

Easo P George

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

200
papers

22,184
citations

62
h-index

147
g-index

201
ext. papers

26,739
ext. citations

6.2
avg, IF

7.37
L-index

#	Paper	IF	Citations
200	Effects of Cr/Ni ratio on physical properties of Cr-Mn-Fe-Co-Ni high-entropy alloys. <i>Acta Materialia</i> , 2022 , 227, 117693	8.4	2
199	Deformation mechanisms in crystalline-amorphous high-entropy composite multilayers. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022 , 143144	5.3	0
198	Effects of precipitate size and spacing on deformation-induced fcc to bcc phase transformation. <i>Materials Research Letters</i> , 2022 , 10, 585-592	7.4	0
197	Microstructure-dependent phase stability and precipitation kinetics in equiatomic CrMnFeCoNi high-entropy alloy: role of grain boundaries. <i>Acta Materialia</i> , 2021 , 117470	8.4	4
196	Surface hardening of high- and medium-entropy alloys by mechanical attrition at room and cryogenic temperatures. <i>Applied Physics Letters</i> , 2021 , 119, 201912	3.4	1
195	Tensile and compressive plastic deformation behavior of medium-entropy Cr-Co-Ni single crystals from cryogenic to elevated temperatures. <i>International Journal of Plasticity</i> , 2021 , 148, 103144	7.6	4
194	Elemental segregation to lattice defects in the CrMnFeCoNi high-entropy alloy during high temperature exposures. <i>Acta Materialia</i> , 2021 , 208, 116719	8.4	4
193	Ordering effects on deformation substructures and strain hardening behavior of a CrCoNi based medium entropy alloy. <i>Acta Materialia</i> , 2021 , 210, 116829	8.4	12
192	Bifunctional nanoprecipitates strengthen and ductilize a medium-entropy alloy. <i>Nature</i> , 2021 , 595, 245-249	34.4	32
191	Plastic deformation of single crystals of the equiatomic CrMnFeCoNi high-entropy alloy in tension and compression from 10K to 1273K. <i>Acta Materialia</i> , 2021 , 203, 116454	8.4	21
190	Laser metal deposition of refractory high-entropy alloys for high-throughput synthesis and structure-property characterization. <i>International Journal of Extreme Manufacturing</i> , 2021 , 3, 015201	7.9	7
189	Cores of 1/2$\langle 110 \rangle$-type dislocations in the CrMnFeCoNi high-entropy alloy investigated by STEM, the center of symmetry and the Nye tensor mapping techniques. <i>Microscopy and Microanalysis</i> , 2021 , 27, 3098-3099	0.5	
188	Role of deformation twinning in fatigue of CrCoNi medium-entropy alloy at room temperature. <i>Scripta Materialia</i> , 2021 , 202, 113985	5.6	7
187	Compositional variations in equiatomic CrMnFeCoNi high-entropy alloys. <i>Materials Characterization</i> , 2021 , 180, 111437	3.9	3
186	Microstructure, Texture, and Strength Development during High-Pressure Torsion of CrMnFeCoNi High-Entropy Alloy. <i>Crystals</i> , 2020 , 10, 336	2.3	18
185	SEM & STEM Multi-scale Characterization of Fatigue Damage in CrCoNi Medium-entropy Alloy with Fully Recrystallized Microstructure. <i>Microscopy and Microanalysis</i> , 2020 , 26, 2224-2225	0.5	1
184	Effects of cryogenic temperature and grain size on fatigue-crack propagation in the medium-entropy CrCoNi alloy. <i>Acta Materialia</i> , 2020 , 200, 351-365	8.4	23

