Enhancing ductility and strength of nanostructured Mg alloy by in-situ powder casting during spark plasma sintering. <i>Journal of Alloys and Compounds</i> , 2018, 769, 71-77.	2.8	12
45	Direct observation of precipitation along twin boundaries and dissolution in a magnesium alloy annealing at high temperature. <i>Scripta Materialia</i> , 2017, 138, 39-43.	2.6	35
46	Individual effect of recrystallisation nucleation sites on texture weakening in a magnesium alloy: Part 1- double twins. <i>Acta Materialia</i> , 2017, 135, 14-24.	3.8	145
47	Direct observation of individual hydrogen atoms at trapping sites in a ferritic steel. <i>Science</i> , 2017, 355, 1196-1199.	6.0	224
48	Twin recrystallization mechanisms and exceptional contribution to texture evolution during annealing in a magnesium alloy. <i>Acta Materialia</i> , 2017, 126, 132-144.	3.8	210
49	Characterisation of strain-induced precipitation behaviour in microalloyed steels during thermomechanical controlled processing. <i>Materials Characterization</i> , 2017, 124, 83-89.	1.9	22
50	Tribological response and characterization of Mo-W doped DLC coating. <i>Wear</i> , 2017, 376-377, 1622-1629.	1.5	37
51	Characterisation of the wear mechanisms in retrieved alumina-on-alumina total hip replacements. <i>Wear</i> , 2017, 376-377, 212-222.	1.5	7
52	Microstructural Evolution of Nb-W-Mo and V Containing TRIP-assisted Steels during Thermomechanical Processing. <i>Journal of Materials Science and Technology</i> , 2017, 33, 311-320.	5.6	23
53	Correlation of the wear transition in CoCrMo alloys with the formation of a nanocrystalline surface layer and a proteinaceous surface film. <i>Wear</i> , 2017, 376-377, 223-231.	1.5	10
54	Strain-mediated converse magnetoelectric coupling strength manipulation by a thin titanium layer. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	9

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55	A comparison of crystallographic texture and grain structure development in aluminum generated by friction stir welding and high strain torsion. <i>Materials and Design</i> , 2016, 103, 259-267.	3.3	38
56	Effect of Nb-Mo additions on precipitation behaviour in V microalloyed TRIP-assisted steels. <i>Materials Science and Technology</i> , 2016, 32, 1721-1729.	0.8	10
57	Powder bed generation in integrated modelling of additive layer manufacturing of orthopaedic implants. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 87, 519-530.	1.5	18
58	On the use of cryomilling and spark plasma sintering to achieve high strength in a magnesium alloy. <i>Journal of Alloys and Compounds</i> , 2016, 688, 1141-1150.	2.8	33
59	Microstructural evolution of Mn-based maraging steels and their influences on mechanical properties. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 674, 286-298.	2.6	22
60	Thermomechanical processing route to achieve ultrafine grains in low carbon microalloyed steels. <i>Acta Materialia</i> , 2016, 119, 43-54.	3.8	62
61	Predicting microstructure and strength of maraging steels: Elemental optimisation. <i>Acta Materialia</i> , 2016, 117, 270-285.	3.8	125
62	Optimization of magnetocaloric properties of arc-melted and spark plasma-sintered LaFe _{11.6} Si _{1.4} . <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	12
63	Characterisation of L21-ordered Ni ₂ TiAl precipitates in Fe Mn maraging steels. <i>Materials Characterization</i> , 2016, 118, 199-205.	1.9	13
64	Coherent Growth of Fe_2O_3 in Ti and Nd Co-doped BiFeO ₃ Thin Films. <i>Materials Research Letters</i> , 2016, 4, 168-173.	4.1	2
65	Spinel- \leftrightarrow rock salt transformation in LiCoMnO ₄ . <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2016, 472, 20140991.	1.0	21
66	3D analysis of thermal and stress evolution during laser cladding of bioactive glass coatings. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 59, 404-417.	1.5	53
67	Microstructural evolution during bainite transformation in a vanadium microalloyed TRIP-assisted steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 651, 822-830.	2.6	27
68	Electric field-controlled magnetization in bilayered magnetic films for magnetoelectric memory. <i>Journal of Applied Physics</i> , 2015, 118, .	1.1	5
69	Stabilisation of Fe ₂ O ₃ -rich Perovskite Nanophase in Epitaxial Rare-earth Doped BiFeO ₃ Films. <i>Scientific Reports</i> , 2015, 5, 13066.	1.6	9
70	Sub-surface characterisation of tribological contact zone of metal hip prostheses. <i>Journal of Physics: Conference Series</i> , 2015, 644, 012029.	0.3	2
