

List of Publications by Citations

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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.

298
papers

5,525
citations

38
h-index

55
g-index

304
ext. papers

6,165
ext. citations

4.4
avg, IF

5.97
L-index

#	Paper	IF	Citations
298	Fabrication of NiTeO ₂ nanocomposite by electrodeposition. <i>Scripta Materialia</i> , 2006 , 54, 1421-1425	5.6	163
297	Self-organized intermittent plastic flow in bulk metallic glasses. <i>Acta Materialia</i> , 2009 , 57, 6146-6155	8.4	150
296	Pulse electrodeposition of nanocrystalline nickel using ultra narrow pulse width and high peak current density. <i>Surface and Coatings Technology</i> , 2003 , 168, 123-128	4.4	148
295	Wear behavior of HVOF-sprayed Fe-based amorphous coatings. <i>Intermetallics</i> , 2012 , 29, 80-85	3.5	119
294	Dynamic mechanical properties and in vitro bioactivity of PHBV/HA nanocomposite. <i>Composites Science and Technology</i> , 2007 , 67, 1617-1626	8.6	110
293	Pitting initiation in Fe-based amorphous coatings. <i>Acta Materialia</i> , 2012 , 60, 4152-4159	8.4	109
292	Pulse co-electrodeposition of nano Al ₂ O ₃ whiskers nickel composite coating. <i>Scripta Materialia</i> , 2004 , 50, 1131-1134	5.6	84
291	Manipulation of free volumes in a metallic glass through Xe-ion irradiation. <i>Acta Materialia</i> , 2016 , 106, 66-77	8.4	82
290	Enhanced plasticity by phase separation in CuZrAl bulk metallic glass with micro-addition of Fe. <i>Scripta Materialia</i> , 2009 , 60, 822-825	5.6	81
289	Bulk metallic glass composite with good tensile ductility, high strength and large elastic strain limit. <i>Scientific Reports</i> , 2014 , 4, 5302	4.9	79
288	A novel Ni-free Zr-based bulk metallic glass with enhanced plasticity and good biocompatibility. <i>Scripta Materialia</i> , 2006 , 55, 605-608	5.6	78
287	Floating, highly efficient, and scalable graphene membranes for seawater desalination using solar energy. <i>Green Chemistry</i> , 2018 , 20, 3689-3695	10	70
286	In situ formation of Ti alloy/TiC porous composites by rapid microwave sintering of Ti6Al4V/MWCNTs powder. <i>Journal of Alloys and Compounds</i> , 2013 , 557, 67-72	5.7	65
285	Effect of reinforcement in ultra-precision machining of Al6061/SiC metal matrix composites. <i>Scripta Materialia</i> , 2002 , 47, 77-82	5.6	61
284	A theoretical and experimental investigation of surface generation in diamond turning of an Al6061/SiCp metal matrix composite. <i>International Journal of Mechanical Sciences</i> , 2001 , 43, 2047-2068	5.5	59
283	Fatigue of additively manufactured 316L stainless steel: The influence of porosity and surface roughness. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2019 , 42, 2043-2052	3	57
282	High-strain-rate superplasticity of an Al6061-SiCw composite. <i>Scripta Materialia</i> , 1997 , 36, 593-598	5.6	54

