John J Lewandowski

List of Publications by Year
in descending order

250	14,024	26630	23533
papers	citations	56 h-index	111 g-index

256	256	256	6714
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Use of Miniature Specimens to Determine Local Properties and Fracture Behavior of LPBF-Processed Inconel 718 in as-Deposited and Post-Treated States. Materials, 2022, 15, 4724.	2.9	2
2	Microstructural and micro-mechanical analysis of 14YWT nanostructured Ferritic alloy after varying thermo-mechanical processing paths into tubing. Materials Characterization, 2021, 171, 110744.	4.4	5
3	Fracture toughness of cast and extruded Al6061/15%Al₂O₃p metal matrix composites. Australian Journal of Mechanical Engineering, 2020, 18, S37-S45.	2.1	5
4	Tension and fatigue behavior of Al-2124A/SiC-particulate metal matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 770, 138518.	5.6	29
5	Build Size and Orientation Influence on Mechanical Properties of Powder Bed Fusion Deposited Titanium Parts. Metals, 2020, 10, 1340.	2.3	18
6	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. Additive Manufacturing, 2020, 35, 101403.	3.0	16
7	Environmentally induced crack (EIC) initiation, propagation, and failure: A 3D in-situ time-lapse study of AA5083 H131. Corrosion Science, 2020, 174, 108834.	6.6	13
8	Integrated Computational Materials Engineering of Gamma Titanium Aluminides for Aerospace Applications. MATEC Web of Conferences, 2020, 321, 08002.	0.2	1
9	Plasma Focused Ion Beam Serial Sectioning as a Technique to Characterize Nonmetallic Inclusions in Superelastic Nitinol Fine Wires. Microscopy and Microanalysis, 2020, 26, 1088-1099.	0.4	0
10	Initiation and short crack growth behaviour of environmentally induced cracks in AA5083 H131 investigated across time and length scales. Corrosion Reviews, 2019, 37, 469-481.	2.0	12
11	Estimation of environment-induced crack growth rate as a function of stress intensity factors generated during slow strain rate testing of aluminum alloys. Corrosion Reviews, 2019, 37, 499-506.	2.0	6
12	Through-thickness inhomogeneity of environmentally assisted cracking (EAC) in AA5083-H128 alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 740-741, 34-48.	5.6	20
13	Evolution of fatigue crack growth and fracture behavior in gamma titanium aluminide Ti-43.5Al-4Nb-1Mo-0.1B (TNM) forgings. International Journal of Fatigue, 2018, 111, 54-69.	5.7	20
14	Anharmonic model for the elastic constants of bulk metallic glass across the glass transition. Physical Review B, 2018, 97, .	3.2	4
15	Effects of thickness and orientation on the small scale fracture behaviour of additively manufactured Ti-6Al-4V. Materials Characterization, 2018, 143, 94-109.	4.4	79
16	Sensitization and remediation effects on environmentally assisted cracking of Al-Mg naval alloys. Corrosion Science, 2018, 138, 219-241.	6.6	28
17	The evolution and effects of second phase particles during hot extrusion and re-extrusion of a NiTi shape memory alloy. Journal of Alloys and Compounds, 2018, 735, 1145-1151.	5.5	8
18	Fatigue behavior of high-entropy alloys: A review. Science China Technological Sciences, 2018, 61, 168-178.	4.0	71

