Easo P George

List of Publications by Year
in descending order

200 papers	31,178 citations	14614 66 h-index	4323 173 g-index
201 all docs	201 docs citations	201 times ranked	9953 citing authors

#	Article	IF	Citations
1	Tensile and compressive plastic deformation behavior of medium-entropy Cr-Co-Ni single crystals from cryogenic to elevated temperatures. International Journal of Plasticity, 2022, 148, 103144.	4.1	39
2	Microstructure-dependent phase stability and precipitation kinetics in equiatomic CrMnFeCoNi high-entropy alloy: Role of grain boundaries. Acta Materialia, 2022, 223, 117470.	3.8	20
3	Effects of Cr/Ni ratio on physical properties of Cr-Mn-Fe-Co-Ni high-entropy alloys. Acta Materialia, 2022, 227, 117693.	3.8	47
4	High-entropy materials. MRS Bulletin, 2022, 47, 145-150.	1.7	22
5	Deformation mechanisms in crystalline-amorphous high-entropy composite multilayers. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 848, 143144.	2.6	11
6	Effects of precipitate size and spacing on deformation-induced fcc to bcc phase transformation. Materials Research Letters, 2022, 10, 585-592.	4.1	3
7	Plastic deformation of single crystals of the equiatomic Crâ^'Mnâ^'Feâ^'Coâ^'Ni high-entropy alloy in tension and compression from 10ÂK to 1273ÂK. Acta Materialia, 2021, 203, 116454.	3.8	56
8	Laser metal deposition of refractory high-entropy alloys for high-throughput synthesis and structure-property characterization. International Journal of Extreme Manufacturing, 2021, 3, 015201.	6.3	27
9	Elemental segregation to lattice defects in the CrMnFeCoNi high-entropy alloy during high temperature exposures. Acta Materialia, 2021, 208, 116719.	3.8	20
10	Ordering effects on deformation substructures and strain hardening behavior of a CrCoNi based medium entropy alloy. Acta Materialia, 2021, 210, 116829.	3.8	47
11	Bifunctional nanoprecipitates strengthen and ductilize a medium-entropy alloy. Nature, 2021, 595, 245-249.	13.7	141
12	Cores of 1/2< 110 >-type dislocations in the CrMnFeCoNi high-entropy alloy investigated by STEM, the center of symmetry and the Nye tensor mapping techniques. Microscopy and Microanalysis, 2021, 27, 3098-3099.	0.2	0
13	Role of deformation twinning in fatigue of CrCoNi medium-entropy alloy at room temperature. Scripta Materialia, 2021, 202, 113985.	2.6	27
14	Compositional variations in equiatomic CrMnFeCoNi high-entropy alloys. Materials Characterization, 2021, 180, 111437.	1.9	11
15	Surface hardening of high- and medium-entropy alloys by mechanical attrition at room and cryogenic temperatures. Applied Physics Letters, 2021, 119, 201912.	1.5	5
16	SEM & STEM Multi-scale Characterization of Fatigue Damage in CrCoNi Medium-entropy Alloy with Fully Recrystallized Microstructure. Microscopy and Microanalysis, 2020, 26, 2224-2225.	0.2	1
17	Effects of cryogenic temperature and grain size on fatigue-crack propagation in the medium-entropy CrCoNi alloy. Acta Materialia, 2020, 200, 351-365.	3.8	76
18	Microstructure, Texture, and Strength Development during High-Pressure Torsion of CrMnFeCoNi High-Entropy Alloy. Crystals, 2020, 10, 336.	1.0	39

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19	The emergent field of high entropy oxides: Design, prospects, challenges, and opportunities for tailoring material properties. APL Materials, 2020, 8, .	2.2	152
20	High-entropy alloys. Nature Reviews Materials, 2019, 4, 515-534.	23.3	2,188
21	On the onset of deformation twinning in the CrFeMnCoNi high-entropy alloy using a novel tensile specimen geometry. Intermetallics, 2019, 110, 106469.	1.8	21
22	Temperature and load-ratio dependent fatigue-crack growth in the CrMnFeCoNi high-entropy alloy. Journal of Alloys and Compounds, 2019, 794, 525-533.	2.8	74