71	Cross sectional TEM analysis of duplex HIPIMS and DC magnetron sputtered Mo and W doped carbon coatings. <i>Journal of Physics: Conference Series</i> , 2015, 644, 012011.	0.3	0
72	Subsurface characterisation of wear on mechanically polished and electro-polished biomedical grade CoCrMo. <i>Wear</i> , 2015, 332-333, 650-661.	1.5	31

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73	New compositional design for creating tough metallic glass composites with excellent work hardening. <i>Acta Materialia</i> , 2015, 86, 208-215.	3.8	29
74	Dissolution and precipitation behaviour in steels microalloyed with niobium during thermomechanical processing. <i>Acta Materialia</i> , 2015, 97, 392-403.	3.8	106
75	Giant electric field tunable magnetic properties in a Co ₅₀ /Fe ₅₀ /lead magnesium niobate/lead titanate multiferroic heterostructure. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 305005.	1.3	2
76	Characterisation of the oxide film on the taper interface from retrieved large diameter metal on polymer modular total hip replacements. <i>Tribology International</i> , 2015, 89, 86-96.	3.0	9
77	Domain pinning near a single-grain boundary in tetragonal and rhombohedral lead zirconate titanate films. <i>Physical Review B</i> , 2015, 91, .	1.1	31
78	Domain Wall Motion Across Various Grain Boundaries in Ferroelectric Thin Films. <i>Journal of the American Ceramic Society</i> , 2015, 98, 1848-1857.	1.9	42
79	Numerical analysis of highly reactive interfaces in processing of nanocrystallised multilayered metallic materials by using duplex technique. <i>Surface and Coatings Technology</i> , 2015, 277, 170-180.	2.2	5
80	Constitutive equations of flow stress of magnesium AZ31 under dynamically recrystallizing conditions. <i>Journal of Materials Processing Technology</i> , 2014, 214, 1408-1417.	3.1	24
81	Piezoelectrics: Influence of a Single Grain Boundary on Domain Wall Motion in Ferroelectrics (Adv.) <i>Tj ETQq1 1 0.784314 rgB3 /Overl</i>	7.8	66
82	The Impact of Strain Reversal on Microstructure Evolution and Orientation Relationships in Ti-6Al-4V with an Initial Alpha Colony Microstructure. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014, 45, 5997-6007.	1.1	15
83	Subsurface modifications in powder metallurgy aluminium alloy composites reinforced with intermetallic MoSi ₂ particles under dry sliding wear. <i>Wear</i> , 2014, 309, 126-133.	1.5	16
84	Influence of a Single Grain Boundary on Domain Wall Motion in Ferroelectrics. <i>Advanced Functional Materials</i> , 2014, 24, 1409-1417.	7.8	66
85	Wear and degradation on retrieved zirconia femoral heads. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014, 31, 145-151.	1.5	11
86	Oxide Structures Formed During the High Temperature Oxidation of Hot Mill Work Rolls. <i>Oxidation of Metals</i> , 2013, 80, 191-203.	1.0	12
87	Deceleration of hydrothermal degradation of 3Y-TZP by alumina and lanthana co-doping. <i>Acta Biomaterialia</i> , 2013, 9, 6226-6235.	4.1	56
88	Influence of near-surface deformed layers on filiform corrosion of AA3104 aluminium alloy. <i>Surface and Interface Analysis</i> , 2013, 45, 1553-1557.	0.8	27
89	New Recrystallisation Behaviour Seen in Magnesium Alloy Elektron 675. <i>Materials Science Forum</i> , 2012, 715-716, 171-172.	0.3	0
90	On the Effect of Strain Reversal on Static Recrystallisation and Strain-Induced Precipitation Process Kinetics in Microalloyed Steels. <i>Materials Science Forum</i> , 2012, 715-716, 655-660.	0.3	5

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91	Stability in Air of Silver and Silver Oxide Nanoparticle Shells Deposited Over Silica Spheres Without Using Coupling Agents. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 8158-8164.	0.9	3
92	Dynamic surface microstructural changes during tribological contact that determine the wear behaviour of hip prostheses: metals and ceramics. <i>Faraday Discussions</i> , 2012, 156, 41.	1.6	15
93	Transmission electron microscopy analysis of worn alumina hip replacement prostheses. <i>Acta Materialia</i> , 2012, 60, 2061-2072.	3.8	12
94	The effect of lubrication on the friction and wear of Biolox [®] Δ. <i>Acta Biomaterialia</i> , 2012, 8, 2348-2359.	4.1	21
95	Microstructure, crystallographic texture and mechanical properties of friction stir welded AA2017A. <i>Materials Characterization</i> , 2012, 64, 107-117.	1.9	39
96	Flow softening behavior during dynamic recrystallization in Mg ³ Al ¹ Zn magnesium alloy. <i>Scripta Materialia</i> , 2012, 67, 277-280.	2.6	33
97	Characterization of worn alumina hip replacement prostheses. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012, 100B, 121-132.	1.6	6
