

John J Lewandowski

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.

248
papers

11,862
citations

53
h-index

102
g-index

256
ext. papers

12,898
ext. citations

4.2
avg, IF

6.68
L-index

#	Paper	IF	Citations
248	Microstructural and micro-mechanical analysis of 14YWT nanostructured Ferritic alloy after varying thermo-mechanical processing paths into tubing. <i>Materials Characterization</i> , 2021 , 171, 110744	3.9	2
247	Build Size and Orientation Influence on Mechanical Properties of Powder Bed Fusion Deposited Titanium Parts. <i>Metals</i> , 2020 , 10, 1340	2.3	9
246	Effects of build orientation and sample geometry on the mechanical response of miniature CP-Ti Grade 2 strut samples manufactured by laser powder bed fusion. <i>Additive Manufacturing</i> , 2020 , 35, 101403	6.1	8
245	Environmentally induced crack (EIC) initiation, propagation, and failure: A 3D in-situ time-lapse study of AA5083 H131. <i>Corrosion Science</i> , 2020 , 174, 108834	6.8	6
244	Integrated Computational Materials Engineering of Gamma Titanium Aluminides for Aerospace Applications. <i>MATEC Web of Conferences</i> , 2020 , 321, 08002	0.3	1
243	Plasma Focused Ion Beam Serial Sectioning as a Technique to Characterize Nonmetallic Inclusions in Superelastic Nitinol Fine Wires. <i>Microscopy and Microanalysis</i> , 2020 , 26, 1088-1099	0.5	
242	Fracture toughness of cast and extruded Al6061/15%Al ₂ O ₃ p metal matrix composites. <i>Australian Journal of Mechanical Engineering</i> , 2020 , 18, S37-S45	1	4
241	Tension and fatigue behavior of Al-2124A/SiC-particulate metal matrix composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020 , 770, 138518	5.3	17
240	Initiation and short crack growth behaviour of environmentally induced cracks in AA5083 H131 investigated across time and length scales. <i>Corrosion Reviews</i> , 2019 , 37, 469-481	3.2	7
239	Estimation of environment-induced crack growth rate as a function of stress intensity factors generated during slow strain rate testing of aluminum alloys. <i>Corrosion Reviews</i> , 2019 , 37, 499-506	3.2	3
238	Through-thickness inhomogeneity of environmentally assisted cracking (EAC) in AA5083-H128 alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 740-741, 34-48	5.3	12
237	Evolution of fatigue crack growth and fracture behavior in gamma titanium aluminide Ti-43.5Al-4Nb-1Mo-0.1B (TNM) forgings. <i>International Journal of Fatigue</i> , 2018 , 111, 54-69	5	11
236	Anharmonic model for the elastic constants of bulk metallic glass across the glass transition. <i>Physical Review B</i> , 2018 , 97,	3.3	4
235	Effects of thickness and orientation on the small scale fracture behaviour of additively manufactured Ti-6Al-4V. <i>Materials Characterization</i> , 2018 , 143, 94-109	3.9	44
234	Sensitization and remediation effects on environmentally assisted cracking of Al-Mg naval alloys. <i>Corrosion Science</i> , 2018 , 138, 219-241	6.8	16
233	A Critical Review on Metallic Glasses as Structural Materials for Cardiovascular Stent Applications. <i>Journal of Functional Biomaterials</i> , 2018 , 9,	4.8	41
232	Anisotropy of corrosion and environmental cracking in AA5083-H128 Al-Mg alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018 , 730, 367-379	5.3	15