281	Instability of crack propagation in brittle bulk metallic glass. <i>Acta Materialia</i> , 2008 , 56, 5845-5860	8.4	54
280	The effect of free volume on the deformation behaviour of a Zr-based metallic glass under nanoindentation. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 6055-6059	3	54
279	Deformation behavior, corrosion resistance, and cytotoxicity of Ni-free Zr-based bulk metallic glasses. <i>Journal of Biomedical Materials Research - Part A</i> , 2008 , 86, 160-9	5.4	53
278	Additive manufacturing of fine-grained and dislocation-populated CrMnFeCoNi high entropy alloy by laser engineered net shaping. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 761, 138056	5.3	50
277	Fe-based metallic glass catalyst with nanoporous surface for azo dye degradation. <i>Chemosphere</i> , 2017 , 174, 76-81	8.4	47
276	Enhanced glass forming ability and plasticity of a Ni-free Zr-based bulk metallic glass. <i>Journal of Alloys and Compounds</i> , 2009 , 487, 152-156	5.7	47
275	Large magnetic entropy change and adiabatic temperature rise of a Gd ₅₅ Al ₂₀ Co ₂₀ Ni ₅ bulk metallic glass. <i>Journal of Applied Physics</i> , 2014 , 115, 223904	2.5	46
274	Laser bending of leadframe materials. <i>Journal of Materials Processing Technology</i> , 1998 , 82, 117-121	5.3	45
273	The effect of the microalloying of Hf on the corrosion behavior of ZrCuNiAl bulk metallic glass. <i>Journal of Alloys and Compounds</i> , 2005 , 399, 144-148	5.7	45
272	Flexible Honeycombed Nanoporous/Glassy Hybrid for Efficient Electrocatalytic Hydrogen Generation. <i>Advanced Materials</i> , 2019 , 31, e1904989	24	44
271	3D printed graphene/nickel electrodes for high areal capacitance electrochemical storage. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 4055-4062	13	44
270	Shear avalanches in metallic glasses under nanoindentation: Deformation units and rate dependent strain burst cut-off. <i>Applied Physics Letters</i> , 2013 , 103, 101907	3.4	43
269	Encapsulated Zr-based bulk metallic glass with large plasticity. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 2988-2994	5.3	43
268	ZrCu-based bulk metallic glass composites with large strain-hardening capability. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 636, 502-506	5.3	41
267	Fabrication and characteristics of porous NiTi shape memory alloy synthesized by microwave sintering. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 6006-6011	5.3	41
266	Electrocodeposition behavior of NiBiC composite under different shaped waveforms. <i>Applied Surface Science</i> , 2004 , 233, 163-171	6.7	41
265	Wearable Fluid Capture Devices for Electrochemical Sensing of Sweat. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 238-243	9.5	41
264	Surface modification and biocompatibility of Ni-free Zr-based bulk metallic glass. <i>Scripta Materialia</i> , 2008 , 58, 231-234	5.6	39

263	Improvements in the plasticity and biocompatibility of ZrCuNiAl bulk metallic glass by the microalloying of Nb. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 449-451, 193-197	5.3	39
262	Finite-element analysis of diamond turning of aluminium matrix composites. <i>Composites Science and Technology</i> , 2001 , 61, 1449-1456	8.6	39
261	Plasticity improvement of an Fe-based bulk metallic glass by geometric confinement. <i>Materials Letters</i> , 2011 , 65, 1172-1175	3.3	38
260	Deposition behaviour and morphology of NiSiC electro-composites under triangular waveform. <i>Applied Surface Science</i> , 2005 , 243, 251-258	6.7	38
259	Water absorption and solubility of PHBV/HA nanocomposites. <i>Composites Science and Technology</i> , 2008 , 68, 1927-1934	8.6	37
258	Plasticity enhancement of a Zr-based bulk metallic glass by an electroplated Cu/Ni bilayered coating. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 552, 199-203	5.3	36
257	Dependency of densification properties on cell topology of metal foams. <i>Scripta Materialia</i> , 2003 , 48, 1147-1152	5.6	35
256	A criterion for the prediction of shear band angles in F.C.C. metals. <i>Acta Metallurgica Et Materialia</i> , 1991 , 39, 411-417		35
255	Sandwich nanoporous framework decorated with vertical CuO nanowire arrays for electrochemical glucose sensing. <i>Electrochimica Acta</i> , 2019 , 299, 470-478	6.7	35
254	A plastic Ni-free Zr-based bulk metallic glass with high specific strength and good corrosion properties in simulated body fluid. <i>Materials Letters</i> , 2012 , 84, 81-84	3.3	34
253	Stabilized shear banding of ZrCu-based metallic glass composites under tensile loading. <i>Journal of Materials Science</i> , 2014 , 49, 2164-2170	4.3	34
252	Oxidation of Zr 55 Cu 30 Al 10 Ni 5 bulk metallic glass in the glassy state and the supercooled liquid state. <i>Applied Physics A: Materials Science and Processing</i> , 2005 , 80, 1737-1744	2.6	33
251	Novel centimeter-sized Fe-based bulk metallic glass with high corrosion resistance in simulated acid rain and seawater. <i>Journal of Non-Crystalline Solids</i> , 2013 , 369, 29-33	3.9	32
250	The effect of microalloying on mechanical properties in CuZrAl bulk metallic glass. <i>Journal of Alloys and Compounds</i> , 2010 , 504, S74-S77	5.7	31
249	Surface roughening in pulse current and pulse reverse current electroforming of nickel. <i>Surface and Coatings Technology</i> , 1997 , 91, 220-224	4.4	31
248	Superplastic deformation behavior of the electrocodeposited Ni/SiC composite. <i>Scripta Materialia</i> , 2004 , 51, 605-609	5.6	31
247	A study of surface finishing in pulse current electroforming of nickel by utilizing different shaped waveforms. <i>Surface and Coatings Technology</i> , 1999 , 115, 132-139	4.4	31
246	The effect of the addition of Ta on the structure, crystallization and mechanical properties of ZrCuNiAlTa bulk metallic glasses. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 445-446, 697-706	5.3	30

