

John J Lewandowski

List of Publications by Year in descending order

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#	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. <i>Materials</i> , 2022, 15, 4724.	1.3	2
2	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.	1.9	5
3	Fracture toughness of cast and extruded Al ₆₀₆₁ /15%Al ₂ O ₃ metal matrix composites. <i>Australian Journal of Mechanical Engineering</i> , 2020, 18, S37-S45.	1.5	5
4	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.	2.6	29
5	Build Size and Orientation Influence on Mechanical Properties of Powder Bed Fusion Deposited Titanium Parts. <i>Metals</i> , 2020, 10, 1340.	1.0	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. <i>Additive Manufacturing</i> , 2020, 35, 101403.	1.7	16
7	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.	3.0	13
8	Integrated Computational Materials Engineering of Gamma Titanium Aluminides for Aerospace Applications. <i>MATEC Web of Conferences</i> , 2020, 321, 08002.	0.1	1
9	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.	0.2	0
10	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.	1.0	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. <i>Corrosion Reviews</i> , 2019, 37, 499-506.	1.0	6
12	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.	2.6	20
13	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.	2.8	20
14	Anharmonic model for the elastic constants of bulk metallic glass across the glass transition. <i>Physical Review B</i> , 2018, 97, .	1.1	4
15	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.	1.9	79
16	Sensitization and remediation effects on environmentally assisted cracking of Al-Mg naval alloys. <i>Corrosion Science</i> , 2018, 138, 219-241.	3.0	28
17	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.	2.8	8
18	Fatigue behavior of high-entropy alloys: A review. <i>Science China Technological Sciences</i> , 2018, 61, 168-178.	2.0	71

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19	Effects of Post-processing on Microstructure and Mechanical Properties of SLM-Processed IN-718. Minerals, Metals and Materials Series, 2018, , 515-526.	0.3	7
20	A Critical Review on Metallic Glasses as Structural Materials for Cardiovascular Stent Applications. Journal of Functional Biomaterials, 2018, 9, 19.	1.8	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.	2.6	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 Ti-6Al-4V. International Journal of Fatigue, 2017, 94, 263-287.	2.8	191
24	Stability of nanosized oxides in ferrite under extremely high dose self ion irradiations. Journal of Nuclear Materials, 2017, 486, 86-95.	1.3	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.	2.6	35
26	Progress Towards Metal Additive Manufacturing Standardization to Support Qualification and Certification. Jom, 2017, 69, 439-455.	0.9	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.	2.8	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.	2.6	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.	3.8	49
30	Pre-exposure embrittlement of a commercial Al-Mg-Mn alloy, AA5083-H131. Corrosion Reviews, 2017, 35, 275-290.	1.0	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.	1.8	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.	2.8	102
33	Degradation of metallic materials studied by correlative tomography. IOP Conference Series: Materials Science and Engineering, 2017, 219, 012001.	0.3	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.	0.5	4
35	High-entropy Al _{0.3} CoCrFeNi alloy fibers with high tensile strength and ductility at ambient and cryogenic temperatures. Acta Materialia, 2017, 123, 285-294.	3.8	378
36	Properties of Discontinuously Reinforced Metal Matrix: Composites and Laminates. , 2016, , .		0

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37	Flex Bending Fatigue of Dental Archwires. <i>Microscopy and Microanalysis</i> , 2016, 22, 1742-1743.	0.2	0
38	Overview of Materials Qualification Needs for Metal Additive Manufacturing. <i>Jom</i> , 2016, 68, 747-764.	0.9	427
39	Metal Additive Manufacturing: A Review of Mechanical Properties. <i>Annual Review of Materials Research</i> , 2016, 46, 151-186.	4.3	1,174
40	Fatigue and fracture of wires and cables for biomedical applications. <i>International Materials Reviews</i> , 2016, 61, 231-314.	9.4	25
41	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.	2.6	32
42	Grain orientation effects on delamination during fatigue of a sensitized Al-Mg alloy. <i>Philosophical Magazine Letters</i> , 2015, 95, 526-533.	0.5	8
43	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.	0.9	88
44	Sample size and preparation effects on the tensile ductility of Pd-based metallic glass nanowires. <i>Acta Materialia</i> , 2015, 87, 1-7.	3.8	53
45	Weibull modulus of hardness, bend strength, and tensile strength of Ni-Ta-Co-X metallic glass ribbons. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 634, 176-182.	2.6	12
46	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.	2.6	1
47	Fracture Toughness and Fatigue Crack Growth Behavior of As-Cast High-Entropy Alloys. <i>Jom</i> , 2015, 67, 2288-2295.	0.9	129
48	Guiding and Deflecting Cracks in Bulk Metallic Glasses to Increase Damage Tolerance. <i>Advanced Engineering Materials</i> , 2015, 17, 620-625.	1.6	15
49	Effects of test orientation on fracture and fatigue crack growth behavior of third generation as-cast Ti-48Al-2Nb-2Cr. <i>Intermetallics</i> , 2015, 57, 73-82.	1.8	45
50	First-principles calculation of elastic moduli of early-late transition metal alloys. <i>Physical Review B</i> , 2014, 89, .	1.1	8
51	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.	2.6	32
52	A Damage-tolerant Bulk Metallic Glass at Liquid-nitrogen Temperature. <i>Journal of Materials Science and Technology</i> , 2014, 30, 627-630.	5.6	15
53	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.	2.6	20
54	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.	1.1	14

