Kc Chan

List of Publications by Year in Descending Order

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	Oxidation behavior of the Ti38V15Nb23Hf24 refractory high-entropy alloy at elevated temperatures. *Corrosion Science*, **2022**, 198, 110153	6.8	2
297	Design of Hierarchical Porosity Via Manipulating Chemical and Microstructural Complexities in High-Entropy Alloys for Efficient Water Electrolysis.. *Advanced Science*, **2022**, e2105808	13.6	2
296	Architected hierarchical kirigami metallic glass with programmable stretchability. *AIP Advances*, **2022**, 12, 035305	1.5	0
295	Improving fatigue performance of metallic glasses with crystalline metal coating revealed by atomistic simulations. *Journal of Non-Crystalline Solids*, **2022**, 586, 121559	3.9	
294	Effect of cutting speed on surface integrity and chip formation in micro-cutting of Zr-based bulk metallic glass. *International Journal of Advanced Manufacturing Technology*, **2021**, 114, 3301-3310	3.2	0
293	IrW nanochannel support enabling ultrastable electrocatalytic oxygen evolution at 2 A cm in acidic media. *Nature Communications*, **2021**, 12, 3540	17.4	26
292	Critical transitions in the shape morphing of kirigami metallic glass. *Journal of Materials Science and Technology*, **2021**, 61, 204-212	9.1	7
291	Simultaneous improvement of plasticity and strength of metallic glasses by tailoring residual stress: Role of stress gradient on shear banding. *Materials and Design*, **2021**, 197, 109246	8.1	4
290	One-step fabrication of a laser-induced forward transfer graphene/CuxO nanocomposite-based electrocatalyst to promote hydrogen evolution reaction. *Journal of Materials Chemistry A*, **2021**, 9, 16470-16478	13	3
289	Additive manufacturing of TiB2-containing CoCrFeMnNi high-entropy alloy matrix composites with high density and enhanced mechanical properties. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2021**, 825, 141871	5.3	4
288	Magnetocaloric effect and magnetostriction of a binary Nd50Co50 metallic glass. *Journal of Non-Crystalline Solids*, **2021**, 571, 121076	3.9	3
287	Enhancing strength and plasticity by pre-introduced indent-notches in Zr36Cu64 metallic glass: A molecular dynamics simulation study. *Journal of Materials Science and Technology*, **2020**, 43, 119-125	9.1	6
286	Additive Manufactured Graphene Coating with Synergistic Photothermal and Superhydrophobic Effects for Bactericidal Applications. *Global Challenges*, **2020**, 4, 1900054	4.3	13
285	Achieving stable plastic flows in a Zr-based bulk metallic glass under tailored mixed-mode (I/II) loading conditions. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2020**, 772, 138695	5.3	4
284	Cost-effective and eco-friendly laser-processed cotton paper for high-performance solar evaporation. *Solar Energy Materials and Solar Cells*, **2020**, 218, 110693	6.4	5
283	Additively manufactured CrMnFeCoNi/AlCoCrFeNiTi0.5 laminated high-entropy alloy with enhanced strength-plasticity synergy. *Scripta Materialia*, **2020**, 183, 133-138	5.6	17
282	Flexible Honeycombed Nanoporous/Glassy Hybrid for Efficient Electrocatalytic Hydrogen Generation. *Advanced Materials*, **2019**, 31, e1904989	24	44

281	A Scalable Laser-Assisted Method to Produce Active and Robust Graphene-Supported Nanoparticle Electrocatalysts. *Chemistry of Materials*, **2019**, 31, 8230-8238	9.6	16
280	Formation of fully equiaxed grain microstructure in additively manufactured AlCoCrFeNiTi0.5 high entropy alloy. *Materials and Design*, **2019**, 184, 108202	8.1	24
279	3D printed graphene/nickel electrodes for high areal capacitance electrochemical storage. *Journal of Materials Chemistry A*, **2019**, 7, 4055-4062	13	44
278	Atomistic understanding of deformation-induced heterogeneities in wire drawing and their effects on the tensile ductility of metallic glass wires. *Journal of Alloys and Compounds*, **2019**, 803, 193-204	5.7	6