#	Article	IF	Citations
19	Effects of Post-processing on Microstructure and Mechanical Properties of SLM-Processed IN-718. Minerals, Metals and Materials Series, 2018, , 515-526.	0.4	7
20	A Critical Review on Metallic Glasses as Structural Materials for Cardiovascular Stent Applications. Journal of Functional Biomaterials, 2018, 9, 19.	4.4	59
21	Anisotropy of corrosion and environmental cracking in AA5083-H128 Al-Mg alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 730, 367-379.	5.6	24
22	4.4 Fracture Toughness and Fatigue of Particulate Metal Matrix Composites. , 2018, , 86-136.		3
23	Defect distribution and microstructure heterogeneity effects on fracture resistance and fatigue behavior of EBM Tiâ€“6Alâ€“4V. International Journal of Fatigue, 2017, 94, 263-287.	5.7	191
24	Stability of nanosized oxides in ferrite under extremely high dose self ion irradiations. Journal of Nuclear Materials, 2017, 486, 86-95.	2.7	51
25	Effects of surface laser treatments on microstructure, tension, and fatigue behavior of AISI 316LVM biomedical wires. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 688, 101-113.	5.6	35
26	Progress Towards Metal Additive Manufacturing Standardization to Support Qualification and Certification. Jom, 2017, 69, 439-455.	1.9	279
27	Microstructural heterogeneity and texture of as-received, vacuum arc-cast, extruded, and re-extruded NiTi shape memory alloy. Journal of Alloys and Compounds, 2017, 712, 494-509.	5.5	15
28	Improved understanding of environment-induced cracking (EIC) of sensitized 5XXX series aluminium alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 682, 613-621.	5.6	40
29	Effect of tube processing methods on microstructure, mechanical properties and irradiation response of 14YWT nanostructured ferritic alloys. Acta Materialia, 2017, 134, 116-127.	7.9	49
30	Pre-exposure embrittlement of a commercial Al-Mg-Mn alloy, AA5083-H131. Corrosion Reviews, 2017, 35, 275-290.	2.0	16
31	Fatigue crack growth and fracture behavior of as-cast Ti-43.5Al-4Nb-1Mo-0.1B (TNM) compared to Ti-48Al-2Nb-2Cr (4822). Intermetallics, 2017, 91, 158-168.	3.9	11
32	Effects of HIP on microstructural heterogeneity, defect distribution and mechanical properties of additively manufactured EBM Ti-48Al-2Cr-2Nb. Journal of Alloys and Compounds, 2017, 729, 1118-1135.	5.5	102
33	Degradation of metallic materials studied by correlative tomography. IOP Conference Series: Materials Science and Engineering, 2017, 219, 012001.	0.6	7
34	Processing and Properties of Ni-Based Bulk Metallic Glass via Spark Plasma Sintering of Pulverized Amorphous Ribbons. MRS Advances, 2017, 2, 3815-3820.	0.9	4
35	High-entropy Al0.3CoCrFeNi alloy fibers with high tensile strength and ductility at ambient and cryogenic temperatures. Acta Materialia, 2017, 123, 285-294.	7.9	378
36	Properties of Discontinuously Reinforced Metal Matrix: Composites and Laminates. , 2016, , .		0

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37	Flex Bending Fatigue of Dental Archwires. Microscopy and Microanalysis, 2016, 22, 1742-1743.	0.4	0
38	Overview of Materials Qualification Needs for Metal Additive Manufacturing. Jom, 2016, 68, 747-764.	1.9	427
39	Metal Additive Manufacturing: A Review of Mechanical Properties. Annual Review of Materials Research, 2016, 46, 151-186.	9.3	1,174
40	Fatigue and fracture of wires and cables for biomedical applications. International Materials Reviews, 2016, 61, 231-314.	19.3	25
41	Effect of tube processing methods on the texture and grain boundary characteristics of 14YWT nanostructured ferritic alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 661, 222-232.	5.6	32
42	Grain orientation effects on delamination during fatigue of a sensitized Alâ€“Mg alloy. Philosophical Magazine Letters, 2015, 95, 526-533.	1.2	8
43	Evaluation of Orientation Dependence of Fracture Toughness and Fatigue Crack Propagation Behavior of As-Deposited ARCAM EBM Ti-6Al-4V. Jom, 2015, 67, 597-607.	1.9	88
44	Sample size and preparation effects on the tensile ductility of Pd-based metallic glass nanowires. Acta Materialia, 2015, 87, 1-7.	7.9	53
45	Weibull modulus of hardness, bend strength, and tensile strength of Niâ^'Taâ^'Coâ^'X metallic glass ribbons. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 634, 176-182.	5.6	12
46	An improved method for calculation of elastic constants of metallic glasses. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 634, 183-187.	5.6	1
47	Fracture Toughness and Fatigue Crack Growth Behavior of As-Cast High-Entropy Alloys. Jom, 2015, 67, 2288-2295.	1.9	129
48	Guiding and Deflecting Cracks in Bulk Metallic Glasses to Increase Damage Tolerance. Advanced Engineering Materials, 2015, 17, 620-625.	3.5	15
49	Effects of test orientation on fracture and fatigue crack growth behavior of third generation as-cast Tiâ€“48Alâ€“2Nbâ€“2Cr. Intermetallics, 2015, 57, 73-82.	3.9	45
50	First-principles calculation of elastic moduli of early-late transition metal alloys. Physical Review B, 2014, 89, .	3.2	8
51	Effects of particulate volume fraction on cyclic stress response and fatigue life of AZ91D magnesium alloy metal matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 600, 188-194.	5.6	32
52	A Damage-tolerant Bulk Metallic Glass at Liquid-nitrogen Temperature. Journal of Materials Science and Technology, 2014, 30, 627-630.	10.7	15
53	Flex bending fatigue testing of wires, foils, and ribbons. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 601, 123-130.	5.6	20
54	Dynamic Fracture of a Zr-based Bulk Metallic Glass. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 4644-4653.	2.2	14