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55	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.	2.6	5
56	Modern fracture mechanics. <i>Philosophical Magazine</i> , 2013, 93, 3893-3906.	0.7	5
57	Pressure and temperature effects on tensile strength and plasticity of metallic glasses. <i>Mechanics of Materials</i> , 2013, 67, 86-93.	1.7	13
58	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.	2.6	6
59	Toughness, extrinsic effects and Poisson's ratio of bulk metallic glasses. <i>Acta Materialia</i> , 2012, 60, 4800-4809.	3.8	110
60	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.	1.1	12
61	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.	2.6	7
62	Effects of load ratio, R, and test temperature on high cycle fatigue behavior of nano-structured Al ₈₈ Y ₄ Ni ₄ X alloy composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 558, 211-216.	2.6	5
63	Failure Analysis of Cast Iron Trunk Main in Cleveland, Ohio. <i>Journal of Failure Analysis and Prevention</i> , 2012, 12, 217-236.	0.5	10
64	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.	1.1	12
65	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.	1.1	7
66	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.	2.6	11
67	The effects of changes in test temperature and loading conditions on fracture toughness of a \hat{I}^2 toughened Zr-based bulk metallic glass composite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 540, 97-101.	2.6	7
68	Effects of microstructure on high strain rate deformation and flow behaviour of Al ₈₈ Mg ₄ Si alloy (AA) Tj ETQq0 0 0 rgBT /Overlock 10 Technology, 2011, 27, 13-20.	0.8	17
69	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.	1.1	31
70	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.	1.1	16
71	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.	1.1	10
72	Fatigue coxing experiments on a Zr-based bulk-metallic glass. <i>Scripta Materialia</i> , 2010, 62, 481-484.	2.6	19

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73	Delamination of a sensitized commercial Al–Mg alloy during fatigue crack growth. <i>Scripta Materialia</i> , 2010, 63, 799-802.	2.6	26
74	Shear yield and flow behavior of a zirconium-based bulk metallic glass. <i>Mechanics of Materials</i> , 2010, 42, 248-255.	1.7	18
75	Microstructural effects on tension behavior of Cu–15Ni–8Sn sheet. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 769-781.	2.6	28
76	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.	2.6	26
77	Microstructural effects on crack path selection in bending and fatigue in a Nb–19Si–5Cr–3.5Hf–24Ti–0.75Sn–1W alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 1489-1500.	2.6	6
78	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.	2.6	8
79	Pressure effects on metallic glasses. <i>Acta Materialia</i> , 2010, 58, 1026-1036.	3.8	53
80	Compressive plasticity and toughness of a Ti-based bulk metallic glass. <i>Acta Materialia</i> , 2010, 58, 1708-1720.	3.8	104
81	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, .	0.5	2
82	Ductile-to-brittle transition in a Ti-based bulk metallic glass. <i>Scripta Materialia</i> , 2009, 60, 1027-1030.	2.6	49
83	Laminated nanostructure composites with improved bend ductility and toughness. <i>Scripta Materialia</i> , 2009, 61, 1072-1074.	2.6	30
84	Putting the heat on nano-composite aluminium alloys. <i>Metal Powder Report</i> , 2009, 64, 28-34.	0.3	2
85	Design of Inserts for Split-Hopkinson Pressure Bar Testing of Low Strain-to-Failure Materials. <i>Experimental Mechanics</i> , 2009, 49, 479-490.	1.1	38
86	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.	1.1	25
87	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.	2.6	9
88	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.	1.7	22
89	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.	0.8	5
90	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.	1.6	19