231	4.4 Fracture Toughness and Fatigue of Particulate Metal Matrix Composites 2018 , 86-136		3
230	The evolution and effects of second phase particles during hot extrusion and re-extrusion of a NiTi shape memory alloy. <i>Journal of Alloys and Compounds</i> , 2018 , 735, 1145-1151	5-7	4
229	Fatigue behavior of high-entropy alloys: A review. <i>Science China Technological Sciences</i> , 2018 , 61, 168-178.	9.5	53
228	Effects of Post-processing on Microstructure and Mechanical Properties of SLM-Processed IN-718. <i>Minerals, Metals and Materials Series</i> , 2018 , 515-526	0-3	4
227	Defect distribution and microstructure heterogeneity effects on fracture resistance and fatigue behavior of EBM Ti6Al4V. <i>International Journal of Fatigue</i> , 2017 , 94, 263-287	5	139
226	Stability of nanosized oxides in ferrite under extremely high dose self ion irradiations. <i>Journal of Nuclear Materials</i> , 2017 , 486, 86-95	3-3	44
225	Effects of surface laser treatments on microstructure, tension, and fatigue behavior of AISI 316LVM biomedical wires. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 688, 101-113	5-3	34
224	Progress Towards Metal Additive Manufacturing Standardization to Support Qualification and Certification. <i>Jom</i> , 2017 , 69, 439-455	2-1	194
223	Microstructural heterogeneity and texture of as-received, vacuum arc-cast, extruded, and re-extruded NiTi shape memory alloy. <i>Journal of Alloys and Compounds</i> , 2017 , 712, 494-509	5-7	14
222	Improved understanding of environment-induced cracking (EIC) of sensitized 5XXX series aluminium alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 682, 613-621	5-3	29
221	Effect of tube processing methods on microstructure, mechanical properties and irradiation response of 14YWT nanostructured ferritic alloys. <i>Acta Materialia</i> , 2017 , 134, 116-127	8-4	36
220	Pre-exposure embrittlement of a commercial Al-Mg-Mn alloy, AA5083-H131. <i>Corrosion Reviews</i> , 2017 , 35, 275-290	3-2	12
219	Fatigue crack growth and fracture behavior of as-cast Ti-43.5Al-4Nb-1Mo-0.1B (TNM) compared to Ti-48Al-2Nb-2Cr (4822). <i>Intermetallics</i> , 2017 , 91, 158-168	3-5	8
218	Effects of HIP on microstructural heterogeneity, defect distribution and mechanical properties of additively manufactured EBM Ti-48Al-2Cr-2Nb. <i>Journal of Alloys and Compounds</i> , 2017 , 729, 1118-1135	5-7	73
217	Degradation of metallic materials studied by correlative tomography. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 219, 012001	0-4	6
216	Processing and Properties of Ni-Based Bulk Metallic Glass via Spark Plasma Sintering of Pulverized Amorphous Ribbons. <i>MRS Advances</i> , 2017 , 2, 3815-3820	0-7	4
215	High-entropy Al _{0.3} CoCrFeNi alloy fibers with high tensile strength and ductility at ambient and cryogenic temperatures. <i>Acta Materialia</i> , 2017 , 123, 285-294	8-4	262
214	Microstructure, Texture and Mechanical Properties of the 14YWT Nanostructured Ferritic Alloy NFA-1. <i>Minerals, Metals and Materials Series</i> , 2017 , 43-54	0-3	3

213	Effect of tube processing methods on the texture and grain boundary characteristics of 14YWT nanostructured ferritic alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 661, 222-232	5.3	25
212	Flex Bending Fatigue of Dental Archwires. <i>Microscopy and Microanalysis</i> , 2016 , 22, 1742-1743	0.5	
211	Process Mapping, Fracture and Fatigue Behavior of Ti-6Al-4V Produced by Ebm Additive Manufacturing 2016 , 1373-1377		13
210	Microstructure and Mechanical Properties of Ti-48Al-2Cr-2Nb Manufactured Via Electron Beam Melting 2016 , 1317-1322		9
209	Overview of Materials Qualification Needs for Metal Additive Manufacturing. <i>Jom</i> , 2016 , 68, 747-764	2.1	301
208	Metal Additive Manufacturing: A Review of Mechanical Properties. <i>Annual Review of Materials Research</i> , 2016 , 46, 151-186	12.8	827
207	Fatigue and fracture of wires and cables for biomedical applications. <i>International Materials Reviews</i> , 2016 , 61, 231-314	16.1	20
206	Weibull modulus of hardness, bend strength, and tensile strength of Ni ₄₀ Co ₆₀ metallic glass ribbons. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 634, 176-182	5.3	9
205	An improved method for calculation of elastic constants of metallic glasses. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 634, 183-187	5.3	1
204	Fracture Toughness and Fatigue Crack Growth Behavior of As-Cast High-Entropy Alloys. <i>Jom</i> , 2015 , 67, 2288-2295	2.1	93
203	Guiding and Deflecting Cracks in Bulk Metallic Glasses to Increase Damage Tolerance. <i>Advanced Engineering Materials</i> , 2015 , 17, 620-625	3.5	15
202	Effects of test orientation on fracture and fatigue crack growth behavior of third generation as-cast Ti ₈₂ Al ₁₀ Nb ₈ Cr. <i>Intermetallics</i> , 2015 , 57, 73-82	3.5	35
201	Grain orientation effects on delamination during fatigue of a sensitized AlMg alloy. <i>Philosophical Magazine Letters</i> , 2015 , 95, 526-533	1	7
200	Evaluation of Orientation Dependence of Fracture Toughness and Fatigue Crack Propagation Behavior of As-Deposited ARCAM EBM Ti-6Al-4V. <i>Jom</i> , 2015 , 67, 597-607	2.1	79
199	Sample size and preparation effects on the tensile ductility of Pd-based metallic glass nanowires. <i>Acta Materialia</i> , 2015 , 87, 1-7	8.4	43
198	Effects of particulate volume fraction on cyclic stress response and fatigue life of AZ91D magnesium alloy metal matrix composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 600, 188-194	5.3	22
197	A Damage-tolerant Bulk Metallic Glass at Liquid-nitrogen Temperature. <i>Journal of Materials Science and Technology</i> , 2014 , 30, 627-630	9.1	14
196	Flex bending fatigue testing of wires, foils, and ribbons. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 601, 123-130	5.3	20