23	Real-time nanoscale observation of deformation mechanisms in CrCoNi-based medium- to high-entropy alloys at cryogenic temperatures. Materials Today, 2019, 25, 21-27.	8.3	167
24	Laser metal deposition of compositionally graded TiZrNbTa refractory high-entropy alloys using elemental powder blends. Additive Manufacturing, 2019, 25, 252-262.	1.7	62
25	Columnar to equiaxed transition and grain refinement of cast CrCoNi medium-entropy alloy by microalloying with titanium and carbon. Journal of Alloys and Compounds, 2019, 775, 1068-1076.	2.8	71
26	Elastic moduli and thermal expansion coefficients of medium-entropy subsystems of the CrMnFeCoNi high-entropy alloy. Journal of Alloys and Compounds, 2018, 746, 244-255.	2.8	215
27	Thermal activation parameters of plastic flow reveal deformation mechanisms in the CrMnFeCoNi high-entropy alloy. Acta Materialia, 2018, 143, 257-264.	3.8	132
28	Laser metal deposition of a refractory TiZrNbHfTa high-entropy alloy. Additive Manufacturing, 2018, 24, 386-390.	1.7	47
29	Phase stability and kinetics of Ïƒ-phase precipitation in CrMnFeCoNi high-entropy alloys. Acta Materialia, 2018, 161, 338-351.	3.8	209
30	Influence of deformation induced nanoscale twinning and FCC-HCP transformation on hardening and texture development in medium-entropy CrCoNi alloy. Acta Materialia, 2018, 158, 38-52.	3.8	135
31	Dislocation mechanisms and 3D twin architectures generate exceptional strength-ductility-toughness combination in CrCoNi medium-entropy alloy. Nature Communications, 2017, 8, 14390.	5.8	344
32	Reasons for the superior mechanical properties of medium-entropy CrCoNi compared to high-entropy CrMnFeCoNi. Acta Materialia, 2017, 128, 292-303.	3.8	803
33	Microstructure and texture evolution during severe plastic deformation of CrMnFeCoNi high-entropy alloy. IOP Conference Series: Materials Science and Engineering, 2017, 194, 012028.	0.3	24
34	Effect of temperature on the fatigue-crack growth behavior of the high-entropy alloy CrMnFeCoNi. Intermetallics, 2017, 88, 65-72.	1.8	160
35	Insights into the deformation behavior of the CrMnFeCoNi high-entropy alloy revealed by elevated temperature nanoindentation. Journal of Materials Research, 2017, 32, 2658-2667.	1.2	40
36	Magnetic properties of the CrMnFeCoNi high-entropy alloy. Physical Review B, 2017, 96, .	1.1	124

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37	Nanoindentation testing as a powerful screening tool for assessing phase stability of nanocrystalline high-entropy alloys. Materials and Design, 2017, 115, 479-485.	3.3	68
38	Atomic displacement in the CrMnFeCoNi high-entropy alloy â€“ A scaling factor to predict solid solution strengthening. AIP Advances, 2016, 6, .	0.6	183
39	Experimental and modelling characterisation of residual stresses in cylindrical samples of rapidly cooled bulk metallic glass. Materials and Design, 2016, 104, 235-241.	3.3	19
40	Decomposition of the single-phase high-entropy alloy CrMnFeCoNi after prolonged anneals at intermediate temperatures. Acta Materialia, 2016, 112, 40-52.	3.8	653
41	Microstructure evolution and critical stress for twinning in the CrMnFeCoNi high-entropy alloy. Acta Materialia, 2016, 118, 152-163.	3.8	823
42	Direct Metal Deposition of Refractory High Entropy Alloy MoNbTaW. Physics Procedia, 2016, 83, 624-633.	1.2	106
43	On Local Phase Equilibria and the Appearance of Nanoparticles in the Microstructure of Singleâ€Crystal Niâ€Base Superalloys. Advanced Engineering Materials, 2016, 18, 1556-1567.	1.6	39
44	Size effect, critical resolved shear stress, stacking fault energy, and solid solution strengthening in the CrMnFeCoNi high-entropy alloy. Scientific Reports, 2016, 6, 35863.	1.6	316
45	Oxidation Behavior of the CrMnFeCoNi High-Entropy Alloy. Oxidation of Metals, 2016, 85, 629-645.	1.0	190