183	The emergent field of high entropy oxides: Design, prospects, challenges, and opportunities for tailoring material properties. <i>APL Materials</i> , 2020 , 8, 040912	5.7	62
182	High-entropy alloys. <i>Nature Reviews Materials</i> , 2019 , 4, 515-534	73.3	932
181	On the onset of deformation twinning in the CrFeMnCoNi high-entropy alloy using a novel tensile specimen geometry. <i>Intermetallics</i> , 2019 , 110, 106469	3.5	15
180	Temperature and load-ratio dependent fatigue-crack growth in the CrMnFeCoNi high-entropy alloy. <i>Journal of Alloys and Compounds</i> , 2019 , 794, 525-533	5.7	45
179	Real-time nanoscale observation of deformation mechanisms in CrCoNi-based medium- to high-entropy alloys at cryogenic temperatures. <i>Materials Today</i> , 2019 , 25, 21-27	21.8	81
178	Laser metal deposition of compositionally graded TiZrNbTa refractory high-entropy alloys using elemental powder blends. <i>Additive Manufacturing</i> , 2019 , 25, 252-262	6.1	52
177	Columnar to equiaxed transition and grain refinement of cast CrCoNi medium-entropy alloy by microalloying with titanium and carbon. <i>Journal of Alloys and Compounds</i> , 2019 , 775, 1068-1076	5.7	37
176	Elastic moduli and thermal expansion coefficients of medium-entropy subsystems of the CrMnFeCoNi high-entropy alloy. <i>Journal of Alloys and Compounds</i> , 2018 , 746, 244-255	5.7	123
175	Thermal activation parameters of plastic flow reveal deformation mechanisms in the CrMnFeCoNi high-entropy alloy. <i>Acta Materialia</i> , 2018 , 143, 257-264	8.4	83
174	Influence of deformation induced nanoscale twinning and FCC-HCP transformation on hardening and texture development in medium-entropy CrCoNi alloy. <i>Acta Materialia</i> , 2018 , 158, 38-52	8.4	72
173	Laser metal deposition of a refractory TiZrNbHfTa high-entropy alloy. <i>Additive Manufacturing</i> , 2018 , 24, 386-390	6.1	37
172	Phase stability and kinetics of ϵ phase precipitation in CrMnFeCoNi high-entropy alloys. <i>Acta Materialia</i> , 2018 , 161, 338-351	8.4	121
171	Dislocation mechanisms and 3D twin architectures generate exceptional strength-ductility-toughness combination in CrCoNi medium-entropy alloy. <i>Nature Communications</i> , 2017 , 8, 14390	17.4	231
170	Reasons for the superior mechanical properties of medium-entropy CrCoNi compared to high-entropy CrMnFeCoNi. <i>Acta Materialia</i> , 2017 , 128, 292-303	8.4	468
169	Microstructure and texture evolution during severe plastic deformation of CrMnFeCoNi high-entropy alloy. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 194, 012028	0.4	21
168	Effect of temperature on the fatigue-crack growth behavior of the high-entropy alloy CrMnFeCoNi. <i>Intermetallics</i> , 2017 , 88, 65-72	3.5	110
167	Insights into the deformation behavior of the CrMnFeCoNi high-entropy alloy revealed by elevated temperature nanoindentation. <i>Journal of Materials Research</i> , 2017 , 32, 2658-2667	2.5	32
166	Magnetic properties of the CrMnFeCoNi high-entropy alloy. <i>Physical Review B</i> , 2017 , 96,	3.3	74