195	First-principles calculation of elastic moduli of early-late transition metal alloys. <i>Physical Review B</i> , 2014 , 89,	3.3	7
194	Dynamic Fracture of a Zr-based Bulk Metallic Glass. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2013 , 44, 4644-4653	2.3	10
193	Effects of mixed mode loading on the fracture toughness of bulk metallic glass/W composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 586, 413-417	5.3	5
192	Modern fracture mechanics. <i>Philosophical Magazine</i> , 2013 , 93, 3893-3906	1.6	4
191	Pressure and temperature effects on tensile strength and plasticity of metallic glasses. <i>Mechanics of Materials</i> , 2013 , 67, 86-93	3.3	9
190	The effect of mixed mode I/II on the fracture toughness and fracture behavior of nano-structured metal matrix composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 559, 897-901	5.3	5
189	Outer medium effects and fracture nucleation sites in model experiments to mimic fracture surface features of metallic glasses. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 538, 259-264	5.3	9
188	The effects of changes in test temperature and loading conditions on fracture toughness of a toughened Zr-based bulk metallic glass composite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 540, 97-101	5.3	7
187	Toughness, extrinsic effects and Poisson's ratio of bulk metallic glasses. <i>Acta Materialia</i> , 2012 , 60, 4800-4809	4.9	94
186	Delamination of Sensitized Al-Mg Alloy During Fatigue Crack Growth in Room Temperature Air. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012 , 43, 3952-3956	2.3	10
185	Sustained-load crack growth of hydrogen-charged surface-hardened 316L stainless steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 556, 43-50	5.3	6
184	Effects of load ratio, R, and test temperature on high cycle fatigue behavior of nano-structured Al ₇₀ Y ₂₀ Ni ₁₀ alloy composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 558, 211-216	5.3	4
183	Failure Analysis of Cast Iron Trunk Main in Cleveland, Ohio. <i>Journal of Failure Analysis and Prevention</i> , 2012 , 12, 217-236	0.9	9
182	Effects of Composition Changes on Strength, Bend Ductility, Toughness, and Flex-Bending Fatigue of Iron-Based Metallic Glass Ribbons. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012 , 43, 2697-2705	2.3	8
181	Effects of Changes in Chemistry on Flex Bending Fatigue Behavior of Al-Based Amorphous Alloy Ribbons. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012 , 43, 2687-2696	2.3	6
180	Effects of microstructure on high strain rate deformation and flow behaviour of Al ₇₀ Mg ₂₀ Bi alloy (AA 6061) under uniaxial compression and combined compression and shear loading. <i>Materials Science and Technology</i> , 2011 , 27, 13-20	1.5	12
179	Increased Toughness of Zirconium-Based Bulk Metallic Glasses Tested under Mixed Mode Conditions. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2010 , 41, 149-158	2.3	29
178	Stress-State Effects on the Fracture of a Zr-Ti-Ni-Cu-Be Bulk Amorphous Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2010 , 41, 1758-1766	2.3	16