277	Additive manufacturing of fine-grained and dislocation-populated CrMnFeCoNi high entropy alloy by laser engineered net shaping. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2019**, 761, 138056	5.3	50
276	Study of Numerical Simulation during ECAP Processing of Can Based on Smooth Particle Hydrodynamics. *Complexity*, **2019**, 2019, 1-16	1.6	2
275	On the variation of the mechanical energy accumulation rates during the flow serrations of a Zr-based bulk metallic glass. *Journal of Non-Crystalline Solids*, **2019**, 508, 1-6	3.9	4
274	Programmable super elastic kirigami metallic glasses. *Materials and Design*, **2019**, 169, 107687	8.1	13
273	Tunable tensile ductility of metallic glasses with partially rejuvenated amorphous structures. *Acta Materialia*, **2019**, 169, 122-134	8.4	18
272	Control of shear band dynamics in Cu50Zr50 metallic glass by introducing amorphous-crystalline interfaces. *Journal of Alloys and Compounds*, **2019**, 770, 896-905	5.7	24
271	All 3D-Printed Superhydrophobic/Oleophilic Membrane for Robotic Oil Recycling. *Advanced Materials Interfaces*, **2019**, 6, 1900874	4.6	18
270	Fatigue of additively manufactured 316L stainless steel: The influence of porosity and surface roughness. *Fatigue and Fracture of Engineering Materials and Structures*, **2019**, 42, 2043-2052	3	57
269	Tuning deformation behavior of Cu0.5CoNiCrAl high-entropy alloy via cooling rate gradient: An atomistic study. *Intermetallics*, **2019**, 112, 106553	3.5	6
268	Sandwich nanoporous framework decorated with vertical CuO nanowire arrays for electrochemical glucose sensing. *Electrochimica Acta*, **2019**, 299, 470-478	6.7	35
267	Wearable Fluid Capture Devices for Electrochemical Sensing of Sweat. *ACS Applied Materials & Interfaces*, **2019**, 11, 238-243	9.5	41
266	Atomistic deformation mechanisms of amorphous/polycrystalline metallic nanolaminates. *Intermetallics*, **2018**, 95, 102-109	3.5	15
265	Tensile behavior of Cu-coated PdCuNiP metallic glassy wire. *Scientific Reports*, **2018**, 8, 5659	4.9	1
264	Deformation behavior of bulk metallic glasses under a mixed-mode (I/II) loading condition. *Intermetallics*, **2018**, 93, 148-154	3.5	6

263	Quantifying the microstructural inhomogeneity of Zr46Cu46Al8 metallic glasses based on change ratio of polyhedral volume. *Journal of Alloys and Compounds*, **2018**, 731, 452-457	5.7	3
262	Highly stretchable kirigami metallic glass structures with ultra-small strain energy loss. *Scripta Materialia*, **2018**, 142, 83-87	5.6	24
261	The effect of different minor additions on the magneto-caloric effect of FeZrB metallic ribbons near room temperature. *Journal of Magnetism and Magnetic Materials*, **2018**, 446, 12-17	2.8	4
260	Floating, highly efficient, and scalable graphene membranes for seawater desalination using solar energy. *Green Chemistry*, **2018**, 20, 3689-3695	10	70
259	Magnetic properties and magnetostriction of a binary Dy 50 Co 50 amorphous alloy. *Journal of Non-Crystalline Solids*, **2018**, 493, 29-32	3.9	5
258	Formability and magnetic properties of Dy-Co binary amorphous alloys. *AIP Advances*, **2018**, 8, 075215	1.5	7
257	Rejuvenation by weakening the medium range order in Zr46Cu46Al8 metallic glass with pressure preloading: A molecular dynamics simulation study. *Materials and Design*, **2018**, 158, 248-255	8.1	28
256	Flexible glassy grid structure for rapid degradation of azo dye. *Materials and Design*, **2018**, 155, 346-351	8.1	20
255	Formation of micro/nano pits with high catalytic activity on Fe80B20 amorphous alloy. *Corrosion Science*, **2018**, 141, 109-116	6.8	7
254	Metallic Glass Structures for Mechanical-Energy-Dissipation Purpose: A Review. *Metals*, **2018**, 8, 689	2.3	17
253	The role of configurational disorder on plastic and dynamic deformation in CuZr metallic glasses: A molecular dynamics analysis. *Scientific Reports*, **2017**, 7, 40969	4.9	17
252	Fe-based metallic glass catalyst with nanoporous surface for azo dye degradation. *Chemosphere*, **2017**, 174, 76-81	8.4	47