46	Atomic-scale characterization and modeling of 60Â° dislocations in a high-entropy alloy. Acta Materialia, 2016, 110, 352-363.	3.8	167
47	Exceptional damage-tolerance of a medium-entropy alloy CrCoNi at cryogenic temperatures. Nature Communications, 2016, 7, 10602.	5.8	1,175
48	Nanoscale origins of the damage tolerance of the high-entropy alloy CrMnFeCoNi. Nature Communications, 2015, 6, 10143.	5.8	608
49	Effects of boron on the fracture behavior and ductility of cast Tiâ€“6Alâ€“4V alloys. Scripta Materialia, 2015, 100, 90-93.	2.6	28
50	Characterization of dislocation structures and deformation mechanisms in as-grown and deformed directionally solidified NiAlâ€“Mo composites. Acta Materialia, 2015, 89, 315-326.	3.8	17
51	Deformation-induced spatiotemporal fluctuation, evolution and localization of strain fields in a bulk metallic glass. International Journal of Plasticity, 2015, 71, 136-145.	4.1	49
52	Mechanical properties, microstructure and thermal stability of a nanocrystalline CoCrFeMnNi high-entropy alloy after severe plastic deformation. Acta Materialia, 2015, 96, 258-268.	3.8	952
53	Microstructural evolution of a CoCrFeMnNi high-entropy alloy after swaging and annealing. Journal of Alloys and Compounds, 2015, 647, 548-557.	2.8	158
54	Processing, Microstructure and Mechanical Properties of the CrMnFeCoNi High-Entropy Alloy. Jom, 2015, 67, 2262-2270.	0.9	177

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55	Polycrystalline elastic moduli of a high-entropy alloy at cryogenic temperatures. Intermetallics, 2015, 58, 62-64.	1.8	161
56	Temperature dependencies of the elastic moduli and thermal expansion coefficient of an equiatomic, single-phase CoCrFeMnNi high-entropy alloy. Journal of Alloys and Compounds, 2015, 623, 348-353.	2.8	331
57	Yield strength dependence on strain rate of molybdenum-alloy nanofibers. Applied Physics Letters, 2014, 104, 251909.	1.5	6
58	Dynamic Highâ€temperature Testing of an Iridium Alloy in Compression at Highâ€strain Rates. Strain, 2014, 50, 539-546.	1.4	15
59	High-Temperature Creep and Oxidation Behavior of Mo-Si-B Alloys with High Ti Contents. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 1102-1111.	1.1	63
60	Recovery, recrystallization, grain growth and phase stability of a family of FCC-structured multi-component equiatomic solid solution alloys. Intermetallics, 2014, 46, 131-140.	1.8	671
61	A fracture-resistant high-entropy alloy for cryogenic applications. Science, 2014, 345, 1153-1158.	6.0	3,982
62	Temperature dependence of the mechanical properties of equiatomic solid solution alloys with face-centered cubic crystal structures. Acta Materialia, 2014, 81, 428-441.	3.8	1,387
63	Phase-specific deformation behavior of a relatively tough NiAlâ€“Cr(Mo) lamellar composite. Scripta Materialia, 2014, 84-85, 59-62.	2.6	34
64	Microstructural evolution after thermomechanical processing in an equiatomic, single-phase CoCrFeMnNi high-entropy alloy with special focus on twin boundaries. Intermetallics, 2014, 54, 39-48.	1.8	257
65	Synthesis, characterization, and nanoindentation response of single crystal Feâ€“Crâ€“Ni alloys with FCC and BCC structures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 611, 177-187.	2.6	37
66	Vacancy strengthening in Fe3Al iron aluminides. Intermetallics, 2014, 54, 95-103.	1.8	20
67	Incipient plasticity and deformation mechanisms in single-crystal Mg during spherical nanoindentation. Acta Materialia, 2013, 61, 2953-2965.	3.8	83
68	Characterization of deformation anisotropies in an Î±-Ti alloy by nanoindentation and electron microscopy. Acta Materialia, 2013, 61, 4743-4756.	3.8	67
69	Relative effects of enthalpy and entropy on the phase stability of equiatomic high-entropy alloys. Acta Materialia, 2013, 61, 2628-2638.	3.8	1,004
70	Influence of fiber alignment on creep in directionally solidified NiAlâ€“10Mo in-situ composites. Intermetallics, 2013, 35, 110-115.	1.8	18