177	Effects of Changes in Chemistry and Testing Temperature on Mechanical Behavior of Al-Based Amorphous Alloy Ribbons. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2010 , 41, 2269-2275	2.3	9
176	Fatigue coxing experiments on a Zr-based bulk-metallic glass. <i>Scripta Materialia</i> , 2010 , 62, 481-484	5.6	19
175	Delamination of a sensitized commercial AlMg alloy during fatigue crack growth. <i>Scripta Materialia</i> , 2010 , 63, 799-802	5.6	24
174	Shear yield and flow behavior of a zirconium-based bulk metallic glass. <i>Mechanics of Materials</i> , 2010 , 42, 248-255	3.3	15
173	Microstructural effects on tension behavior of Cu ₅₅ Ni ₁₈ Sn sheet. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 769-781	5.3	24
172	Model experiments to mimic fracture surface features in metallic glasses. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 2207-2213	5.3	21
171	Microstructural effects on crack path selection in bending and fatigue in a Nb ₁₉ Si ₈ Cr _{3.5} Hf _{2.4} Ti _{0.75} Sn ₁ W alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 1489-1500	5.3	6
170	Effects of changes in strain rate and test temperature on Mg ₈₅ Ca ₅ Cu ₁₀ metallic glass ribbons. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 2214-2221	5.3	8
169	Pressure effects on metallic glasses. <i>Acta Materialia</i> , 2010 , 58, 1026-1036	8.4	47
168	Compressive plasticity and toughness of a Ti-based bulk metallic glass. <i>Acta Materialia</i> , 2010 , 58, 1708-1720	8.4	99
167	Fatigue Crack Growth Behavior Evaluation of Grainex Mar-M 247 for NASA's High Temperature High Speed Turbine Seal Test Rig. <i>Journal of Engineering for Gas Turbines and Power</i> , 2009 , 131,	1.7	1
166	Ductile-to-brittle transition in a Ti-based bulk metallic glass. <i>Scripta Materialia</i> , 2009 , 60, 1027-1030	5.6	45
165	Laminated nanostructure composites with improved bend ductility and toughness. <i>Scripta Materialia</i> , 2009 , 61, 1072-1074	5.6	26
164	Putting the heat on nano-composite aluminium alloys. <i>Metal Powder Report</i> , 2009 , 64, 28-34	2	1
163	Design of Inserts for Split-Hopkinson Pressure Bar Testing of Low Strain-to-Failure Materials. <i>Experimental Mechanics</i> , 2009 , 49, 479-490	2.6	32
162	Effects of Thermal Exposure and Test Temperature on Structure Evolution and Hardness/Viscosity of an Iron-Based Metallic Glass. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2009 , 40, 1314-1323	2.3	24
161	High cycle fatigue behavior of a nanostructured composite produced via extrusion of amorphous Al ₈₉ Gd ₇ Ni ₃ Fe ₁ alloy powders. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 513-514, 202-207	5.3	7
160	Spall strength of a zirconium-based bulk metallic glass under shock-induced compression-and-shear loading. <i>Mechanics of Materials</i> , 2009 , 41, 886-897	3.3	19