98	The Use of Fe-30% Ni and Fe-30% Ni ^ε Nb Alloys as Model Systems for Studying the Microstructural Evolution during the Hot Deformation of Austenite. <i>Materials and Manufacturing Processes</i> , 2011, 26, 127-131.	2.7	12
99	Through-thickness crystallographic texture of stationary shoulder friction stir welded aluminium. <i>Scripta Materialia</i> , 2011, 64, 45-48.	2.6	73
100	Wear of hydrogen free C/Cr PVD coating against Al ₂ O ₃ at room temperature. <i>Wear</i> , 2011, 271, 2150-2156.	1.5	12
101	Failure Modes of the Oxide Scale Formed on a Work Roll Grade High Speed Steel. <i>Oxidation of Metals</i> , 2011, 76, 149-160.	1.0	11
102	High Temperature Oxidation of a Work Roll Grade High Speed Steel. <i>Oxidation of Metals</i> , 2011, 76, 451-468.	1.0	32
103	Development of Microstructure and Crystallographic Texture during Stationary Shoulder Friction Stir Welding of Ti-6Al-4V. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2011, 42, 2278-2289.	1.1	122
104	On the damage of a work roll grade high speed steel by thermal cycling. <i>Engineering Failure Analysis</i> , 2011, 18, 1576-1583.	1.8	33
105	Dry sliding wear behaviour of powder metallurgy Al ^ε Mg ^ε Si alloy-MoSi ₂ composites and the relationship with the microstructure. <i>Wear</i> , 2011, 270, 658-665.	1.5	48
106	C/CrC nanocomposite coating deposited by magnetron sputtering at high ion irradiation conditions. <i>Journal of Applied Physics</i> , 2011, 110, 073301.	1.1	4
107	EELS and ELNES studies of nano-scale nitride multilayers deposited by unbalanced magnetron sputtering. <i>Journal of Physics: Conference Series</i> , 2010, 241, 012046.	0.3	0
108	Wear and friction of TiAlN/VN coatings against Al ₂ O ₃ in air at room and elevated temperatures. <i>Acta Materialia</i> , 2010, 58, 2912-2925.	3.8	100

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109	A study of BioloX [®] delta subject to water lubricated reciprocating wear. Tribology International, 2010, 43, 1872-1881.	3.0	18
110	Electron energy loss spectroscopy of nano-scale CrAlYN/CrN [®] CrAlY(O)N/Cr(O)N multilayer coatings deposited by unbalanced magnetron sputtering. Thin Solid Films, 2010, 518, 5121-5127.	0.8	16
111	The role of helium ion microscopy in the characterisation of complex three-dimensional nanostructures. Ultramicroscopy, 2010, 110, 1178-1184.	0.8	6
112	Evolution of near [®] surface deformed layers during hot rolling of AA3104 aluminium alloy. Surface and Interface Analysis, 2010, 42, 180-184.	0.8	33
113	Corrosion behaviour of mechanically polished AA7075 [®] T6 aluminium alloy. Surface and Interface Analysis, 2010, 42, 185-188.	0.8	51
114	The ubiquitous Beilby layer on aluminium surfaces. Surface and Interface Analysis, 2010, 42, 175-179.	0.8	53
115	Tracing C changes in a C/CrC PVD coating using Raman spectroscopy and EELS. Journal of Physics: Conference Series, 2010, 241, 012108.	0.3	4
116	Oxide scale modelling in hot rolling: assumptions, numerical techniques and examples of prediction. Ironmaking and Steelmaking, 2010, 37, 276-282.	1.1	3
117	Effect of Tribofilm Formation on the Dry Sliding Friction and Wear Properties of Magnetron Sputtered TiAlCrYN Coatings. Tribology Letters, 2009, 34, 113-124.	1.2	26
118	Materials for engineers. Materials Today, 2009, 12, 54.	8.3	0
119	Microabrasion [®] corrosion of cast CoCrMo alloy in simulated body fluids. Tribology International, 2009, 42, 99-110.	3.0	72
120	Wear behaviour of nanostructured alumina [®] titanium coatings deposited by atmospheric plasma spray. Wear, 2009, 267, 1191-1197.	1.5	44
121	High temperature tribological performance of CrAlYN/CrN nanoscale multilayer coatings deposited on I ³ -TiAl. Wear, 2009, 267, 965-975.	1.5	34
122	Wear mechanisms experienced by a work roll grade high speed steel under different environmental conditions. Wear, 2009, 267, 441-448.	1.5	83
123	A [®] 3-body [™] abrasion wear study of bioceramics for total hip joint replacements. Wear, 2009, 267, 2122-2131.	1.5	9
124	Indentation properties of plasma sprayed Al ₂ O ₃ [®] 13% TiO ₂ nanocoatings. Acta Materialia, 2009, 57, 3148-3156.	3.8	34
125	Degradation of a C/CrC PVD coating after annealing in Ar+H ₂ at 700 [®] °C studied by Raman spectroscopy and transmission electron microscopy. Materials at High Temperatures, 2009, 26, 169-176.	0.5	3
126	Properties of mechanically milled and spark plasma sintered Al [®] 15at.% MgB ₂ composite materials. Composites Science and Technology, 2008, 68, 888-895.	3.8	27