71	A simple stochastic model for yielding in specimens with limited number of dislocations. Acta Materialia, 2013, 61, 2489-2499.	3.8	41
72	Re effects on phase stability and mechanical properties of MoSS+Mo3Si+Mo5SiB2 alloys. Journal of Alloys and Compounds, 2013, 556, 32-38.	2.8	14

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73	Tensile properties of high- and medium-entropy alloys. Intermetallics, 2013, 39, 74-78.	1.8	892
74	The influences of temperature and microstructure on the tensile properties of a CoCrFeMnNi high-entropy alloy. Acta Materialia, 2013, 61, 5743-5755.	3.8	2,352
75	A stochastic model for the size dependence of spherical indentation pop-in. Journal of Materials Research, 2013, 28, 2728-2739.	1.2	42
76	Relationship between yield point phenomena and the nanoindentation pop-in behavior of steel. Journal of Materials Research, 2012, 27, 39-44.	1.2	45
77	In-situ tensile testing of single-crystal molybdenum-alloy fibers with various dislocation densities in a scanning electron microscope. Journal of Materials Research, 2012, 27, 508-520.	1.2	28
78	Nanoindentation of pseudoelastic NiTi containing Ni₄Ti₃ precipitates. International Journal of Materials Research, 2012, 103, 1434-1439.	0.1	7
79	Scale effects in convoluted thermal/spatial statistics of plasticity initiation in small stressed volumes during nanoindentation. Materials Science and Technology, 2012, 28, 1055-1059.	0.8	34
80	Dependence of the yield stress of Fe3Al on heat treatment. Intermetallics, 2012, 21, 56-61.	1.8	25
81	Dislocation starvation and exhaustion hardening in Mo alloy nanofibers. Acta Materialia, 2012, 60, 2258-2264.	3.8	145
82	Size Effects and Stochastic Behavior of Nanoindentation Pop In. Physical Review Letters, 2011, 106, 165502.	2.9	189
83	Effect of boron on the fracture behavior and grain boundary chemistry of Ni3Fe. Scripta Materialia, 2011, 64, 303-306.	2.6	15
84	Determining the activation energies and slip systems for dislocation nucleation in body-centered cubic Mo and face-centered cubic Ni single crystals. Scripta Materialia, 2011, 65, 179-182.	2.6	53
85	Influences of surface preparation on nanoindentation pop-in in single-crystal Mo. Scripta Materialia, 2011, 65, 469-472.	2.6	63
86	Creep in directionally solidified NiAlâ€“Mo eutectics. Scripta Materialia, 2011, 65, 699-702.	2.6	31
87	Atomistic processes of dislocation generation and plastic deformation during nanoindentation. Acta Materialia, 2011, 59, 934-942.	3.8	134
88	Scanning transmission electron microscope observations of defects in as-grown and pre-strained Mo alloy fibers. Acta Materialia, 2011, 59, 2172-2179.	3.8	37
89	Indentation Schmid factor and orientation dependence of nanoindentation pop-in behavior of NiAl single crystals. Journal of the Mechanics and Physics of Solids, 2011, 59, 1147-1162.	2.3	106
90	Synthesis and characterization of lamellar and fibre-reinforced NiAl-Mo and NiAl-Cr. Journal of Physics: Conference Series, 2010, 240, 012063.	0.3	13

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91	Specimen Size Effects on Zr-Based Bulk Metallic Glasses Investigated by Uniaxial Compression and Spherical Nanoindentation. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2010, 41, 1735-1742.	1.1	37
92	Effects of focused ion beam milling and pre-straining on the microstructure of directionally solidified molybdenum pillars: A Laue diffraction analysis. Scripta Materialia, 2010, 62, 746-749.	2.6	34
93	Investigation of strain-induced martensitic transformation in metastable austenite using nanoindentation. Scripta Materialia, 2010, 63, 540-543.	2.6	134
94	Effects of boron on the microstructure and thermal stability of directionally solidified NiAlâ€“Mo eutectic. Acta Materialia, 2010, 58, 421-428.	3.8	8