245	Cutting Characteristics of Zr-Based Bulk Metallic Glass. <i>Journal of Materials Science and Technology</i> , 2015 , 31, 153-158	9.1	29
244	Enhanced glass forming ability and refrigerant capacity of a Gd ₅₅ Ni ₂₂ Mn ₃ Al ₂₀ bulk metallic glass. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 6640-6643	5.7	29
243	Deformation behavior and indentation size effect of Au ₄₉ Ag _{5.5} Pd _{2.3} Cu _{26.9} Si _{16.3} bulk metallic glass at elevated temperatures. <i>Intermetallics</i> , 2009 , 17, 227-230	3.5	29
242	Rejuvenation by weakening the medium range order in Zr ₄₆ Cu ₄₆ Al ₈ metallic glass with pressure preloading: A molecular dynamics simulation study. <i>Materials and Design</i> , 2018 , 158, 248-255	8.1	28
241	Plastic deformation of Zr-based bulk metallic glasses under nanoindentation. <i>Materials Letters</i> , 2005 , 59, 3090-3094	3.3	28
240	Low temperature and high strain rate superplasticity of the electrodeposited Ni/Si ₃ N ₄ (W) composite. <i>Scripta Materialia</i> , 2005 , 53, 1285-1290	5.6	28
239	Deformation behavior of a Zr-based bulk metallic glass under a complex stress state. <i>Intermetallics</i> , 2013 , 43, 38-44	3.5	27
238	Effect of stress gradient on the deformation behavior of a bulk metallic glass under uniaxial tension. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 574, 262-265	5.3	27
237	Superplastic deformation of Zr ₅₅ Cu ₃₀ Al ₁₀ Ni ₅ bulk metallic glass in the supercooled liquid region. <i>Journal of Non-Crystalline Solids</i> , 2007 , 353, 3758-3763	3.9	26
236	IrW nanochannel support enabling ultrastable electrocatalytic oxygen evolution at 2 A cm in acidic media. <i>Nature Communications</i> , 2021 , 12, 3540	17.4	26
235	Magneto-caloric effect of a Gd ₅₀ Co ₅₀ amorphous alloy near the freezing point of water. <i>AIP Advances</i> , 2015 , 5, 097122	1.5	25
234	Low temperature superplasticity of nanocrystalline electrodeposited NiTi alloy. <i>Scripta Materialia</i> , 2006 , 54, 765-770	5.6	25
233	Equivalent circuit modelling of NiBiC electrodeposition under ramp-up and ramp-down waveforms. <i>Materials Chemistry and Physics</i> , 2006 , 99, 424-430	4.4	25
232	The effect of crystallization on microstructure and magnetic properties of Fe ₆₁ Co ₇ Zr _{9.5} Mo ₅ W ₂ B _{15.5} bulk metallic glass. <i>Materials Letters</i> , 2006 , 60, 1080-1084	3.3	25
231	Effect of magnetic field on electrocodeposition behavior of NiBiC composites. <i>Journal of Solid State Electrochemistry</i> , 2006 , 11, 267-272	2.6	25
230	Formation of fully equiaxed grain microstructure in additively manufactured AlCoCrFeNiTi _{0.5} high entropy alloy. <i>Materials and Design</i> , 2019 , 184, 108202	8.1	24
229	Highly stretchable kirigami metallic glass structures with ultra-small strain energy loss. <i>Scripta Materialia</i> , 2018 , 142, 83-87	5.6	24
228	Control of shear band dynamics in Cu ₅₀ Zr ₅₀ metallic glass by introducing amorphous-crystalline interfaces. <i>Journal of Alloys and Compounds</i> , 2019 , 770, 896-905	5.7	24