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127	Mechanism of Oxidation of Austenitic Stainless Steels under Conditions of Hot Rolling in Steckel Mills. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2008, 39, 2477-2485.	1.1	4
128	Factors Affecting the Development of Oxide Scales on Austenitic Stainless Steels during Hot Rolling in Steckel Mills. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2008, 39, 2486-2494.	1.1	6
129	Strength of AISI 316L in torsion at high temperature. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 475, 257-267.	2.6	17
130	A comparative study of mechanically mixed layers (MMLs) characteristics of commercial aluminium alloys sliding against alumina and steel sliders. Journal of Materials Processing Technology, 2008, 201, 662-668.	3.1	20
131	Quantifying crystallographic texture in the probe-dominated region of thick-section friction-stir-welded aluminium. Scripta Materialia, 2008, 59, 507-510.	2.6	68
132	EELS characterisation and valence determination of Mn minerals from the Kalahari manganese field in South Africa. Journal of Physics: Conference Series, 2008, 126, 012045.	0.3	1
133	Oxidation performance of nano-scale multilayer coatings on $\hat{3}$ -TiAl. Journal of Physics: Conference Series, 2008, 126, 012022.	0.3	2
134	Validation of neutron texture data on GEM at ISIS using electron backscattered diffraction. Measurement Science and Technology, 2008, 19, 034002.	1.4	6
135	3D surface reconstruction and FIB microscopy of worn alumina hip prostheses. Journal of Physics: Conference Series, 2008, 126, 012044.	0.3	5
136	Microstructure and mechanical properties of sputtered intermetallic Al-Au coatings. Journal of Applied Physics, 2007, 102, 023523.	1.1	9
137	Thermal stability of sputtered intermetallic Al-Au coatings. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2007, 25, 1402-1406.	0.9	9
138	Investigation of fundamental wear mechanisms at the piston ring and cylinder wall interface in internal combustion engines. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2007, 221, 333-343.	1.0	34
139	On the structure and composition of nanoscale TiAlN/VN multilayers. Philosophical Magazine, 2007, 87, 967-978.	0.7	7
140	The effect of titanium on the wear behaviour of a 16%Cr white cast iron under pure sliding. Wear, 2007, 263, 808-820.	1.5	78
141	TEM characterisation of near surface deformation resulting from lubricated sliding wear of aluminium alloy and composites. Wear, 2007, 263, 707-718.	1.5	19
142	The effect of microstructure and composition on the rolling contact fatigue behaviour of cast bainitic steels. Wear, 2007, 263, 756-765.	1.5	19
143	The wear of wrought aluminium alloys under dry sliding conditions. Tribology International, 2007, 40, 160-169.	3.0	45
144	A quantitative analysis of the influence of carbides size distributions on wear behaviour of high-speed steel in dry rolling/sliding contact. Acta Materialia, 2007, 55, 2443-2454.	3.8	96

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145	The role of the tribofilm and roll-like debris in the wear of nanoscale nitride PVD coatings. <i>Wear</i> , 2007, 263, 1328-1334.	1.5	36
146	Oxidation Behavior and Mechanisms of TiAlN/VN Coatings. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2007, 38, 2464-2478.	1.1	26
147	Characterisation of alumina hip-joint wear by FIB Microscopy. <i>Journal of Physics: Conference Series</i> , 2006, 26, 343-346.	0.3	6
148	EBSD investigation of the effect of strain path changes on the microstructure and texture of duplex stainless steel during hot deformation. <i>Journal of Physics: Conference Series</i> , 2006, 26, 331-334.	0.3	7
149	On the structure and oxidation mechanisms in nanoscale hard coatings. <i>Journal of Physics: Conference Series</i> , 2006, 26, 89-94.	0.3	5
150	Investigating worn surfaces of nanoscale TiAlN/VN multilayer coating using FIB and TEM. <i>Journal of Physics: Conference Series</i> , 2006, 26, 95-98.	0.3	8
151	Site specific SEM/FIB/TEM for analysis of lubricated sliding wear of aluminium alloy composites. <i>Journal of Physics: Conference Series</i> , 2006, 26, 327-330.	0.3	1
152	An analysis of microband orientation in a commercial purity aluminium alloy subjected to forward and reverse torsion using Electron Backscatter Diffraction (EBSD). <i>Journal of Microscopy</i> , 2006, 222, 97-104.	0.8	15
153	EBSD investigation of the microstructure and texture characteristics of hot deformed duplex stainless steel. <i>Journal of Microscopy</i> , 2006, 222, 85-96.	0.8	29