95	Effects of Ti, Zr, and Hf on the phase stability of Mo_ss + Mo3Si + Mo5SiB2 alloys at 1600Â°C. Acta Materialia, 2010, 58, 541-548.	3.8	51
96	Influence of Ni on martensitic phase transformations in NiTi shape memory alloys. Acta Materialia, 2010, 58, 3444-3458.	3.8	696
97	Formation, stability and crystal structure of the Ïƒ phase in Moâ€“Reâ€“Si alloys. Acta Materialia, 2010, 58, 6027-6034.	3.8	6
98	3D x-ray microprobe investigation of local dislocation densities and elastic strain gradients in a NiAl-Mo composite and exposed Mo micropillars as a function of prestrain. Journal of Materials Research, 2010, 25, 199-206.	1.2	18
99	Enhanced plasticity in a Zr-based bulk metallic glass composite with in situ formed intermetallic phases. Applied Physics Letters, 2009, 95, .	1.5	33
100	Effects of focused ion beam milling on the compressive behavior of directionally solidified micropillars and the nanoindentation response of an electropolished surface. Acta Materialia, 2009, 57, 503-510.	3.8	194
101	Ductilization of Moâ€“Si solid solutions manufactured by powder metallurgy. Acta Materialia, 2009, 57, 3895-3901.	3.8	73
102	Thermal stability of Crâ€“Cr3Si eutectic microstructures. Acta Materialia, 2009, 57, 3823-3829.	3.8	29
103	Controlled normal/shear loading and shear fracture in bulk metallic glasses. Intermetallics, 2009, 17, 802-810.	1.8	8
104	Effects of pre-strain on the compressive stressâ€“strain response of Mo-alloy single-crystal micropillars. Acta Materialia, 2008, 56, 4762-4770.	3.8	287
105	Hardness and shear band evolution in bulk metallic glasses after plastic deformation and annealing. Acta Materialia, 2008, 56, 5202-5213.	3.8	103
106	Small-scale mechanical behavior of intermetallics and their composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 483-484, 218-222.	2.6	16
107	Shear fracture of bulk metallic glasses with controlled applied normal stresses. Scripta Materialia, 2008, 59, 111-114.	2.6	18
108	A different type of indentation size effect. Scripta Materialia, 2008, 59, 1095-1098.	2.6	238

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109	Effects of alloying elements on dendritic segregation in iridium alloys. Journal of Alloys and Compounds, 2008, 459, 130-134.	2.8	6
110	Size-dependent plasticity and fracture of a metallic glass in compression. Intermetallics, 2008, 16, 485-489.	1.8	65
111	Oxygen effects on plastic deformation of a Zr-based bulk metallic glass. Applied Physics Letters, 2008, 92, .	1.5	44
112	Spatially resolved strain measurements in Mo-alloy micropillars by differential aperture x-ray microscopy. Applied Physics Letters, 2008, 93, 071904.	1.5	23
113	Strength differences arising from homogeneous versus heterogeneous dislocation nucleation. Physical Review B, 2008, 77, .	1.1	166
114	The yield strength anomaly of single-slip-oriented Feâ€“Al single crystals. Intermetallics, 2007, 15, 103-107.	1.8	17
115	The Soret effect in bulk metallic glasses. Intermetallics, 2007, 15, 557-563.	1.8	8
116	Cooling-rate induced softening in a Zr50Cu50 bulk metallic glass. Applied Physics Letters, 2007, 90, 071909.	1.5	62
117	Compressive strengths of molybdenum alloy micro-pillars prepared using a new technique. Scripta Materialia, 2007, 57, 397-400.	2.6	260
118	Thermal diffusion and compositional inhomogeneity in cast Zr50Cu50 bulk metallic glass. Applied Physics Letters, 2006, 89, 051919.	1.5	17
119	Microstructures and Mechanical Properties of in-situ V-V3B2 Composites. Materials Research Society Symposia Proceedings, 2006, 980, 5.	0.1	0
120	Softening Caused by Profuse Shear Banding in a Bulk Metallic Glass. Physical Review Letters, 2006, 96, 105503.	2.9	380
121	Microstructures and mechanical properties of a directionally solidified NiAlâ€“Mo eutectic alloy. Acta Materialia, 2005, 53, 69-77.	3.8	222