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91	Microstructural effects on tension and fatigue behavior of Cu ¹⁵ Ni ⁸ Sn sheet. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 491, 137-146.	2.6	18
92	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.	2.6	13
93	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.	1.1	17
94	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.	1.1	35
95	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.	1.1	20
96	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.	1.1	28
97	Tension and fatigue behavior of 316LVM 1 \bar{A} -7 multi-strand cables used as implantable electrodes. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 486, 447-454.	2.6	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. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 497, 212-215.	2.6	15
99	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.	0.5	51
100	Fracture and Fatigue of Niobium Silicide Alloys. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1128, 70101.	0.1	0
101	Tough Fe-based bulk metallic glasses. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	113
102	Effect of high strain rates on peak stress in a Zr-based bulk metallic glass. <i>Journal of Applied Physics</i> , 2008, 104, .	1.1	36
103	Mechanical Properties of Bulk Metallic Glasses. <i>MRS Bulletin</i> , 2007, 32, 635-638.	1.7	328
104	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.	1.2	61
105	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.	0.8	6
106	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.	1.2	61
107	Local temperature rises during mechanical testing of metallic glasses. <i>Journal of Materials Research</i> , 2007, 22, 419-427.	1.2	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. <i>Acta Materialia</i> , 2007, 55, 2829-2840.	3.8	24

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109	Temperature rise at shear bands in metallic glasses. <i>Nature Materials</i> , 2006, 5, 15-18.	13.3	810
110	Intrinsic and extrinsic toughening of metallic glasses. <i>Scripta Materialia</i> , 2006, 54, 337-341.	2.6	141
111	Three-dimensional imaging of materials by microtomography. <i>Materials Science and Technology</i> , 2006, 22, 1009-1010.	0.8	8
112	Periodic corrugation on dynamic fracture surface in brittle bulk metallic glass. <i>Applied Physics Letters</i> , 2006, 89, 181911.	1.5	44
113	Effects of microstructural characteristics on mechanical properties of open-cell nickel foams. <i>Materials Science and Technology</i> , 2005, 21, 1355-1358.	0.8	15
114	Understanding the Glass-forming Ability of Cu ₅₀ Zr ₅₀ Alloys in Terms of a Metastable Eutectic. <i>Journal of Materials Research</i> , 2005, 20, 2307-2313.	1.2	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. <i>Physical Review Letters</i> , 2005, 94, 125510.	2.9	492
117	Intrinsic plasticity or brittleness of metallic glasses. <i>Philosophical Magazine Letters</i> , 2005, 85, 77-87.	0.5	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 Cu ₆₀ Zr ₂₀ Hf ₁₀ Ti ₁₀ bulk metallic glass. <i>Scripta Materialia</i> , 2004, 51, 151-154.	2.6	72
121	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.	1.7	9
122	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.	1.1	23
123	Effects of changes in test temperature on fatigue crack propagation of Al ₆₀ 90/SiCp-Al 6013 laminated metal composites. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2004, 35, 2291-2303.	1.1	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). <i>International Journal of Fatigue</i> , 2004, 26, 305-309.	2.8	40
125	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.	2.6	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 <i>Materials Science</i> , 2003, 34, 967-978.	1.1	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.	1.1	8
128	Quantitative evaluation of Al nano-particles in amorphous $\text{Al}_{87}\text{Ni}_7\text{Gd}_6$ —comparison of XRD, DSC, and TEM. Scripta Materialia, 2003, 48, 1537-1541.	2.6	36
129	Effects of processing conditions and test temperature on fatigue crack growth and fracture toughness of Be-Al metal matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 344, 215-228.	2.6	10
130	Ultrahigh-Temperature Nb-Silicide-Based Composites. MRS Bulletin, 2003, 28, 646-653.	1.7	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.	2.7	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.	0.8	165
134	Effects of Annealing and Annealing with Pressure on Devitrification of $\text{Al}_{87}\text{Ni}_7\text{Gd}_6$. 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 $\text{Al}_{87}\text{Ni}_7\text{Gd}_6$ metallic glass. Intermetallics, 2002, 10, 1099-1103.	1.8	32
139	Microstructure-property relationships in pearlitic eutectoid and hypereutectoid carbon steels. Jom, 2002, 54, 25-30.	0.9	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.	1.1	10
141	Effects of Annealing and Changes in Stress State on Fracture Toughness of Bulk Metallic Glass. Materials Transactions, 2001, 42, 633-637.	0.4	104
142	Fracture and Fatigue of Particulate MMCs. , 2000, , 151-187.		18
143	Deformation and fracture toughness of a bulk amorphous Zr-Ti-Ni-Cu-Be alloy. Intermetallics, 2000, 8, 487-492.	1.8	87
144	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.	1.1	13

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145	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.	2.6	146
146	Fracture toughness and notched toughness of bulk amorphous alloy: Zr-Ti-Ni-Cu-Be. Scripta Materialia, 1998, 38, 1811-1817.	2.6	221
147	Fatigue crack growth behavior of Nb-10Si in-situ composites. Scripta Materialia, 1998, 38, 1775-1780.	2.6	7
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