154	Oxide scale behaviour on aluminium and steel under hot working conditions. <i>Journal of Materials Processing Technology</i> , 2006, 177, 36-40.	3.1	28
155	TEM-EELS study of low-friction superlattice TiAlN/VN coating: the wear mechanisms. <i>Tribology Letters</i> , 2006, 24, 171-178.	1.2	29
156	EELS characterisation of bulk CaCu ₃ Ti ₄ O ₁₂ ceramics. <i>Micron</i> , 2006, 37, 412-419.	1.1	23
157	The influence of beam energy and oxidation on quantitative carbide analysis in the scanning electron microscope. <i>Journal of Applied Physics</i> , 2006, 100, 114902.	1.1	1
158	Characterisation of microstructure and thermal stability of rapidly solidified Al ₈₅ Fe ₁₃ Si alloy during prolonged exposure at 625°C. <i>Materials Science and Technology</i> , 2006, 22, 1369-1379.	0.8	7
159	Characterisation of Grain Boundaries in CaCu ₃ Ti ₄ O ₁₂ using HREM, EDS and EELS. <i>Journal of Physics: Conference Series</i> , 2006, 26, 65-68.	0.3	9
160	Lubricated sliding wear behaviour of aluminium alloy composites. <i>Wear</i> , 2005, 259, 577-589.	1.5	58
161	Dry sliding wear behaviour of some wrought, rapidly solidified powder metallurgy aluminium alloys. <i>Wear</i> , 2005, 259, 490-500.	1.5	37
162	Formation and structure of a subsurface layer in hot rolled aluminium alloy AA3104 transfer bar. <i>Tribology International</i> , 2005, 38, 1050-1058.	3.0	32

#	ARTICLE	IF	CITATIONS
163	TiAlN based nanoscale multilayer coatings designed to adapt their tribological properties at elevated temperatures. <i>Thin Solid Films</i> , 2005, 485, 160-168.	0.8	70
164	Microstructure evolution of AISI 316L in torsion at high temperature. <i>Acta Materialia</i> , 2005, 53, 1263-1275.	3.8	14
165	EBSD study of the orientation dependence of substructure characteristics in a model Fe-30wt%Ni alloy subjected to hot deformation. <i>Journal of Microscopy</i> , 2005, 217, 138-151.	0.8	32
166	Sliding wear behaviour of SiC/Al ₂ O ₃ nanocomposites. <i>Wear</i> , 2005, 259, 553-561.	1.5	50
167	An alternative method to separate and analyse the microtextures and microstructures of primary alpha grains and transformed beta grains in near- β titanium alloy Timetal 834. <i>Materials Characterization</i> , 2005, 55, 388-394.	1.9	25
168	Electron Microscopy Analysis on the Worn Surface of a High-Chromium White Iron During Dry Sliding Contact. <i>Materials Research Society Symposia Proceedings</i> , 2004, 843, 741.	0.1	4
169	Coarsening of particulate silicon in aluminium based matrices. <i>Materials Science and Technology</i> , 2004, 20, 1223-1225.	0.8	3
170	EBSD and TEM investigation of the hot deformation substructure characteristics of a type 316L austenitic stainless steel. <i>Journal of Microscopy</i> , 2004, 213, 285-295.	0.8	46
171	The wear behaviour of oxide ceramics-A Review. <i>Journal of Materials Science</i> , 2004, 39, 6705-6721.	1.7	108
172	Effect of strain reversal on the dynamic spheroidization of Ti-6Al-4V during hot deformation. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2004, 35, 2993-3001.	1.1	27
173	Electron energy-loss spectroscopy (EELS) studies of an yttria stabilized TZP ceramic. <i>Journal of the European Ceramic Society</i> , 2004, 24, 2023-2029.	2.8	14
174	Oxidation behaviour of nanoscale TiAlN/VN multilayer coatings. <i>Surface and Coatings Technology</i> , 2004, 177-178, 198-203.	2.2	55
175	The effect of (Ti+Al):V ratio on the structure and oxidation behaviour of TiAlN/VN nano-scale multilayer coatings. <i>Surface and Coatings Technology</i> , 2004, 177-178, 252-259.	2.2	57
176	Elemental distributions and substrate rotation in industrial TiAlN/VN superlattice hard PVD coatings. <i>Surface and Coatings Technology</i> , 2004, 183, 275-282.	2.2	46
177	Recent Developments in the Microscopy of Ceramics. <i>Advances in Imaging and Electron Physics</i> , 2004, 132, 167-246.	0.1	2
178	Hot workability of spray-formed AISI M3:2 high-speed steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 386, 420-427.	2.6	9
179	The coarsening of dispersed Al ₃ Ti in aluminum-based matrices. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2003, 34, 419-421.	1.1	6
180	The rolling sliding wear response of conventionally processed and spray formed high speed steel at ambient and elevated temperature. <i>Wear</i> , 2003, 255, 956-966.	1.5	48

#	ARTICLE	IF	CITATIONS
181	A study of internal oxidation in carburized steels by glow discharge optical emission spectroscopy and scanning electron microscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2003, 58, 689-698.	1.5	13