251	Revealing homogeneous plastic deformation in dendrite-reinforced Ti-based metallic glass composites under tension. *Scientific Reports*, **2017**, 7, 42598	4.9	11
250	Large adiabatic temperature rise above the water ice point of a minor Fe substituted Gd 50 Co 50 amorphous alloy. *Journal of Non-Crystalline Solids*, **2017**, 464, 30-33	3.9	11
249	Magnetoelastic and magnetocaloric properties of Tb62.5Co37.5 amorphous alloy. *Journal of Alloys and Compounds*, **2017**, 728, 747-751	5.7	9
248	Slip avalanche in nanoscratching of metallic glasses. *Journal of Applied Physics*, **2017**, 122, 115108	2.5	2
247	Achieving a table-like magnetic entropy change across the ice point of water with tailorable temperature range in Gd-Co-based amorphous hybrids. *Journal of Alloys and Compounds*, **2017**, 723, 197-200	5.7	22
246	Stick-slip dynamics in a Ni62Nb38 metallic glass film during nanoscratching. *Acta Materialia*, **2017**, 136, 49-60	8.4	22

245	Synthesis of well-aligned CuO nanowire array integrated with nanoporous CuO network for oxidative degradation of methylene blue. *Corrosion Science*, **2017**, 126, 37-43	6.8	17
244	Magneto-caloric effect of FexZryB100□ metallic ribbons for room temperature magnetic refrigeration. *Journal of Magnetism and Magnetic Materials*, **2017**, 423, 379-385	2.8	14
243	Ideal shear banding in metallic glass. *Philosophical Magazine*, **2016**, 96, 3159-3176	1.6	3
242	Flaw-induced plastic-flow dynamics in bulk metallic glasses under tension. *Scientific Reports*, **2016**, 6, 36130	4.9	9
241	Effect of external disturbances on the strain-rate dependent plastic deformation behavior of a bulk metallic glass. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2016**, 669, 103-109	5.3	11
240	Manipulation of free volumes in a metallic glass through Xe-ion irradiation. *Acta Materialia*, **2016**, 106, 66-77	8.4	82
239	Saw-tooth-like bulk metallic glass structures with greatly enhanced energy-absorption performance. *Journal of Alloys and Compounds*, **2016**, 661, 49-54	5.7	6
238	How hot is a shear band in a metallic glass?. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2016**, 651, 321-331	5.3	20
237	Influence of Minor Addition of Cr on the Magnetocaloric Effect in Fe-Based Metallic Ribbons. *Materials Transactions*, **2016**, 57, 9-14	1.3	7
236	Loading-rate-independent delay of catastrophic avalanches in a bulk metallic glass. *Scientific Reports*, **2016**, 6, 21967	4.9	18
235	Achieving tailorable magneto-caloric effect in the Gd-Co binary amorphous alloys. *AIP Advances*, **2016**, 6, 035302	1.5	23
234	Origin of Shear Stability and Compressive Ductility Enhancement of Metallic Glasses by Metal Coating. *Scientific Reports*, **2016**, 6, 27852	4.9	10
233	Reliability of the plastic deformation behavior of a Zr-based bulk metallic glass. *Intermetallics*, **2016**, 74, 25-30	3.5	10
232	Microstructure and tensile behavior of small scale resistance spot welded sandwich bulk metallic glasses. *Journal of Non-Crystalline Solids*, **2016**, 447, 300-306	3.9	3
231	ZrCu-based bulk metallic glass composites with large strain-hardening capability. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2015**, 636, 502-506	5.3	41
230	Magneto-caloric effect of a Gd50Co50 amorphous alloy near the freezing point of water. *AIP Advances*, **2015**, 5, 097122	1.5	25
229	Cutting Characteristics of Zr-Based Bulk Metallic Glass. *Journal of Materials Science and Technology*, **2015**, 31, 153-158	9.1	29
228	Achieving a large adiabatic temperature rise of Gd55Co25Al20 bulk metallic glass by minor Zn addition. *Journal of Materials Science*, **2015**, 50, 1333-1337	4.3	9

227	Improvement of glass forming ability and magnetic properties of a Gd55Al20Co25 bulk metallic glass by minor Fe substitution for Co. *Modern Physics Letters B*, **2015**, 29, 1550198	1.6	1