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55	Effects of mixed mode loading on the fracture toughness of bulk metallic glass/W composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 586, 413-417.	5.6	5
56	Modern fracture mechanics. Philosophical Magazine, 2013, 93, 3893-3906.	1.6	5
57	Pressure and temperature effects on tensile strength andplasticity of metallic glasses. Mechanics of Materials, 2013, 67, 86-93.	3.2	13
58	The effect of mixed mode I/II on the fracture toughness and fracture behavior of nano-structured metal matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 559, 897-901.	5.6	6
59	Toughness, extrinsic effects and Poissonâ€™s ratio of bulk metallic glasses. Acta Materialia, 2012, 60, 4800-4809.	7.9	110
60	Delamination of Sensitized Al-Mg Alloy During Fatigue Crack Growth in Room Temperature Air. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 3952-3956.	2.2	12
61	Sustained-load crack growth of hydrogen-charged surface-hardened 316L stainless steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 556, 43-50.	5.6	7
62	Effects of load ratio, R, and test temperature on high cycle fatigue behavior of nano-structured Alâ€“4Yâ€“4Niâ€“X alloy composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 558, 211-216.	5.6	5
63	Failure Analysis of Cast Iron Trunk Main in Cleveland, Ohio. Journal of Failure Analysis and Prevention, 2012, 12, 217-236.	0.9	10
64	Effects of Composition Changes on Strength, Bend Ductility, Toughness, and Flex-Bending Fatigue of Iron-Based Metallic Glass Ribbons. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 2697-2705.	2.2	12
65	Effects of Changes in Chemistry on Flex Bending Fatigue Behavior of Al-Based Amorphous Alloy Ribbons. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 2687-2696.	2.2	7
66	Outer medium effects and fracture nucleation sites in model experiments to mimic fracture surface features of metallic glasses. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 538, 259-264.	5.6	11
67	The effects of changes in test temperature and loading conditions on fracture toughness of a Î² toughened Zr-based bulk metallic glass composite. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 540, 97-101.	5.6	7
68	Effects of microstructure on high strain rate deformation and flow behaviour of Alâ€“Mgâ€“Si alloy (AA) Tj ETQq0 0 0 rgBT /Overlock 10 Technology, 2011, 27, 13-20.	1.6	17
69	Increased Toughness of Zirconium-Based Bulk Metallic Glasses Tested under Mixed Mode Conditions. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2010, 41, 149-158.	2.2	31
70	Stress-State Effects on the Fracture of a Zr-Ti-Ni-Cu-Be Bulk Amorphous Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2010, 41, 1758-1766.	2.2	16
71	Effects of Changes in Chemistry and Testing Temperature on Mechanical Behavior of Al-Based Amorphous Alloy Ribbons. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2010, 41, 2269-2275.	2.2	10
72	Fatigue coaxing experiments on a Zr-based bulk-metallic glass. Scripta Materialia, 2010, 62, 481-484.	5.2	19