182	The effect of heat treatment at 500–655 °C on the microstructure and properties of mechanically alloyed Al–Ti–O based material. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003, 351, 344-357.	2.6	14
183	Wear behaviour of tool steels with added (W,Ti)C particles. <i>Wear</i> , 2003, 255, 517-526.	1.5	6
184	Influence of interfaces on magnetostrictive granular films. <i>Physical Review B</i> , 2002, 65, .	1.1	1
185	Microstructural changes induced by wear. <i>Tribology Series</i> , 2002, 40, 273-282.	0.1	3
186	Coarsening kinetics at 600 °C of Al ₂ O ₃ dispersoids in a mechanically alloyed aluminium alloy. <i>Scripta Materialia</i> , 2002, 47, 331-335.	2.6	4
187	Precipitation of NbC in a model austenitic steel. <i>Acta Materialia</i> , 2002, 50, 735-747.	3.8	132
188	High resolution observations of friction-induced oxide and its interaction with the worn surface. <i>Tribology International</i> , 2002, 35, 731-748.	3.0	69
189	The structure of FeCo/Ag multilayers. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 2001, 81, 1533-1546.	0.7	2
190	Microstructure and magnetoelastic properties of FeCo/Ag multilayers. <i>Journal of Applied Physics</i> , 2001, 89, 7511-7513.	1.1	7
191	Investigation of the phase constitution and structure of rapidly solidified hard magnetic Nd ₁₈ Fe ₇₆ B ₆ ribbons by transmission electron microscopy. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 2001, 81, 11-24.	0.7	5
192	Evolution and coarsening of Al ₂ O ₃ dispersoids at 500 °C to 600 °C in a mechanically alloyed Al-Ti-O based material. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2001, 32, 2937-2945.	1.1	3
193	Wear mechanisms of monolithic and multicomponent nitride coatings grown by combined arc etching and unbalanced magnetron sputtering. <i>Surface and Coatings Technology</i> , 2001, 146-147, 430-435.	2.2	27
194	The wear behaviour of high-chromium white cast irons as a function of silicon and Mischmetal content. <i>Wear</i> , 2001, 250, 449-461.	1.5	86
195	The application of laser scanning confocal microscopy to tribological research. <i>Wear</i> , 2001, 251, 1159-1168.	1.5	21
196	Dry wear behaviour and its relation to microstructure of novel 6092 aluminium alloy–Ni ₃ Al powder metallurgy composite. <i>Wear</i> , 2001, 251, 1421-1432.	1.5	96
197	Evolution of microstructure and hardening, and the role of Al ₃ Ti coarsening, during extended thermal treatment in mechanically alloyed Al-Ti-O based materials. <i>Acta Materialia</i> , 2001, 49, 1209-1224.	3.8	44
198	Title is missing!. <i>Journal of Materials Science</i> , 2001, 36, 2667-2672.	1.7	43

#	ARTICLE	IF	CITATIONS
199	Effect of alloy composition and reinforcement with silicon carbide on the microstructure and mechanical properties of three silicide dispersion strengthened aluminium alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001, 304-306, 524-528.	2.6	15
200	Coarsening kinetics at 600Å°c of Al4C3 dispersoids in mechanically alloyed Al-Ti-O-C. <i>Scripta Materialia</i> , 2001, 44, 79-86.	2.6	8
201	The effects of dislocations and grain boundaries on the coarsening of Al4C3 dispersoids at 600Å°C in two mechanically alloyed Al-Ti-O-C based materials. <i>Scripta Materialia</i> , 2001, 44, 1089-1093.	2.6	6
202	TEM studies of the wear of TiAlN/CrN superlattice coatings. <i>Scripta Materialia</i> , 2001, 45, 399-404.	2.6	41
203	The role of trace additions of alumina to yttriaâ€“tetragonal zirconia polycrystals (Yâ€“TZP). <i>Scripta Materialia</i> , 2001, 45, 653-660.	2.6	80
204	Investigation of the phase constitution and structure of rapidly solidified hard magnetic Nd 18 Fe 76 B 6 ribbons by transmission electron microscopy. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 2001, 81, 11-24.	0.7	2
205	Opportunities and pitfalls in characterisation of nanoscale features. <i>Materials Science and Technology</i> , 2000, 16, 1349-1355.	0.8	0
206	The effect of microstructure on the morphology of fatigue cracks in UDIMETR 720. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2000, 23, 725-736.	1.7	5
207	Microstructural evolution at the worn surface: a comparison of metals and ceramics. <i>Wear</i> , 2000, 245, 162-177.	1.5	75
208	The wear behaviour of Al2O3-SiC ceramic nanocomposites. <i>Scripta Materialia</i> , 2000, 42, 555-560.	2.6	49
209	The role of silicon in the formation of the (Al5Cu6Mg2) Î¶ phase in Al-Cu-Mg alloys. <i>Journal of Materials Science</i> , 2000, 35, 1413-1418.	1.7	41
210	Effect of long-term room-temperature storage on the structure and properties of glassy melt-spun Mg-Al-Ca alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2000, 31, 2155-2162.	1.1	1