165	Nanoindentation testing as a powerful screening tool for assessing phase stability of nanocrystalline high-entropy alloys. <i>Materials and Design</i> , 2017 , 115, 479-485	8.1	51
164	Microstructure evolution and critical stress for twinning in the CrMnFeCoNi high-entropy alloy. <i>Acta Materialia</i> , 2016 , 118, 152-163	8.4	540
163	Direct Metal Deposition of Refractory High Entropy Alloy MoNbTaW. <i>Physics Procedia</i> , 2016 , 83, 624-633		64
162	On Local Phase Equilibria and the Appearance of Nanoparticles in the Microstructure of Single-Crystal Ni-Base Superalloys. <i>Advanced Engineering Materials</i> , 2016 , 18, 1556-1567	3.5	33
161	Size effect, critical resolved shear stress, stacking fault energy, and solid solution strengthening in the CrMnFeCoNi high-entropy alloy. <i>Scientific Reports</i> , 2016 , 6, 35863	4.9	232
160	Oxidation Behavior of the CrMnFeCoNi High-Entropy Alloy. <i>Oxidation of Metals</i> , 2016 , 85, 629-645	1.6	122
159	Atomic-scale characterization and modeling of 60° dislocations in a high-entropy alloy. <i>Acta Materialia</i> , 2016 , 110, 352-363	8.4	118
158	Exceptional damage-tolerance of a medium-entropy alloy CrCoNi at cryogenic temperatures. <i>Nature Communications</i> , 2016 , 7, 10602	17.4	711
157	Atomic displacement in the CrMnFeCoNi high-entropy alloy: A scaling factor to predict solid solution strengthening. <i>AIP Advances</i> , 2016 , 6, 125008	1.5	118
156	Experimental and modelling characterisation of residual stresses in cylindrical samples of rapidly cooled bulk metallic glass. <i>Materials and Design</i> , 2016 , 104, 235-241	8.1	12
155	Decomposition of the single-phase high-entropy alloy CrMnFeCoNi after prolonged anneals at intermediate temperatures. <i>Acta Materialia</i> , 2016 , 112, 40-52	8.4	485
154	Effects of boron on the fracture behavior and ductility of cast TiB ₂ Al _{0.5} V alloys. <i>Scripta Materialia</i> , 2015 , 100, 90-93	5.6	21
153	Characterization of dislocation structures and deformation mechanisms in as-grown and deformed directionally solidified NiAlMo composites. <i>Acta Materialia</i> , 2015 , 89, 315-326	8.4	15
152	Deformation-induced spatiotemporal fluctuation, evolution and localization of strain fields in a bulk metallic glass. <i>International Journal of Plasticity</i> , 2015 , 71, 136-145	7.6	40
151	Mechanical properties, microstructure and thermal stability of a nanocrystalline CoCrFeMnNi high-entropy alloy after severe plastic deformation. <i>Acta Materialia</i> , 2015 , 96, 258-268	8.4	678
150	Microstructural evolution of a CoCrFeMnNi high-entropy alloy after swaging and annealing. <i>Journal of Alloys and Compounds</i> , 2015 , 647, 548-557	5.7	127
149	Processing, Microstructure and Mechanical Properties of the CrMnFeCoNi High-Entropy Alloy. <i>Jom</i> , 2015 , 67, 2262-2270	2.1	135
148	Polycrystalline elastic moduli of a high-entropy alloy at cryogenic temperatures. <i>Intermetallics</i> , 2015 , 58, 62-64	3.5	118