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73	Delamination of a sensitized commercial Alâ€“Mg alloy during fatigue crack growth. Scripta Materialia, 2010, 63, 799-802.	5.2	26
74	Shear yield and flow behavior of a zirconium-based bulk metallic glass. Mechanics of Materials, 2010, 42, 248-255.	3.2	18
75	Microstructural effects on tension behavior of Cuâ€“15Niâ€“8Sn sheet. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 769-781.	5.6	28
76	Model experiments to mimic fracture surface features in metallic glasses. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 2207-2213.	5.6	26
77	Microstructural effects on crack path selection in bending and fatigue in a Nbâ€“19Siâ€“5Crâ€“3.5Hfâ€“24Tiâ€“0.75Snâ€“1W alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 1489-1500.	5.6	6
78	Effects of changes in strain rate and test temperature on Mg85Ca5Cu10 metallic glass ribbons. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 2214-2221.	5.6	8
79	Pressure effects on metallic glasses. Acta Materialia, 2010, 58, 1026-1036.	7.9	53
80	Compressive plasticity and toughness of a Ti-based bulk metallic glass. Acta Materialia, 2010, 58, 1708-1720.	7.9	104
81	Fatigue Crack Growth Behavior Evaluation of Grainex Mar-M 247 for NASAâ€™s High Temperature High Speed Turbine Seal Test Rig. Journal of Engineering for Gas Turbines and Power, 2009, 131, .	1.1	2
82	Ductile-to-brittle transition in a Ti-based bulk metallic glass. Scripta Materialia, 2009, 60, 1027-1030.	5.2	49
83	Laminated nanostructure composites with improved bend ductility and toughness. Scripta Materialia, 2009, 61, 1072-1074.	5.2	30
84	Putting the heat on nano-composite aluminium alloys. Metal Powder Report, 2009, 64, 28-34.	0.1	2
85	Design of Inserts for Split-Hopkinson Pressure Bar Testing of Low Strain-to-Failure Materials. Experimental Mechanics, 2009, 49, 479-490.	2.0	38
86	Effects of Thermal Exposure and Test Temperature on Structure Evolution and Hardness/Viscosity of an Iron-Based Metallic Glass. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2009, 40, 1314-1323.	2.2	25
87	High cycle fatigue behavior of a nanostructured composite produced via extrusion of amorphous Al89Gd7Ni3Fe1 alloy powders. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 513-514, 202-207.	5.6	9
88	Spall strength of a zirconium-based bulk metallic glass under shock-induced compression-and-shear loading. Mechanics of Materials, 2009, 41, 886-897.	3.2	22
89	Effects of microstructural changes, loading conditions and test temperature on toughness of fully pearlitic eutectoid steel used in transportation industry. Materials Science and Technology, 2009, 25, 369-378.	1.6	5
90	Mathematical modeling and mechanical and histopathological testing of porous prosthetic pylon for direct skeletal attachment. Journal of Rehabilitation Research and Development, 2009, 46, 315.	1.6	19

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91	Microstructural effects on tension and fatigue behavior of Cuâ€“15Niâ€“8Sn sheet. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 491, 137-146.	5.6	18
92	Tension and fatigue behavior of silver-cored composite multi-strand cables used as implantable cables and electrodes. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 492, 191-198.	5.6	13
93	Effects of Annealing and Pressure on Devitrification and Mechanical Properties of Amorphous Al87Ni7Gd6. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2008, 39, 1935-1941.	2.2	17
94	Effects of Test Temperature and Loading Conditions on the Tensile Properties of a Zr-Based Bulk Metallic Glass. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2008, 39, 1922-1934.	2.2	35
95	Interface Effects on the Quasi-Static and Impact Toughness of Discontinuously Reinforced Aluminum Laminates. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2008, 39, 1993-2006.	2.2	20
96	Effects of Changes in Test Temperature and Loading Conditions on Fracture Toughness of a Zr-Based Bulk Metallic Glass. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2008, 39, 2077-2085.	2.2	28
97	Tension and fatigue behavior of 316LVM 1Ã—7 multi-strand cables used as implantable electrodes. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 486, 447-454.	5.6	16
98	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. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 497, 212-215.	5.6	15
99	Chemistry (intrinsic) and inclusion (extrinsic) effects on the toughness and Weibull modulus of Fe-based bulk metallic glasses. Philosophical Magazine Letters, 2008, 88, 853-861.	1.2	51
100	Fracture and Fatigue of Niobium Silicide Alloys. Materials Research Society Symposia Proceedings, 2008, 1128, 70101.	0.1	0
101	Tough Fe-based bulk metallic glasses. Applied Physics Letters, 2008, 92, .	3.3	113
102	Effect of high strain rates on peak stress in a Zr-based bulk metallic glass. Journal of Applied Physics, 2008, 104, .	2.5	36
103	Mechanical Properties of Bulk Metallic Glasses. MRS Bulletin, 2007, 32, 635-638.	3.5	328
104	Effects of annealing and specimen geometry on dynamic compression of a Zr-based bulk metallic glass. Journal of Materials Research, 2007, 22, 389-401.	2.6	61
105	Effects of high temperature and thermal exposure on fatigue crack propagation of laminated metal composites. Materials Science and Technology, 2007, 23, 1505-1512.	1.6	6
106	Spall strength and Hugoniot elastic limit of a zirconium-based bulk metallic glass under planar shock compression. Journal of Materials Research, 2007, 22, 402-411.	2.6	61
107	Local temperature rises during mechanical testing of metallic glasses. Journal of Materials Research, 2007, 22, 419-427.	2.6	87
108	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. Acta Materialia, 2007, 55, 2829-2840.	7.9	24