122	Metastable phase evolution and grain growth in annealed nanocrystalline Crâ€“Feâ€“Ni films. Thin Solid Films, 2005, 493, 307-312.	0.8	16
123	PVD synthesis and high-throughput property characterization of Niâ€“Feâ€“Cr alloy libraries. Measurement Science and Technology, 2005, 16, 46-53.	1.4	27
124	Thermal-expansion behavior of a directionally solidified NiAlâ€“Mo composite investigated by neutron diffraction and dilatometry. Journal of Applied Physics, 2005, 97, 123503.	1.1	18
125	Influence of Indenter Tip Geometry on Elastic Deformation during Nanoindentation. Physical Review Letters, 2005, 95, 045501.	2.9	196
126	Preparation of ternary alloy libraries for high-throughput screening of material properties by means of thick film deposition and interdiffusion: Benefits and limitations. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2004, 22, 1788-1792.	0.9	8

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127	Theoretical Strength and the Onset of Plasticity in Bulk Metallic Glasses Investigated by Nanoindentation with a Spherical Indenter. Physical Review Letters, 2004, 93, 125504.	2.9	184
128	Elastic constants of single crystal Cr3Si and Crâ€“Cr3Si lamellar eutectic composites: a comparison of ultrasonic and nanoindentation measurements. Scripta Materialia, 2004, 51, 875-879.	2.6	44
129	A review of directionally solidified intermetallic composites for high-temperature structural applications. Journal of Materials Science, 2004, 39, 3975-3984.	1.7	48
130	Influence of iridium on the martensitic transformation in Niâ€“Ti shape memory alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 378, 170-174.	2.6	2
131	Directional solidification and microstructures of near-eutectic Crâ€“Cr3Si alloys. Acta Materialia, 2003, 51, 6241-6252.	3.8	65
132	Effects of composition on lamellar microstructures of near-eutectic Crâ€“Cr3Si alloys. Intermetallics, 2003, 11, 283-289.	1.8	39
133	Rapid structural and chemical characterization of ternary phase diagrams using synchrotron radiation. Journal of Materials Research, 2003, 18, 2522-2527.	1.2	20
134	Mechanical properties of soft magnetic FeCo alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2002, 329-331, 325-333.	2.6	51
135	The correlation of the indentation size effect measured with indenters of various shapes. Journal of the Mechanics and Physics of Solids, 2002, 50, 681-694.	2.3	692
136	The effects of environment on the room-temperature mechanical behavior of single-slip oriented FeAl single crystals. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2002, 329-331, 729-733.	2.6	6
137	Deformation behavior of Mo5Si3 single crystal at high temperatures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2002, 329-331, 228-234.	2.6	22
138	Effects of processing on the microstructure and mechanical behavior of binary Crâ€“Ta alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2002, 329-331, 696-702.	2.6	5
139	Fabrication of Ni3Al thin foil by cold-rolling. Intermetallics, 2001, 9, 157-167.	1.8	62
140	Grain-boundary segregation of impurities in iridium and effects on mechanical properties. Acta Materialia, 2001, 49, 289-298.	3.8	22
141	The role of edge and screw dislocations on hydrogen embrittlement of Feâ€“40Al. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 319-321, 352-355.	2.6	7
142	Deformation and fracture of iridium: microalloying effects. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 319-321, 466-470.	2.6	17
143	Yielding and flow behavior of Mo5Si3 single crystals. Scripta Materialia, 2001, 45, 1321-1326.	2.6	44
144	Grain growth behaviour and high strain rate tensile properties of gas tungsten arc welds in iridium alloy DOPâ€“26. Science and Technology of Welding and Joining, 2000, 5, 297-303.	1.5	1