227	Bioactive calcium titanate coatings on a Zr-based bulk metallic glass by laser cladding. <i>Materials Letters</i> , 2012 , 82, 67-70	3.3	24
226	Tribological characterisation of Zr-based bulk metallic glass in simulated physiological media. <i>Philosophical Magazine</i> , 2011 , 91, 3705-3715	1.6	24
225	Laser bending of an Al6013/SiCp aluminium matrix composite sheet. <i>Journal of Materials Processing Technology</i> , 2000 , 100, 214-218	5.3	24
224	Deformation behavior of a PM Al6013/15SiCP composite sheet at elevated temperature. <i>Materials Letters</i> , 1999 , 38, 326-330	3.3	24
223	A theoretical model for high-strain-rate superplastic behavior of particulate reinforced metal matrix composites. <i>Scripta Metallurgica Et Materialia</i> , 1995 , 33, 925-930		23
222	Achieving tailorable magneto-caloric effect in the Gd-Co binary amorphous alloys. <i>AIP Advances</i> , 2016 , 6, 035302	1.5	23
221	Achieving a table-like magnetic entropy change across the ice point of water with tailorable temperature range in Gd-Co-based amorphous hybrids. <i>Journal of Alloys and Compounds</i> , 2017 , 723, 197-200	5.7	22
220	Stick-slip dynamics in a Ni62Nb38 metallic glass film during nanoscratching. <i>Acta Materialia</i> , 2017 , 136, 49-60	8.4	22
219	Effect of reverse pulse current on the internal stress of electroformed nickel. <i>Journal of Materials Processing Technology</i> , 1997 , 63, 819-822	5.3	22
218	Crystallization kinetics of the Zr55.9Cu18.6Ta8Al7.5Ni10 bulk metallic glass matrix composite under isothermal conditions. <i>Journal of Alloys and Compounds</i> , 2006 , 419, 71-75	5.7	22
217	Achieving high energy absorption capacity in cellular bulk metallic glasses. <i>Scientific Reports</i> , 2015 , 5, 10302	4.9	21
216	Enhancement of corrosion resistance of electrocodeposited Ni ₃ BiC composites by magnetic field. <i>Journal of Solid State Electrochemistry</i> , 2007 , 11, 745-750	2.6	21
215	Thermal expansion and deformation behaviour of aluminium-matrix composites in laser forming. <i>Composites Science and Technology</i> , 2001 , 61, 1265-1270	8.6	21
214	An exact solution for the elastic/plastic bending of anisotropic sheet metal under conditions of plane strain. <i>International Journal of Mechanical Sciences</i> , 2001 , 43, 1871-1880	5.5	21
213	How hot is a shear band in a metallic glass?. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 651, 321-331	5.3	20
212	Flexible glassy grid structure for rapid degradation of azo dye. <i>Materials and Design</i> , 2018 , 155, 346-351	8.1	20
211	Enhanced plasticity by introducing icosahedral medium-range order in ZrCuNiAl metallic glass. <i>Intermetallics</i> , 2012 , 24, 79-83	3.5	20
210	Notch toughness of Fe-based bulk metallic glass and composites. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 9441-9446	5.7	20