211	The effect of thermal treatment, composition and substrate on the texture and magnetic properties of FeCo thin films. <i>Journal Physics D: Applied Physics</i> , 2000, 33, 1450-1459.	1.3	38
212	3-D micromagnetic simulation of a Bloch line between C-sections of a 180Å° domain wall in a {100} iron film. <i>Journal of Magnetism and Magnetic Materials</i> , 2000, 218, 103-113.	1.0	18
213	Magnetic force microscopy and micromagnetic study of cross-tie wall structures in Co91Nb6Zr3 amorphous thin films. <i>Journal of Applied Physics</i> , 2000, 87, 1096-1102.	1.1	7
214	Characterisation of FeBSiC coated MFM tips using Lorentz electron tomography and MFM. <i>IEEE Transactions on Magnetics</i> , 1999, 35, 3986-3988.	1.2	8
215	TEM observations of wear mechanisms of TiAlCrN and TiAlN/CrN coatings grown by combined steered-arc/unbalanced magnetron deposition. <i>Wear</i> , 1999, 225-229, 74-82.	1.5	72
216	The rolling/sliding wear response of conventionally processed and spray formed high chromium content cast iron at ambient and elevated temperature. <i>Wear</i> , 1999, 225-229, 587-599.	1.5	48

#	ARTICLE	IF	CITATIONS
217	Austenite phase formation in rapidly solidified Fe-Cr-Mn-C steels. <i>Acta Materialia</i> , 1999, 47, 4555-4569.	3.8	27
218	Tribological investigation of TiAlCrN and TiAlN/CrN coatings grown by combined steered-arc/unbalanced magnetron deposition. <i>Vacuum</i> , 1999, 53, 123-126.	1.6	43
219	Solidification microstructure selection in the Al-rich Al-La, Al-Ce and Al-Nd systems. <i>Journal of Crystal Growth</i> , 1999, 197, 286-296.	0.7	31
220	The effect of spray forming on the microstructure and properties of a high chromium white cast iron. <i>Journal of Materials Science</i> , 1999, 34, 2291-2301.	1.7	22
221	Preparation and characterisation of a new amorphous tip coating for application in magnetic force microscopy. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 205, 131-135.	1.0	6
222	Thermal stability of Al ₁₁ Ce ₃ and Al ₁₁ La ₃ /Al ₃ Ni eutectics obtained by Bridgman growth. <i>Materials Science and Technology</i> , 1999, 15, 616-620.	0.8	19
223	Transmission Electron Microscopy Study of a 3Y-TZP Worn under Dry and Water-Lubricated Sliding Conditions. <i>Journal of the American Ceramic Society</i> , 1999, 82, 1483-1491.	1.9	19
224	The structure and properties of spray formed cold rolling mill work roll steels. <i>Journal of Materials Science</i> , 1998, 33, 3233-3244.	1.7	14
225	The Formability of Spray-formed, High-chromium Content, White Cast Iron. <i>Journal of Materials Science Letters</i> , 1998, 17, 1637-1640.	0.5	5
226	A novel microstructure in the Al-La-Ni ternary eutectic alloy. <i>Scripta Materialia</i> , 1998, 39, 1371-1376.	2.6	9
227	3-D simulation of Bloch lines in 180° domain walls in thin iron films. <i>Journal of Magnetism and Magnetic Materials</i> , 1998, 177-181, 229-230.	1.0	14
228	Magnetic force microscopy of nanocrystalline NdFeB ribbons: A study of tip-sample interaction using a well-characterised sample. <i>Journal of Magnetism and Magnetic Materials</i> , 1998, 182, 111-123.	1.0	30
229	The effect of phase constitution on the magnetic structure of nanophase NdFeB alloys observed by magnetic force microscopy. <i>Journal of Magnetism and Magnetic Materials</i> , 1998, 188, 109-118.	1.0	37
230	MFM of nanocrystalline NdFeB: a study of the effect of processing route on the micromagnetic structure. <i>Journal of Magnetism and Magnetic Materials</i> , 1998, 190, 48-59.	1.0	14
231	Micromagnetic and MFM studies of a domain wall in thick {110} FeSi. <i>Journal of Magnetism and Magnetic Materials</i> , 1998, 190, 17-27.	1.0	9
232	Some observations on cyclic deformation structures in the high-strength commercial aluminum alloy AA 7150. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1998, 29, 2727-2736.	1.1	3
233	On the role of plastic deformation during the mild wear of alumina. <i>Acta Materialia</i> , 1998, 46, 6475-6483.	3.8	59
234	Transmission electron microscopy of worn zirconia surfaces. <i>Journal of Materials Research</i> , 1998, 13, 396-405.	1.2	12

#	ARTICLE	IF	CITATIONS
235	Magnetic force imaging of domain structures for a (Pr/Nd)FeB alloy. Journal of Applied Physics, 1998, 83, 2715-2718.	1.1	4
236	Simulation of 3-D micromagnetic structures in thin iron platelet. IEEE Transactions on Magnetism, 1997, 33, 4170-4172.	1.2	9
237	Microstructural changes induced by dry sliding wear of a A357/SiC metal matrix composite. Materials Science and Technology, 1997, 13, 41-48.	0.8	26