147	Temperature dependencies of the elastic moduli and thermal expansion coefficient of an equiatomic, single-phase CoCrFeMnNi high-entropy alloy. <i>Journal of Alloys and Compounds</i> , 2015 , 623, 348-353	5.7	243
146	Nanoscale origins of the damage tolerance of the high-entropy alloy CrMnFeCoNi. <i>Nature Communications</i> , 2015 , 6, 10143	17.4	451
145	High-Temperature Creep and Oxidation Behavior of Mo-Si-B Alloys with High Ti Contents. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014 , 45, 1102-1117	2.3	50
144	Recovery, recrystallization, grain growth and phase stability of a family of FCC-structured multi-component equiatomic solid solution alloys. <i>Intermetallics</i> , 2014 , 46, 131-140	3.5	507
143	A fracture-resistant high-entropy alloy for cryogenic applications. <i>Science</i> , 2014 , 345, 1153-8	33.3	2700
142	Temperature dependence of the mechanical properties of equiatomic solid solution alloys with face-centered cubic crystal structures. <i>Acta Materialia</i> , 2014 , 81, 428-441	8.4	901
141	Phase-specific deformation behavior of a relatively tough NiAlCr(Mo) lamellar composite. <i>Scripta Materialia</i> , 2014 , 84-85, 59-62	5.6	30
140	Microstructural evolution after thermomechanical processing in an equiatomic, single-phase CoCrFeMnNi high-entropy alloy with special focus on twin boundaries. <i>Intermetallics</i> , 2014 , 54, 39-48	3.5	191
139	Synthesis, characterization, and nanoindentation response of single crystal FeCrNi alloys with FCC and BCC structures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 611, 177-187	5.3	29
138	Vacancy strengthening in Fe ₃ Al iron aluminides. <i>Intermetallics</i> , 2014 , 54, 95-103	3.5	13
137	Yield strength dependence on strain rate of molybdenum-alloy nanofibers. <i>Applied Physics Letters</i> , 2014 , 104, 251909	3.4	5
136	Dynamic High-temperature Testing of an Iridium Alloy in Compression at High-strain Rates. <i>Strain</i> , 2014 , 50, 539-546	1.7	12
135	Incipient plasticity and deformation mechanisms in single-crystal Mg during spherical nanoindentation. <i>Acta Materialia</i> , 2013 , 61, 2953-2965	8.4	72
134	Characterization of deformation anisotropies in an Ti alloy by nanoindentation and electron microscopy. <i>Acta Materialia</i> , 2013 , 61, 4743-4756	8.4	58
133	Relative effects of enthalpy and entropy on the phase stability of equiatomic high-entropy alloys. <i>Acta Materialia</i> , 2013 , 61, 2628-2638	8.4	774
132	Influence of fiber alignment on creep in directionally solidified NiAl ₀ Mo in-situ composites. <i>Intermetallics</i> , 2013 , 35, 110-115	3.5	14
131	A simple stochastic model for yielding in specimens with limited number of dislocations. <i>Acta Materialia</i> , 2013 , 61, 2489-2499	8.4	36
130	Re effects on phase stability and mechanical properties of MoSS+Mo ₃ Si+Mo ₅ SiB ₂ alloys. <i>Journal of Alloys and Compounds</i> , 2013 , 556, 32-38	5.7	10

129	Tensile properties of high- and medium-entropy alloys. <i>Intermetallics</i> , 2013 , 39, 74-78	3.5	648
128	The influences of temperature and microstructure on the tensile properties of a CoCrFeMnNi high-entropy alloy. <i>Acta Materialia</i> , 2013 , 61, 5743-5755	8.4	1612
127	A stochastic model for the size dependence of spherical indentation pop-in. <i>Journal of Materials Research</i> , 2013 , 28, 2728-2739	2.5	37
126	Nanoindentation of pseudoelastic NiTi containing Ni ₄ Ti ₃ precipitates. <i>International Journal of Materials Research</i> , 2012 , 103, 1434-1439	0.5	4
125	Scale effects in convoluted thermal/spatial statistics of plasticity initiation in small stressed volumes during nanoindentation. <i>Materials Science and Technology</i> , 2012 , 28, 1055-1059	1.5	30
124	Dependence of the yield stress of Fe ₃ Al on heat treatment. <i>Intermetallics</i> , 2012 , 21, 56-61	3.5	19
123	Dislocation starvation and exhaustion hardening in Mo alloy nanofibers. <i>Acta Materialia</i> , 2012 , 60, 2258-2264	3.4	125
122	Relationship between yield point phenomena and the nanoindentation pop-in behavior of steel. <i>Journal of Materials Research</i> , 2012 , 27, 39-44	2.5	30
121	In-situ tensile testing of single-crystal molybdenum-alloy fibers with various dislocation densities in a scanning electron microscope. <i>Journal of Materials Research</i> , 2012 , 27, 508-520	2.5	26
120	Size effects and stochastic behavior of nanoindentation pop in. <i>Physical Review Letters</i> , 2011 , 106, 1655024	2.4	155
119	Effect of boron on the fracture behavior and grain boundary chemistry of Ni ₃ Fe. <i>Scripta Materialia</i> , 2011 , 64, 303-306	5.6	13
118	Determining the activation energies and slip systems for dislocation nucleation in body-centered cubic Mo and face-centered cubic Ni single crystals. <i>Scripta Materialia</i> , 2011 , 65, 179-182	5.6	48
117	Influences of surface preparation on nanoindentation pop-in in single-crystal Mo. <i>Scripta Materialia</i> , 2011 , 65, 469-472	5.6	52
116	Creep in directionally solidified NiAl/Mo eutectics. <i>Scripta Materialia</i> , 2011 , 65, 699-702	5.6	26
115	Atomistic processes of dislocation generation and plastic deformation during nanoindentation. <i>Acta Materialia</i> , 2011 , 59, 934-942	8.4	111
114	Scanning transmission electron microscope observations of defects in as-grown and pre-strained Mo alloy fibers. <i>Acta Materialia</i> , 2011 , 59, 2172-2179	8.4	35
113	Indentation Schmid factor and orientation dependence of nanoindentation pop-in behavior of NiAl single crystals. <i>Journal of the Mechanics and Physics of Solids</i> , 2011 , 59, 1147-1162	5	82
112	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. <i>Journal of Materials Research</i> , 2010 , 25, 199-206	2.5	18