209	Bio-activation of Ni-free Zr-based bulk metallic glass by surface modification. <i>Intermetallics</i> , 2010 , 18, 1978-1982	3.5	20
208	The effect of temperature on the crystallization of Zr ₅₅ Cu ₃₀ Al ₁₀ Ni ₅ bulk metallic glass in the glass transition region. <i>Journal of Alloys and Compounds</i> , 2005 , 396, 114-121	5.7	20
207	The effect of strut geometry on the yielding behaviour of open-cell foams. <i>International Journal of Mechanical Sciences</i> , 2006 , 48, 249-255	5.5	20
206	Effect of current waveform on the deposit quality of electroformed nickels. <i>Journal of Materials Processing Technology</i> , 1999 , 89-90, 447-450	5.3	20
205	The indentation size effect in Pd ₄₀ Cu ₃₀ Ni ₁₀ P ₂₀ bulk metallic glass. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 155415	3	19
204	Study of tunneling mechanism of Au nanocrystals in HfAlO matrix as floating gate memory. <i>Applied Physics Letters</i> , 2008 , 92, 223105	3.4	19
203	Numerical modeling of the thermo-mechanical behavior of particle reinforced metal matrix composites in laser forming by using a multi-particle cell model. <i>Composites Science and Technology</i> , 2008 , 68, 1943-1953	8.6	19
202	Theoretical analysis of deformation behavior of aluminum matrix composites in laser forming. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 396, 172-180	5.3	19
201	Superplastic deformation mechanisms of particulate reinforced aluminum matrix composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1996 , 212, 256-264	5.3	19
200	Tunable tensile ductility of metallic glasses with partially rejuvenated amorphous structures. <i>Acta Materialia</i> , 2019 , 169, 122-134	8.4	18
199	All 3D-Printed Superhydrophobic/Oleophilic Membrane for Robotic Oil Recycling. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1900874	4.6	18
198	Diffusion bonding of a Zr-based metallic glass in its supercooled liquid region. <i>Intermetallics</i> , 2014 , 46, 236-242	3.5	18
197	The effect of high temperature plastic deformation on the thermal stability and microstructure of Zr ₅₅ Cu ₃₀ Ni ₅ Al ₁₀ bulk metallic glass. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 449-451, 949-953	5.3	18
196	Analysis of hot limit strains of a superplastic 5083 aluminum alloy under biaxial tension. <i>International Journal of Mechanical Sciences</i> , 2002 , 44, 1467-1478	5.5	18
195	Low Temperature and High Strain Rate Superplasticity of Ni-1 mass%SiC Nanocomposite. <i>Materials Transactions</i> , 2004 , 45, 2558-2563	1.3	18
194	Characterization of the icosahedral phase in as-cast quasicrystalline Al ₆₅ Cu ₂₀ Fe ₁₅ alloy. <i>Materials Characterization</i> , 2001 , 47, 299-305	3.9	18
193	Loading-rate-independent delay of catastrophic avalanches in a bulk metallic glass. <i>Scientific Reports</i> , 2016 , 6, 21967	4.9	18
192	The role of configurational disorder on plastic and dynamic deformation in CuZr metallic glasses: A molecular dynamics analysis. <i>Scientific Reports</i> , 2017 , 7, 40969	4.9	17