238	Dislocation densities, dispersoid identities and the origins of thermal stability and strengthening in three mechanically alloyed aluminium alloys. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1997, 76, 1093-1104.	0.7	5
239	Modelling of MFM images of 180° and 90° domain walls in iron films. IEEE Transactions on Magnetism, 1997, 33, 4056-4058.	1.2	5
240	Three-dimensional simulation of the disturbance of magnetic domain walls by magnetic force microscope tips. Journal of Applied Physics, 1997, 81, 4686-4688.	1.1	2
241	Intermediate rhombohedral (r-ZrO ₂) phase formation at the surface of sintered Y-TZP's. Journal of Materials Science Letters, 1997, 16, 883-885.	0.5	23
242	Coarsening of θ -Al ₂ CuMg in Al-Cu-Mg base alloys. Journal of Materials Science Letters, 1997, 16, 420-421.	0.5	6
243	Work hardening behaviour at the worn surface of Al-Cu and Al-Si alloys. Wear, 1997, 203-204, 171-179.	1.5	43
244	The effect of processing route, composition and hardness on the wear response of chromium bearing steels in a rolling-sliding configuration. Wear, 1997, 203-204, 220-229.	1.5	29
245	Microstructural changes induced by dry sliding wear of a A357/SiC metal matrix composite. Materials Science and Technology, 1997, 13, 41-48.	0.8	4
246	The coarsening of θ precipitates in an Al-4WT% Cu alloy as a result of frictional heating. Scripta Materialia, 1996, 34, 877-881.	2.6	15
247	Nano-beam analysis of θ precipitates in a Al-Cu-Mg-Ag alloy. Scripta Materialia, 1996, 35, 261-265.	2.6	11
248	The effect of tip type and scan height on magnetic domain images obtained by MFM. IEEE Transactions on Magnetism, 1996, 32, 4138-4140.	1.2	25
249	Fatigue of a nickel base superalloy with bimodal grain size. Materials Science and Technology, 1996, 12, 1007-1014.	0.8	17
250	TEM observations of fatigue damage accumulation at the surface of the near- β titanium alloy IMI 834. Acta Materialia, 1996, 44, 3453-3463.	3.8	47
251	The sliding wear of ceramics. Ceramics International, 1996, 22, 365-372.	2.3	37
252	Formation of interface phases in the titanium alloy IMI 834. Journal of Materials Science, 1996, 31, 1205-1211.	1.7	2

#	ARTICLE	IF	CITATIONS
253	Fatigue of a nickel base superalloy with bimodal grain size. <i>Materials Science and Technology</i> , 1996, 12, 1007-1014.	0.8	7
254	The effect of alumina fibre reinforcement on the wear of an Al-4.3% Cu alloy. <i>Wear</i> , 1995, 181-183, 312-324.	1.5	1
255	Microstructure study of high coercivity Ga containing Nd-Fe-B permanent magnets. <i>Journal of Magnetism and Magnetic Materials</i> , 1995, 145, L19-L22.	1.0	8
256	A comparison of domain images obtained for nanophase alloys by magnetic force microscopy and high resolution Lorentz electron microscopy. <i>IEEE Transactions on Magnetics</i> , 1995, 31, 3349-3351.	1.2	20
257	Coarsening of precipitates and dispersoids in aluminium alloy matrices: a consolidation of the available experimental data. <i>Journal of Materials Science</i> , 1994, 29, 1895-1900.	1.7	30
258	Structure, properties and response to heat treatment of melt-spun Al-Y and Al-La alloys. <i>Journal of Materials Science</i> , 1994, 29, 3913-3918.	1.7	24
259	Wear behaviour of rapidly solidified Fe ₆₈ Cr ₁₈ Mo ₂ B ₁₂ alloys. <i>Wear</i> , 1994, 172, 135-145.	1.5	39
260	Phase constitution in melt-spun Al-10 wt% Y. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1994, 70, 1129-1137.	0.6	8
261	A transmission electron microscopy study of wear of magnesia partially stabilised zirconia. <i>Wear</i> , 1993, 162-164, 322-331.	1.5	11
262	Microstructure analysis of nanocrystalline Fe-Nd-B ribbons with enhanced hard magnetic properties. <i>Journal of Magnetism and Magnetic Materials</i> , 1993, 128, 307-312.	1.0	71
263	Deformation structures induced by sliding contact. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 1992, 66, 621-641.	0.7	108
264	The effects of notch width on the SENB toughness for oxide ceramics. <i>Journal of the European Ceramic Society</i> , 1992, 10, 21-31.	2.8	37
265	An Investigation of the Dynamic Recrystallisation Behaviour of Magnesium AZ31 Alloy at 450°C Using Plane Strain Compression Testing as a Tool. <i>Materials Science Forum</i> , 0, 715-716, 164-169.	0.3	0
266	The Effect of High Temperature Grain Refinement on the Isothermal Ferrite Grain Growth Kinetics in Steel S460. <i>Materials Science Forum</i> , 0, 715-716, 907-912.	0.3	1
267	Controlling Grain Size in Oxide Ceramics for Optimization of Strength and Wear Resistance. <i>Materials Science Forum</i> , 0, 715-716, 703-710.	0.3	1