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145	Impurity effects on high-temperature tensile ductility of iridium alloys at high strain rate. Scripta Materialia, 1999, 42, 9-15.	2.6	17
146	Effect of Vacancies on the Tensile Properties of Fe-40Al Single Crystals in Air and Vacuum. Materials Characterization, 1999, 42, 161-167.	1.9	10
147	Influence of grain boundary composition on the moisture-induced embrittlement of Ni3(Si,Ti) alloys. Intermetallics, 1999, 7, 543-551.	1.8	6
148	Pinning of dislocations and the origin of the stress anomaly in FeAl alloys. Intermetallics, 1999, 7, 1059-1068.	1.8	24
149	Reply to â€œA Comment on Hydrogen-Boron Interaction and Its Effect on the Ductility and Fracture of Ni3Alâ€• Scripta Materialia, 1998, 38, 847-850.	2.6	2
150	Fabrication of large-grained binary stoichiometric Ni3Al. Scripta Materialia, 1998, 40, 63-69.	2.6	5
151	Review of Trace Element Effects on High-Temperature Fracture of Fe- and Ni-Base Alloys. Physica Status Solidi A, 1998, 167, 313-333.	1.7	21
152	An Auger investigation of the grain-boundary chemistry in Ni3(Si,Ti) alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1998, 245, 80-87.	2.6	11
153	Recent advances in B2 iron aluminide alloys: deformation, fracture and alloy design. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1998, 258, 84-98.	2.6	253
154	Segregation of lutetium and yttrium to grain boundaries in iridium alloys. Acta Materialia, 1998, 46, 893-902.	3.8	13
155	Room-temperature mechanical behavior of FeAl: effects of stoichiometry, environment, and boron addition. Acta Materialia, 1998, 46, 6245-6256.	3.8	56
156	The room temperature strengthening effect of boron as a function of aluminum concentration in FeAl. Intermetallics, 1998, 6, 177-183.	1.8	44
157	Boron contaminations and their kinetics in Ni3(Si,Ti) alloys. Intermetallics, 1998, 6, 369-377.	1.8	4
158	Thermal vacancies and the yield anomaly of FeAl. Intermetallics, 1998, 6, 759-763.	1.8	62
159	Tensile ductility, slow crack growth, and fracture mode of ternary B2 iron aluminides at room temperature. Intermetallics, 1997, 5, 185-193.	1.8	37
160	An Auger investigation of the fracture behavior of PST TiAl alloys. Intermetallics, 1997, 5, 281-288.	1.8	22
161	Effect of alloy stoichiometry on grain boundary chemistry and fracture behavior of directionally solidified Ni3Al. Intermetallics, 1997, 5, 425-432.	1.8	3
162	Characterization, Processing, and Alloy Design of NiAl-Based Shape Memory Alloys. Materials Characterization, 1997, 39, 665-686.	1.9	21

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163	Effect of quenching temperature on grain boundary chemistry and mechanical properties of Ni3(Si,Ti). Scripta Materialia, 1997, 38, 287-292.	2.6	1
164	Influence of cerium additions on high-temperature-impact ductility and fracture behavior of iridium alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1997, 28, 2049-2057.	1.1	13
165	HYDROGEN-BORON INTERACTION AND ITS EFFECT ON THE DUCTILITY AND FRACTURE OF Ni3Al. Acta Materialia, 1997, 45, 2801-2811.	3.8	30
166	Fracture in Ni3Al: Environmental and Dopant Effects. Physica Status Solidi A, 1997, 160, 517-529.	1.7	17
167	Thermal Vacancies and High-Temperature Mechanical Properties of FeAl. Physica Status Solidi A, 1997, 160, 531-540.	1.7	62
168	Grain-boundary fracture and boron effect in Ni3Si alloys. Intermetallics, 1996, 4, 77-83.	1.8	66
169	Effect of low-pressure hydrogen on the room-temperature tensile ductility and fracture behavior of Ni3Al. Intermetallics, 1996, 4, 497-502.	1.8	39
170	The effect of low-pressure oxygen exposure on the high-temperature tensile impact ductility of a thorium-doped iridium alloy. Scripta Materialia, 1996, 35, 181-185.	2.6	5
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