111	Synthesis and characterization of lamellar and fibre-reinforced NiAl-Mo and NiAl-Cr. <i>Journal of Physics: Conference Series</i> , 2010 , 240, 012063	0.3	12
110	Specimen Size Effects on Zr-Based Bulk Metallic Glasses Investigated by Uniaxial Compression and Spherical Nanoindentation. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2010 , 41, 1735-1742	2.3	33
109	Effects of focused ion beam milling and pre-straining on the microstructure of directionally solidified molybdenum pillars: A Laue diffraction analysis. <i>Scripta Materialia</i> , 2010 , 62, 746-749	5.6	34
108	Investigation of strain-induced martensitic transformation in metastable austenite using nanoindentation. <i>Scripta Materialia</i> , 2010 , 63, 540-543	5.6	121
107	Effects of boron on the microstructure and thermal stability of directionally solidified NiAlMo eutectic. <i>Acta Materialia</i> , 2010 , 58, 421-428	8.4	8
106	Effects of Ti, Zr, and Hf on the phase stability of Mo ₅₅ +Mo ₃ Si+Mo ₅ SiB ₂ alloys at 1600°C. <i>Acta Materialia</i> , 2010 , 58, 541-548	8.4	39
105	Influence of Ni on martensitic phase transformations in NiTi shape memory alloys. <i>Acta Materialia</i> , 2010 , 58, 3444-3458	8.4	526
104	Formation, stability and crystal structure of the β phase in MoReBi alloys. <i>Acta Materialia</i> , 2010 , 58, 6027-6034	8.4	5
103	Enhanced plasticity in a Zr-based bulk metallic glass composite with in situ formed intermetallic phases. <i>Applied Physics Letters</i> , 2009 , 95, 081908	3.4	30
102	Effects of focused ion beam milling on the compressive behavior of directionally solidified micropillars and the nanoindentation response of an electropolished surface. <i>Acta Materialia</i> , 2009 , 57, 503-510	8.4	174
101	Ductilization of MoBi solid solutions manufactured by powder metallurgy. <i>Acta Materialia</i> , 2009 , 57, 3895-3901	8.4	65
100	Thermal stability of Cr ₁₇ Si eutectic microstructures. <i>Acta Materialia</i> , 2009 , 57, 3823-3829	8.4	23
99	Controlled normal/shear loading and shear fracture in bulk metallic glasses. <i>Intermetallics</i> , 2009 , 17, 802-810	3.5	8
98	Shear fracture of bulk metallic glasses with controlled applied normal stresses. <i>Scripta Materialia</i> , 2008 , 59, 111-114	5.6	18
97	A different type of indentation size effect. <i>Scripta Materialia</i> , 2008 , 59, 1095-1098	5.6	202
96	Effects of alloying elements on dendritic segregation in iridium alloys. <i>Journal of Alloys and Compounds</i> , 2008 , 459, 130-134	5.7	3
95	Size-dependent plasticity and fracture of a metallic glass in compression. <i>Intermetallics</i> , 2008 , 16, 485-489	3.5	63
94	Oxygen effects on plastic deformation of a Zr-based bulk metallic glass. <i>Applied Physics Letters</i> , 2008 , 92, 011915	3.4	39