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109	Temperature rise at shear bands in metallic glasses. Nature Materials, 2006, 5, 15-18.	27.5	810
110	Intrinsic and extrinsic toughening of metallic glasses. Scripta Materialia, 2006, 54, 337-341.	5.2	141
111	Three-dimensional imaging of materials by microtomography. Materials Science and Technology, 2006, 22, 1009-1010.	1.6	8
112	Periodic corrugation on dynamic fracture surface in brittle bulk metallic glass. Applied Physics Letters, 2006, 89, 181911.	3.3	44
113	Effects of microstructural characteristics on mechanical properties of open-cell nickel foams. Materials Science and Technology, 2005, 21, 1355-1358.	1.6	15
114	Understanding the Glass-forming Ability of Cu50Zr50 Alloys in Terms of a Metastable Eutectic. Journal of Materials Research, 2005, 20, 2307-2313.	2.6	187
115	Effects of Annealing on Dynamic Behavior of a Bulk Metallic Glass. , 2005, , 131.		2
116	Fracture of Brittle Metallic Glasses: Brittleness or Plasticity. Physical Review Letters, 2005, 94, 125510.	7.8	492
117	Intrinsic plasticity or brittleness of metallic glasses. Philosophical Magazine Letters, 2005, 85, 77-87.	1.2	1,061
118	Forging of Discontinuously Reinforced Aluminum Composites. , 2005, , 366-373.		3
119	Hydrostatic Extrusion of Metals and Alloys. , 2005, , 440-447.		1
120	Preliminary assessment of flow, notch toughness, and high temperature behavior of Cu60Zr20Hf10Ti10 bulk metallic glass. Scripta Materialia, 2004, 51, 151-154.	5.2	72
121	Effects of changes in temperature on fatigue crack growth of adhesively bonded Al 2080/SiC/20p-2080 Al laminated composites. Journal of Materials Science, 2004, 39, 3063-3067.	3.7	9
122	Effects of lamination and changes in layer thickness on fatigue-crack propagation of lightweight laminated metal composites. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2004, 35, 45-52.	2.2	23
123	Effects of changes in test temperature on fatigue crack propagation of Al6090/SiCp-Al 6013 laminated metal composites. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2004, 35, 2291-2303.	2.2	10
124	Effects of load ratio, R, and test temperature on fatigue crack growth of fully pearlitic eutectoid steel (fatigue crack growth of pearlitic steel). International Journal of Fatigue, 2004, 26, 305-309.	5.7	40
125	Resistance curve behavior of polycrystalline niobium failing via cleavage. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 366, 56-65.	5.6	5
126	Effects of test temperature and grain size on the charpy impact toughness and dynamic toughness (K) Tj ETQq0 0 0 rgBT /Overlock 10 T Materials Science, 2003, 34, 967-978.	2.2	15