159	Effects of microstructural changes, loading conditions and test temperature on toughness of fully pearlitic eutectoid steel used in transportation industry. <i>Materials Science and Technology</i> , 2009 , 25, 369-378	1.5	5
158	Mathematical modeling and mechanical and histopathological testing of porous prosthetic pylon for direct skeletal attachment. <i>Journal of Rehabilitation Research and Development</i> , 2009 , 46, 315-30		15
157	Chemistry (intrinsic) and inclusion (extrinsic) effects on the toughness and Weibull modulus of Fe-based bulk metallic glasses. <i>Philosophical Magazine Letters</i> , 2008 , 88, 853-861	1	41
156	Fracture and Fatigue of Niobium Silicide Alloys. <i>Materials Research Society Symposia Proceedings</i> , 2008 , 1128, 70101		
155	Tough Fe-based bulk metallic glasses. <i>Applied Physics Letters</i> , 2008 , 92, 091918	3.4	106
154	Effect of high strain rates on peak stress in a Zr-based bulk metallic glass. <i>Journal of Applied Physics</i> , 2008 , 104, 093522	2.5	31
153	Microstructural effects on tension and fatigue behavior of Cu ₁₅ Ni ₈₅ Sn sheet. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 491, 137-146	5.3	15
152	Tension and fatigue behavior of silver-cored composite multi-strand cables used as implantable cables and electrodes. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 492, 191-198	5.3	13
151	Effects of Annealing and Pressure on Devitrification and Mechanical Properties of Amorphous Al ₈₇ Ni ₇ Gd ₆ . <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2008 , 39, 1935-1941	2.3	17
150	Effects of Test Temperature and Loading Conditions on the Tensile Properties of a Zr-Based Bulk Metallic Glass. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2008 , 39, 1922-1934	2.3	32
149	Interface Effects on the Quasi-Static and Impact Toughness of Discontinuously Reinforced Aluminum Laminates. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2008 , 39, 1993-2006	2.3	17
148	Effects of Changes in Test Temperature and Loading Conditions on Fracture Toughness of a Zr-Based Bulk Metallic Glass. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2008 , 39, 2077-2085	2.3	26
147	Tension and fatigue behavior of 316LVM 1x7 multi-strand cables used as implantable electrodes. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 486, 447-454	5.3	16
146	Effects of Changes in Notch Radius and Test Temperature on the Toughness of a Nano-crystalline Aluminum Alloy Composite Produced via Extrusion of Amorphous Aluminum Alloy Powders. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 497, 212-215	5.3	14
145	Local temperature rises during mechanical testing of metallic glasses. <i>Journal of Materials Research</i> , 2007 , 22, 419-427	2.5	81
144	Inertial stabilization of buckling at high rates of loading and low test temperatures: Implications for dynamic crush resistance of aluminum-alloy-based sandwich plates with lattice core. <i>Acta Materialia</i> , 2007 , 55, 2829-2840	8.4	19
143	Mechanical Properties of Bulk Metallic Glasses. <i>MRS Bulletin</i> , 2007 , 32, 635-638	3.2	298
142	Effects of annealing and specimen geometry on dynamic compression of a Zr-based bulk metallic glass. <i>Journal of Materials Research</i> , 2007 , 22, 389-401	2.5	57

141	Effects of high temperature and thermal exposure on fatigue crack propagation of laminated metal composites. <i>Materials Science and Technology</i> , 2007 , 23, 1505-1512	1.5	6
140	Spall strength and Hugoniot elastic limit of a zirconium-based bulk metallic glass under planar shock compression. <i>Journal of Materials Research</i> , 2007 , 22, 402-411	2.5	53
139	Intrinsic and extrinsic toughening of metallic glasses. <i>Scripta Materialia</i> , 2006 , 54, 337-341	5.6	124
138	Periodic corrugation on dynamic fracture surface in brittle bulk metallic glass. <i>Applied Physics Letters</i> , 2006 , 89, 181911	3.4	40
137	Temperature rise at shear bands in metallic glasses. <i>Nature Materials</i> , 2006 , 5, 15-18	27	736
136	Effects of Annealing on Dynamic Behavior of a Bulk Metallic Glass 2005 , 131		1
135	Fracture of brittle metallic glasses: brittleness or plasticity. <i>Physical Review Letters</i> , 2005 , 94, 125510	7.4	435
134	Intrinsic plasticity or brittleness of metallic glasses. <i>Philosophical Magazine Letters</i> , 2005 , 85, 77-87	1	927
133	Effects of microstructural characteristics on mechanical properties of open-cell nickel foams. <i>Materials Science and Technology</i> , 2005 , 21, 1355-1358	1.5	12
132	Understanding the Glass-forming Ability of Cu50Zr50 Alloys in Terms of a Metastable Eutectic. <i>Journal of Materials Research</i> , 2005 , 20, 2307-2313	2.5	163
131	Forging of Discontinuously Reinforced Aluminum Composites 2005 , 366-373		2
130	Hydrostatic Extrusion of Metals and Alloys 2005 , 440-447		
129	Preliminary assessment of flow, notch toughness, and high temperature behavior of Cu60Zr20Hf10Ti10 bulk metallic glass. <i>Scripta Materialia</i> , 2004 , 51, 151-154	5.6	67
128	Effects of changes in temperature on fatigue crack growth of adhesively bonded Al 2080/SiC/20p-2080 Al laminated composites. <i>Journal of Materials Science</i> , 2004 , 39, 3063-3067	4.3	8
127	Effects of lamination and changes in layer thickness on fatigue-crack propagation of lightweight laminated metal composites. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2004 , 35, 45-52	2.3	20
126	Effects of changes in test temperature on fatigue crack propagation of Al6090/SiCp-Al 6013 laminated metal composites. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2004 , 35, 2291-2303	2.3	7
125	Effects of load ratio, R, and test temperature on fatigue crack growth of fully pearlitic eutectoid steel (fatigue crack growth of pearlitic steel). <i>International Journal of Fatigue</i> , 2004 , 26, 305-309	5	34
124	Resistance curve behavior of polycrystalline niobium failing via cleavage. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 366, 56-65	5.3	4