93	Spatially resolved strain measurements in Mo-alloy micropillars by differential aperture x-ray microscopy. <i>Applied Physics Letters</i> , 2008 , 93, 071904	3.4	22
92	Strength differences arising from homogeneous versus heterogeneous dislocation nucleation. <i>Physical Review B</i> , 2008 , 77,	3.3	152
91	Effects of pre-strain on the compressive stress-strain response of Mo-alloy single-crystal micropillars. <i>Acta Materialia</i> , 2008 , 56, 4762-4770	8.4	263
90	Hardness and shear band evolution in bulk metallic glasses after plastic deformation and annealing. <i>Acta Materialia</i> , 2008 , 56, 5202-5213	8.4	93
89	Small-scale mechanical behavior of intermetallics and their composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 483-484, 218-222	5.3	16
88	Compressive strengths of molybdenum alloy micro-pillars prepared using a new technique. <i>Scripta Materialia</i> , 2007 , 57, 397-400	5.6	248
87	The yield strength anomaly of single-slip-oriented FeAl single crystals. <i>Intermetallics</i> , 2007 , 15, 103-107	3.5	12
86	The Soret effect in bulk metallic glasses. <i>Intermetallics</i> , 2007 , 15, 557-563	3.5	8
85	Cooling-rate induced softening in a Zr50Cu50 bulk metallic glass. <i>Applied Physics Letters</i> , 2007 , 90, 071904	3.4	55
84	Microstructures and Mechanical Properties of in-situ V-V3B2 Composites. <i>Materials Research Society Symposia Proceedings</i> , 2006 , 980, 5		
83	Softening caused by profuse shear banding in a bulk metallic glass. <i>Physical Review Letters</i> , 2006 , 96, 105503	7.4	346
82	Thermal diffusion and compositional inhomogeneity in cast Zr50Cu50 bulk metallic glass. <i>Applied Physics Letters</i> , 2006 , 89, 051919	3.4	16
81	PVD synthesis and high-throughput property characterization of NiBeCr alloy libraries. <i>Measurement Science and Technology</i> , 2005 , 16, 46-53	2	26
80	Thermal-expansion behavior of a directionally solidified NiAlMo composite investigated by neutron diffraction and dilatometry. <i>Journal of Applied Physics</i> , 2005 , 97, 123503	2.5	16
79	Influence of indenter tip geometry on elastic deformation during nanoindentation. <i>Physical Review Letters</i> , 2005 , 95, 045501	7.4	172
78	Microstructures and mechanical properties of a directionally solidified NiAlMo eutectic alloy. <i>Acta Materialia</i> , 2005 , 53, 69-77	8.4	205
77	Metastable phase evolution and grain growth in annealed nanocrystalline CrBeNi films. <i>Thin Solid Films</i> , 2005 , 493, 307-312	2.2	14
76	Preparation of ternary alloy libraries for high-throughput screening of material properties by means of thick film deposition and interdiffusion: Benefits and limitations. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2004 , 22, 1788-1792	2.9	6