191	Deformation behavior of bulk metallic glass structural elements. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 606, 196-204	5.3	17
190	Synthesis of well-aligned CuO nanowire array integrated with nanoporous CuO network for oxidative degradation of methylene blue. <i>Corrosion Science</i> , 2017 , 126, 37-43	6.8	17
189	Pronounced energy absorption capacity of cellular bulk metallic glasses. <i>Applied Physics Letters</i> , 2014 , 104, 111907	3.4	17
188	Temperature dependent dynamics transition of intermittent plastic flow in a metallic glass. I. Experimental investigations. <i>Journal of Applied Physics</i> , 2013 , 114, 033520	2.5	17
187	Constitutive equations for superplastic deformation of SiC particulate reinforced aluminum alloys. <i>Acta Materialia</i> , 1996 , 44, 2515-2522	8.4	17
186	Additively manufactured CrMnFeCoNi/AlCoCrFeNiTi0.5 laminated high-entropy alloy with enhanced strength-plasticity synergy. <i>Scripta Materialia</i> , 2020 , 183, 133-138	5.6	17
185	Metallic Glass Structures for Mechanical-Energy-Dissipation Purpose: A Review. <i>Metals</i> , 2018 , 8, 689	2.3	17
184	A Scalable Laser-Assisted Method to Produce Active and Robust Graphene-Supported Nanoparticle Electrocatalysts. <i>Chemistry of Materials</i> , 2019 , 31, 8230-8238	9.6	16
183	Temperature dependent dynamics transition of intermittent plastic flow in a metallic glass. II. Dynamics analysis. <i>Journal of Applied Physics</i> , 2013 , 114, 033521	2.5	16
182	Enhancement of plasticity and toughness in monolithic Zr-based bulk metallic glass by heterogeneous microstructure. <i>Scripta Materialia</i> , 2011 , 64, 609-612	5.6	16
181	High temperature deformation behavior of Al 2124-SiCp composite. <i>Journal of Materials Processing Technology</i> , 1997 , 63, 395-398	5.3	16
180	A study of hardness and grain size in pulse current electroforming of nickel using different shaped waveforms. <i>Journal of Applied Electrochemistry</i> , 2001 , 31, 25-34	2.6	16
179	Laser bending of thin stainless steel sheets. <i>Journal of Laser Applications</i> , 2000 , 12, 34-40	2.1	16
178	Strain rate sensitivity of a high-strain-rate superplastic Al6061/20SiCW composite under uniaxial and equibiaxial tension. <i>Materials Letters</i> , 2001 , 51, 389-395	3.3	16
177	Theoretical analysis of springback in bending of integrated circuit leadframes. <i>Journal of Materials Processing Technology</i> , 1999 , 91, 111-115	5.3	16
176	Atomistic deformation mechanisms of amorphous/polycrystalline metallic nanolaminates. <i>Intermetallics</i> , 2018 , 95, 102-109	3.5	15
175	Viscous flow during spark plasma sintering of Ti-based metallic glassy powders. <i>Journal of Alloys and Compounds</i> , 2013 , 557, 98-101	5.7	15
174	Fracture Morphologies of Zr-Based Bulk Metallic Glasses Under Different Stress States. <i>Advanced Engineering Materials</i> , 2015 , 17, 366-373	3.5	15