123	Effects of test temperature and grain size on the charpy impact toughness and dynamic toughness (K _{ID}) of polycrystalline niobium. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2003 , 34, 967-978	2.3	12
122	Strength differential measurements in IN 718: Effects of superimposed pressure. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2003 , 34, 1736-1739	2.3	7
121	Quantitative evaluation of BeAl nano-particles in amorphous Al ₈₇ Ni ₇ Gd ₆ Comparison of XRD, DSC, and TEM. <i>Scripta Materialia</i> , 2003 , 48, 1537-1541	5.6	32
120	Effects of processing conditions and test temperature on fatigue crack growth and fracture toughness of BeAl metal matrix composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003 , 344, 215-228	5.3	5
119	Ultrahigh-Temperature Nb-Silicide-Based Composites. <i>MRS Bulletin</i> , 2003 , 28, 646-653	3.2	241
118	Microstructure-property relationships in pearlitic eutectoid and hypereutectoid carbon steels. <i>Jom</i> , 2002 , 54, 25-30	2.1	62
117	Pressure effects on flow and fracture of Be-Al alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2002 , 33, 3555-3564	2.3	8
116	FORGING/FORMING SIMULATION STUDIES ON A UNIQUE, HIGH CAPACITY DEFORMATION SIMULATOR APPARATUS. <i>Materials and Manufacturing Processes</i> , 2002 , 17, 737-764	4.1	4
115	Effects of hydrostatic pressure on the flow and fracture of a bulk amorphous metal. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 2002 , 82, 3427-3441		147
114	Effects of Annealing and Annealing with Pressure on Devitrification of Al ₈₇ Ni ₇ Gd ₆ . <i>Materials Research Society Symposia Proceedings</i> , 2002 , 754, 1		
113	Effects of Superimposed Pressure on Flow and Fracture of Two Bulk Amorphous Metals. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 754, 1		1
112	Hardness Indentation Studies On Metallic Glasses. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 754, 1		
111	Fracture Toughness of Amorphous Metals and Composites. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 754, 1		3
110	Effects of annealing at high pressure on structure and mechanical properties of Al ₈₇ Ni ₇ Gd ₆ metallic glass. <i>Intermetallics</i> , 2002 , 10, 1099-1103	3.5	26
109	Effects of Annealing and Changes in Stress State on Fracture Toughness of Bulk Metallic Glass. <i>Materials Transactions</i> , 2001 , 42, 633-637	1.3	98
108	Fracture and Fatigue of Particulate MMCs 2000 , 151-187		13
107	Deformation and fracture toughness of a bulk amorphous Zr ₅₅ Ni ₁₀ Cu ₃₅ Be alloy. <i>Intermetallics</i> , 2000 , 8, 487-492	3.5	85
106	Fatigue and fracture of porous steels and Cu-infiltrated porous steels. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1999 , 30, 325-334	2.3	9

105	Effects of superimposed hydrostatic pressure on flow and fracture of a Zr-Ti-Ni-Cu-Be bulk amorphous alloy. <i>Scripta Materialia</i> , 1999 , 41, 19-24	5.6	138
104	Fracture toughness and notched toughness of bulk amorphous alloy: Zr-Ti-Ni-Cu-Be. <i>Scripta Materialia</i> , 1998 , 38, 1811-1817	5.6	210
103	Fatigue crack growth behavior of Nb-10Si in-situ composites. <i>Scripta Materialia</i> , 1998 , 38, 1775-1780	5.6	7
102	Effects of R-ratio on the fatigue crack growth of Nb-Si(ss) and Nb-10Si In Situ composites. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1998 , 29, 1749-1757 ^{2,3}	2.3	22
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