226	Synthesis of self-detached nanoporous titanium-based metal oxide. *Journal of Solid State Chemistry* , **2015**, 229, 78-86	3.3	2
225	Achieving high energy absorption capacity in cellular bulk metallic glasses. *Scientific Reports*, **2015**, 5, 10302	4.9	21
224	Fracture Morphologies of Zr-Based Bulk Metallic Glasses Under Different Stress States. *Advanced Engineering Materials*, **2015**, 17, 366-373	3.5	15
223	Bulk metallic glass composite with good tensile ductility, high strength and large elastic strain limit. *Scientific Reports*, **2014**, 4, 5302	4.9	79
222	Buckling of metallic glass bars. *Journal of Non-Crystalline Solids*, **2014**, 387, 1-5	3.9	5
221	Diffusion bonding of a Zr-based metallic glass in its supercooled liquid region. *Intermetallics*, **2014**, 46, 236-242	3.5	18
220	Tensile deformation of a Ti-based metallic glass composite lamella confined by commercially pure titanium. *Philosophical Magazine Letters*, **2014**, 94, 233-241	1	12
219	Deformation behavior of bulk metallic glass structural elements. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2014**, 606, 196-204	5.3	17
218	Electrochemical synthesis of transparent nanocrystalline Cu2O films using a reverse potential waveform. *Thin Solid Films*, **2014**, 550, 17-21	2.2	9
217	Effect of Co Addition on the Magneto-Caloric Effect of Fe-Based Metallic Glasses. *Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy*, **2014**, 61, S248-S251	0.2	
216	Large magnetic entropy change and adiabatic temperature rise of a Gd55Al20Co20Ni5 bulk metallic glass. *Journal of Applied Physics*, **2014**, 115, 223904	2.5	46
215	Pronounced energy absorption capacity of cellular bulk metallic glasses. *Applied Physics Letters*, **2014**, 104, 111907	3.4	17
214	Deformation Evolution of a Zr-Based Bulk Metallic Glass under Three-Point Bending Tests. *Advanced Materials Research*, **2014**, 939, 31-38	0.5	5
213	Stabilized shear banding of ZrCu-based metallic glass composites under tensile loading. *Journal of Materials Science*, **2014**, 49, 2164-2170	4.3	34
212	Why does pitting preferentially occur on shear bands in bulk metallic glasses?. *Intermetallics*, **2013**, 42, 107-111	3.5	12
211	Shear avalanches in metallic glasses under nanoindentation: Deformation units and rate dependent strain burst cut-off. *Applied Physics Letters*, **2013**, 103, 101907	3.4	43
210	Multi-layer laminated Pd-based metallic glass with enhanced plasticity. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2013**, 587, 240-243	5.3	14

209	Deformation behavior of a Zr-based bulk metallic glass under a complex stress state. *Intermetallics*, **2013**, 43, 38-44	3.5	27
208	Viscous flow during spark plasma sintering of Ti-based metallic glassy powders. *Journal of Alloys and Compounds*, **2013**, 557, 98-101	5.7	15
207	Effect of stress gradient on the deformation behavior of a bulk metallic glass under uniaxial tension. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2013**, 574, 262-265	5.3	27
206	In situ formation of Ti alloy/TiC porous composites by rapid microwave sintering of Ti6Al4V/MWCNTs powder. *Journal of Alloys and Compounds*, **2013**, 557, 67-72	5.7	65
205	Atmospheric RE-free Mg-based bulk metallic glass with high bio-corrosion resistance. *Journal of Non-Crystalline Solids*, **2013**, 379, 107-111	3.9	14
204	Novel centimeter-sized Fe-based bulk metallic glass with high corrosion resistance in simulated acid rain and seawater. *Journal of Non-Crystalline Solids*, **2013**, 369, 29-33	3.9	32
203	Temperature dependent dynamics transition of intermittent plastic flow in a metallic glass. I. Experimental investigations. *Journal of Applied Physics*, **2013**, 114, 033520	2.5	17
202	Temperature dependent dynamics transition of intermittent plastic flow in a metallic glass. II. Dynamics analysis. *Journal of Applied Physics*, **2013**, 114, 033521	2.5	16
201	Effect of Alloying Elements with Positive Heat of Mixing on the Free Volume and Compressive Plasticity in ZrCoCuAl Bulk Metallic Glasses. *Materials Transactions*, **2013**, 54, 2209-2214	1.3	3