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127	Strength differential measurements in IN 718: Effects of superimposed pressure. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2003, 34, 1736-1739.	2.2	8
128	Quantitative evaluation of Î±-Al nano-particles in amorphous Al87Ni7Gd6â€“â€“comparison of XRD, DSC, and TEM. Scripta Materialia, 2003, 48, 1537-1541.	5.2	36
129	Effects of processing conditions and test temperature on fatigue crack growth and fracture toughness of Beâ€“Al metal matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 344, 215-228.	5.6	10
130	Ultrahigh-Temperature Nb-Silicide-Based Composites. MRS Bulletin, 2003, 28, 646-653.	3.5	277
131	STUDIES ON THE ADSORPTION PROPERTIES OF ION-EXCHANGED LOW SILICA X ZEOLITE. , 2003, , .		0
132	FORGING/FORMING SIMULATION STUDIES ON A UNIQUE, HIGH CAPACITY DEFORMATION SIMULATOR APPARATUS. Materials and Manufacturing Processes, 2002, 17, 737-764.	4.7	4
133	Effects of hydrostatic pressure on the flow and fracture of a bulk amorphous metal. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 2002, 82, 3427-3441.	0.6	165
134	Effects of Annealing and Annealing with Pressure on Devitrification of Al87Ni7Gd6. Materials Research Society Symposia Proceedings, 2002, 754, 1.	0.1	0
135	Effects of Superimposed Pressure on Flow and Fracture of Two Bulk Amorphous Metals. Materials Research Society Symposia Proceedings, 2002, 754, 1.	0.1	1
136	Hardness Indentation Studies On Metallic Glasses. Materials Research Society Symposia Proceedings, 2002, 754, 1.	0.1	1
137	Fracture Toughness of Amorphous Metals and Composites. Materials Research Society Symposia Proceedings, 2002, 754, 1.	0.1	3
138	Effects of annealing at high pressure on structure and mechanical properties of Al87Ni7Gd6 metallic glass. Intermetallics, 2002, 10, 1099-1103.	3.9	32
139	Microstructure-property relationships in pearlitic eutectoid and hypereutectoid carbon steels. Jom, 2002, 54, 25-30.	1.9	75
140	Pressure effects on flow and fracture of Be-Al alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2002, 33, 3555-3564.	2.2	10
141	Effects of hydrostatic pressure on the flow and fracture of a bulk amorphous metal. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 2002, 82, 3427-3441.	0.6	11
142	Effects of Annealing and Changes in Stress State on Fracture Toughness of Bulk Metallic Glass. Materials Transactions, 2001, 42, 633-637.	1.2	104
143	Fracture and Fatigue of Particulate MMCs. , 2000, , 151-187.		18
144	Deformation and fracture toughness of a bulk amorphous Zrâ€“Tiâ€“Niâ€“Cuâ€“Be alloy. Intermetallics, 2000, 8, 487-492.	3.9	87

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145	Fatigue and fracture of porous steels and Cu-infiltrated porous steels. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1999, 30, 325-334.	2.2	13
146	Effects of superimposed hydrostatic pressure on flow and fracture of a Zr-Ti-Ni-Cu-Be bulk amorphous alloy. Scripta Materialia, 1999, 41, 19-24.	5.2	146
147	Fracture toughness and notched toughness of bulk amorphous alloy: Zr-Ti-Ni-Cu-Be. Scripta Materialia, 1998, 38, 1811-1817.	5.2	221
148	Fatigue crack growth behavior of Nb-10Si in-situ composites. Scripta Materialia, 1998, 38, 1775-1780.	5.2	7
149	Effects of R-ratio on the fatigue crack growth of Nb-Si(ss) and Nb-10Si In Situ composites. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1998, 29, 1749-1757.	2.2	25
150	Effects of hydrostatic pressure on mechanical behaviour and deformation processing of materials. International Materials Reviews, 1998, 43, 145-187.	19.3	129
151	Effects of dislocation substructure on strength and toughness in polycrystalline NiAl processed via low-temperature hydrostatic extrusion. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1998, 78, 643-656.	0.6	10
152	Fracture and Fatigue of Refractory Metal Intermetallic Composites. Materials Research Society Symposia Proceedings, 1998, 552, 1.	0.1	0
153	Effects of hydrostatic pressure on mechanical behaviour and deformation processing of materials. International Materials Reviews, 1998, 43, 145-187.	19.3	26
154	Delamination study using four-point bending of bilayers. Journal of Materials Science, 1997, 32, 3851-3856.	3.7	58
155	Effects of test temperature, grain size, and alloy additions on the cleavage fracture stress of polycrystalline niobium. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1997, 28, 389-399.	2.2	45
156	Effects of test temperature, grain size, and alloy additions on the low-temperature fracture toughness of polycrystalline niobium. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1997, 28, 2297-2307.	2.2	29
157	The fracture resistance of layered DRA materials: Influence of laminae thickness. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1997, 229, 1-9.	5.6	26
158	Mechanical behaviour of laminated metal composites. International Materials Reviews, 1996, 41, 169-197.	19.3	294
159	Observations of static strain-aging in polycrystalline NiAl. Intermetallics, 1996, 4, 533-542.	3.9	10
160	Enhanced fracture resistance in layered discontinuously reinforced aluminium. Materials Science and Technology, 1996, 12, 1001-1006.	1.6	16
161	Effects of Ductile Phase Additions on the Fracture Behavior and Toughness of DRA Composites. Materials Research Society Symposia Proceedings, 1996, 434, 213.	0.1	4
162	Flow and fracture of bimaterial systems based on aluminum alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1996, 27, 3937-3947.	2.2	15

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