75	Theoretical strength and the onset of plasticity in bulk metallic glasses investigated by nanoindentation with a spherical indenter. <i>Physical Review Letters</i> , 2004 , 93, 125504	7.4	162
74	Elastic constants of single crystal Cr ₃ Si and Cr ₃ Si lamellar eutectic composites: a comparison of ultrasonic and nanoindentation measurements. <i>Scripta Materialia</i> , 2004 , 51, 875-879	5.6	36
73	A review of directionally solidified intermetallic composites for high-temperature structural applications. <i>Journal of Materials Science</i> , 2004 , 39, 3975-3984	4.3	43
72	Influence of iridium on the martensitic transformation in NiTi shape memory alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 378, 170-174	5.3	2
71	Directional solidification and microstructures of near-eutectic Cr ₃ Si alloys. <i>Acta Materialia</i> , 2003 , 51, 6241-6252	8.4	57
70	Effects of composition on lamellar microstructures of near-eutectic Cr ₃ Si alloys. <i>Intermetallics</i> , 2003 , 11, 283-289	3.5	37
69	Rapid structural and chemical characterization of ternary phase diagrams using synchrotron radiation. <i>Journal of Materials Research</i> , 2003 , 18, 2522-2527	2.5	19
68	Mechanical properties of soft magnetic FeCo alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2002 , 329-331, 325-333	5.3	38
67	The correlation of the indentation size effect measured with indenters of various shapes. <i>Journal of the Mechanics and Physics of Solids</i> , 2002 , 50, 681-694	5	595
66	The effects of environment on the room-temperature mechanical behavior of single-slip oriented FeAl single crystals. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2002 , 329-331, 729-733	5.3	6
65	Deformation behavior of Mo ₅ Si ₃ single crystal at high temperatures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2002 , 329-331, 228-234	5.3	21
64	Effects of processing on the microstructure and mechanical behavior of binary Cr ₃ Al alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2002 , 329-331, 696-702	5.3	3
63	Grain-boundary segregation of impurities in iridium and effects on mechanical properties. <i>Acta Materialia</i> , 2001 , 49, 289-298	8.4	19
62	The role of edge and screw dislocations on hydrogen embrittlement of Fe ₄₀ Al. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001 , 319-321, 352-353	5.3	7
61	Deformation and fracture of iridium: microalloying effects. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001 , 319-321, 466-470	5.3	14
60	Yielding and flow behavior of Mo ₅ Si ₃ single crystals. <i>Scripta Materialia</i> , 2001 , 45, 1321-1326	5.6	37
59	Fabrication of Ni ₃ Al thin foil by cold-rolling. <i>Intermetallics</i> , 2001 , 9, 157-167	3.5	58
58	Grain growth behaviour and high strain rate tensile properties of gas tungsten arc welds in iridium alloy DOP ₆ . <i>Science and Technology of Welding and Joining</i> , 2000 , 5, 297-303	3.7	1

57	Impurity effects on high-temperature tensile ductility of iridium alloys at high strain rate. <i>Scripta Materialia</i> , 1999 , 42, 9-15	5.6	15
56	Effect of Vacancies on the Tensile Properties of Fe-40Al Single Crystals in Air and Vacuum. <i>Materials Characterization</i> , 1999 , 42, 161-167	3.9	10
55	Influence of grain boundary composition on the moisture-induced embrittlement of Ni ₃ (Si,Ti) alloys. <i>Intermetallics</i> , 1999 , 7, 543-551	3.5	5
54	Pinning of dislocations and the origin of the stress anomaly in FeAl alloys. <i>Intermetallics</i> , 1999 , 7, 1059-1068	3.5	21
53	Reply to A Comment on Hydrogen-Boron Interaction and Its Effect on the Ductility and Fracture of Ni ₃ Al. <i>Scripta Materialia</i> , 1998 , 38, 847-850	5.6	2
52	Fabrication of large-grained binary stoichiometric Ni ₃ Al. <i>Scripta Materialia</i> , 1998 , 40, 63-69	5.6	5
51	Review of Trace Element Effects on High-Temperature Fracture of Fe- and Ni-Base Alloys. <i>Physica Status Solidi A</i> , 1998 , 167, 313-333		14
50	An Auger investigation of the grain-boundary chemistry in Ni ₃ (Si,Ti) alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1998 , 245, 80-87	5.3	11
49	Recent advances in B ₂ iron aluminide alloys: deformation, fracture and alloy design. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1998 , 258, 84-98	5.3	238
48	Segregation of lutetium and yttrium to grain boundaries in iridium alloys. <i>Acta Materialia</i> , 1998 , 46, 893-902	3.5	12
47	Room-temperature mechanical behavior of FeAl: effects of stoichiometry, environment, and boron addition. <i>Acta Materialia</i> , 1998 , 46, 6245-6256	8.4	51
46	The room temperature strengthening effect of boron as a function of aluminum concentration in FeAl. <i>Intermetallics</i> , 1998 , 6, 177-183	3.5	42
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39	Effect of quenching temperature on grain boundary chemistry and mechanical properties of Ni ₃ (Si,Ti). <i>Scripta Materialia</i> , 1997 , 38, 287-292	5.6	1
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