173	Development of Ni- and Cu-Free Zr-Based Bulk Metallic Glasses for Biomedical Applications. <i>Materials Transactions</i> , 2011 , 52, 61-67	1.3	15
172	Quantitative texture analysis in pulse reverse current electroforming of nickel. <i>Surface and Coatings Technology</i> , 1998 , 99, 69-73	4.4	15
171	Surface characterization in ultra-precision machining of Al/SiC metal matrix composites using data dependent systems analysis. <i>Journal of Materials Processing Technology</i> , 2003 , 140, 141-146	5.3	15
170	Modelling the effect of complex waveform on surface finishing in pulse current electroforming of nickel. <i>Surface and Coatings Technology</i> , 2000 , 135, 91-97	4.4	15
169	A theoretical prediction of the strain path of anisotropic sheet metal deformed under uniaxial and biaxial stress state. <i>International Journal of Mechanical Sciences</i> , 1990 , 32, 497-511	5.5	15
168	Multi-layer laminated Pd-based metallic glass with enhanced plasticity. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 587, 240-243	5.3	14
167	Atmospheric RE-free Mg-based bulk metallic glass with high bio-corrosion resistance. <i>Journal of Non-Crystalline Solids</i> , 2013 , 379, 107-111	3.9	14
166	Magneto-caloric effect of Fe ₇₂ Zr ₁₈ B ₁₀ metallic ribbons for room temperature magnetic refrigeration. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 423, 379-385	2.8	14
165	Dynamic Template Assisted Electrodeposition of Porous ZnO Thin Films Using a Triangular Potential Waveform. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 5811-5816	3.8	14
164	Low-temperature mechanical properties of Ce ₆₈ Al ₁₀ Cu ₂₀ Co ₂ bulk metallic glass. <i>Philosophical Magazine Letters</i> , 2011 , 91, 70-77	1	14
163	Prediction of sound-pressure level in an occupied enclosure. <i>Journal of the Acoustical Society of America</i> , 1997 , 101, 2990-2993	2.2	14
162	HIGH-STRAIN-RATE SUPERPLASTIC GAS PRESSURE FORMING OF AN Al ₆₀₆₁ /20SiCw COMPOSITE. <i>Scripta Materialia</i> , 1997 , 37, 1917-1922	5.6	14
161	Numerical simulation of laser forming of aluminum matrix composites with different volume fractions of reinforcement. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 458, 48-57	5.3	14
160	Programmable super elastic kirigami metallic glasses. <i>Materials and Design</i> , 2019 , 169, 107687	8.1	13
159	The Cavitation Behavior of a High-Strain-Rate Superplastic Al ₆₀₆₁ /20SiCw Composite under Uniaxial and Equibiaxial Tension. <i>Scripta Materialia</i> , 1998 , 38, 1705-1710	5.6	13
158	Effect of Cell Morphology and Heat Treatment on Compressive Properties of Aluminum Foams. <i>Materials and Manufacturing Processes</i> , 2004 , 19, 407-422	4.1	13
157	Deformation behaviour of chromium sheets in mechanical and laser bending. <i>Journal of Materials Processing Technology</i> , 2002 , 122, 272-277	5.3	13
156	Additive Manufactured Graphene Coating with Synergistic Photothermal and Superhydrophobic Effects for Bactericidal Applications. <i>Global Challenges</i> , 2020 , 4, 1900054	4.3	13

155	Tensile deformation of a Ti-based metallic glass composite lamella confined by commercially pure titanium. <i>Philosophical Magazine Letters</i> , 2014 , 94, 233-241	1	12
154	Why does pitting preferentially occur on shear bands in bulk metallic glasses?. <i>Intermetallics</i> , 2013 , 42, 107-111	3.5	12
153	Springback in the roller forming of integrated circuit leadframes. <i>Journal of Materials Processing Technology</i> , 1997 , 66, 107-111	5.3	12
152	Enhanced low-temperature superplasticity of NiCo alloy by addition of nano-Si ₃ Ni ₄ particles. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 491, 266-269	5.3	12
151	Deformation behavior of Zr _{55.9} Cu _{18.6} Ta ₈ Al _{7.5} Ni ₁₀ bulk metallic glass matrix composite in the supercooled liquid region. <i>Intermetallics</i> , 2007 , 15, 500-505	3.5	12
150	The effects of pulse plating parameters on copper plating distribution of microvia in PCB manufacture. <i>IEEE Transactions on Electronics Packaging Manufacturing</i> , 2003 , 26, 106-109		12
149	Low temperature superplastic gas pressure forming of electrodeposited Ni/SiCp nanocomposites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 404, 108-116	5.3	12
148	Modeling of electrocrystallization for pulse current electroforming of nickel. <i>Applied Surface Science</i> , 2001 , 178, 178-189	6.7	12
147	The effect of excimer laser surface treatment on corrosion resistance of aluminium 2009/SiCw composite. <i>Materials Letters</i> , 1999 , 39, 274-279	3.3	12
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