200	Bioactive calcium titanate coatings on a Zr-based bulk metallic glass by laser cladding. *Materials Letters*, **2012**, 82, 67-70	3.3	24
199	A plastic Ni-free Zr-based bulk metallic glass with high specific strength and good corrosion properties in simulated body fluid. *Materials Letters*, **2012**, 84, 81-84	3.3	34
198	Thermodynamic, corrosion and mechanical properties of Zr-based bulk metallic glasses in relation to heterogeneous structures. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2012**, 534, 157-162	5.3	5
197	Wear behavior of HVOF-sprayed Fe-based amorphous coatings. *Intermetallics*, **2012**, 29, 80-85	3.5	119
196	Plasticity enhancement of a Zr-based bulk metallic glass by an electroplated Cu/Ni bilayered coating. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2012**, 552, 199-203	5.3	36
195	Enhanced plasticity by introducing icosahedral medium-range order in ZrCuNiAl metallic glass. *Intermetallics*, **2012**, 24, 79-83	3.5	20
194	Large magnetic entropy and electron-phonon coupling in Gd-based metallic glass. *Journal of Applied Physics*, **2012**, 112, 113503	2.5	2
193	Pitting initiation in Fe-based amorphous coatings. *Acta Materialia*, **2012**, 60, 4152-4159	8.4	109
192	Cutting Characteristics of Lanthanum Base Metallic Glass in Single Point Diamond Turning. *Key Engineering Materials*, **2012**, 516, 651-655	0.4	1

191	Effect of Minor Co Substitution for Ni on the Glass Forming Ability and Magnetic Properties of Gd 55 Al 20 Ni 25 Bulk Metallic Glass. *Chinese Physics Letters*, **2012**, 29, 096103	1.8	11
190	Enhanced glass forming ability and refrigerant capacity of a Gd55Ni22Mn3Al20 bulk metallic glass. *Journal of Alloys and Compounds*, **2011**, 509, 6640-6643	5.7	29
189	Elastic moduli and mechanical properties of bulk metallic glasses after quasi-static compression. *Journal of Alloys and Compounds*, **2011**, 509, 8518-8521	5.7	10
188	Notch toughness of Fe-based bulk metallic glass and composites. *Journal of Alloys and Compounds*, **2011**, 509, 9441-9446	5.7	20
187	Enhanced plasticity of a Zr50Cu48Al2 bulk metallic glass. *Journal of Non-Crystalline Solids*, **2011**, 357, 1469-1472	3.9	4
186	Development of Ni- and Cu-Free Zr-Based Bulk Metallic Glasses for Biomedical Applications. *Materials Transactions*, **2011**, 52, 61-67	1.3	15
185	Enhanced magnetocaloric effect of a partially crystalline Gd55Al20Ni25 bulk metallic glass. *Solid State Sciences*, **2011**, 13, 2086-2089	3.4	6
184	Enhancement of plasticity and toughness in monolithic Zr-based bulk metallic glass by heterogeneous microstructure. *Scripta Materialia*, **2011**, 64, 609-612	5.6	16
183	Plasticity improvement of an Fe-based bulk metallic glass by geometric confinement. *Materials Letters*, **2011**, 65, 1172-1175	3.3	38
182	Encapsulated Zr-based bulk metallic glass with large plasticity. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2011**, 528, 2988-2994	5.3	43
181	Fabrication and characteristics of porous NiTi shape memory alloy synthesized by microwave sintering. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2011**, 528, 6006-6011	5.3	41
180	Low-temperature mechanical properties of Ce68Al10Cu20Co2 bulk metallic glass. *Philosophical Magazine Letters*, **2011**, 91, 70-77	1	14
179	Tribological characterisation of Zr-based bulk metallic glass in simulated physiological media. *Philosophical Magazine*, **2011**, 91, 3705-3715	1.6	24
178	Valence fluctuation and electron□phonon coupling in La68□CexAl10Cu20Co2 (x=0, 34, and 68) metallic glasses. *Journal of Applied Physics*, **2010**, 108, 033525	2.5	3
177	FLEXIBLE DISSIPATIVE PARTICLE DYNAMICS. *International Journal of Modern Physics C*, **2010**, 21, 1129-1148	1.8	2
176	Non-periodic boundary model with soft transition in molecular dynamics simulation. *Europhysics Letters*, **2010**, 92, 50007	1.6	6
175	Superplastic forming of Zr based metallic glass ribbons under equibiaxial tension. *Materials Science and Technology*, **2010**, 26, 247-252	1.5	
174	Bio-activation of Ni-free Zr-based bulk metallic glass by surface modification. *Intermetallics*, **2010**, 18, 1978-1982	3.5	20

173	The effect of microalloying on mechanical properties in CuZrAl bulk metallic glass. *Journal of Alloys and Compounds*, **2010**, 504, S74-S77	5.7	31
172	Dynamic Template Assisted Electrodeposition of Porous ZnO Thin Films Using a Triangular Potential Waveform. *Journal of Physical Chemistry C*, **2010**, 114, 5811-5816	3.8	14
171	Formation of Metastable Phases and Their Effect on the Glass-Forming Ability of Cu-Hf Binary Alloys. *Materials Transactions*, **2010**, 51, 68-71	1.3	9
170	Monte Carlo simulation of dual magnetic phase behavior in bulk metallic glasses. *Journal of Magnetism and Magnetic Materials*, **2010**, 322, 2567-2570	2.8	7
169	Mesoscopic phenomena in Au nanocrystal floating gate memory structure. *Applied Physics Letters*, **2009**, 95, 113109	3.4	5
168	Deformation behavior and indentation size effect in amorphous and crystallized Pd40Cu30Ni10P20 alloy. *Journal of Materials Research*, **2009**, 24, 1693-1699	2.5	5
167	Tensile plastic deformation of a Zr-based bulk metallic glass composite in the supercooled liquid region. *Scripta Materialia*, **2009**, 60, 369-372	5.6	10
166	Enhanced plasticity by phase separation in CuZrAl bulk metallic glass with micro-addition of Fe. *Scripta Materialia*, **2009**, 60, 822-825	5.6	81
165	Self-organized intermittent plastic flow in bulk metallic glasses. *Acta Materialia*, **2009**, 57, 6146-6155	8.4	150
164	Morphology and growth of electrodeposited cuprous oxide under different values of direct current density. *Thin Solid Films*, **2009**, 518, 120-125	2.2	10
163	Stress-induced structural change during superplastic deformation of bulk Zr-based metallic glass. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2009**, 499, 534-539	5.3	1
162	Deformation behavior and indentation size effect of Au49Ag5.5Pd2.3Cu26.9Si16.3 bulk metallic glass at elevated temperatures. *Intermetallics*, **2009**, 17, 227-230	3.5	29
161	Change in free volume during the homogeneous flow of Zr-based bulk metallic glass matrix composite. *Journal of Alloys and Compounds*, **2009**, 467, 208-212	5.7	9
160	Thermoplastic gas pressure forming of bulk metallic glass sheets under biaxial tension. *Journal of Alloys and Compounds*, **2009**, 484, 159-163	5.7	1
159	Enhanced glass forming ability and plasticity of a Ni-free Zr-based bulk metallic glass. *Journal of Alloys and Compounds*, **2009**, 487, 152-156	5.7	47
158	Enhancement of Strength and Corrosion Resistance of Copper Wires by Metallic Glass Coating. *Materials Transactions*, **2009**, 50, 2451-2454	1.3	10
157	Investigations on interface debonding of the particle reinforced metal matrix composites in laser forming **2009**,		1
156	Surface modification and biocompatibility of Ni-free Zr-based bulk metallic glass. *Scripta Materialia*, **2008**, 58, 231-234	5.6	39

155	Dual magnetic phases in Nd-based bulk metallic glass. *Materials Letters*, **2008**, 62, 4012-4014	3.3	3
154	Glass forming ability and mechanical properties of Zr50Cu42Al8bulk metallic glass. *Journal Physics D: Applied Physics*, **2008**, 41, 225410	3	8
153	Effects of duty cycle on electrodeposition behaviour of Ni□SiCp composite coatings. *Surface Engineering*, **2008**, 24, 204-208	2.6	5
152	The indentation size effect in Pd40Cu30Ni10P20bulk metallic glass. *Journal Physics D: Applied Physics*, **2008**, 41, 155415	3	19
151	Single electron tunneling and Coulomb blockade effect in HfAlO□Au nanocrystals/HfAlO trilayer nonvolatile memory structure. *Applied Physics Letters*, **2008**, 92, 143117	3.4	9
150	Study of tunneling mechanism of Au nanocrystals in HfAlO matrix as floating gate memory. *Applied Physics Letters*, **2008**, 92, 223105	3.4	19
149	Water absorption and solubility of PHBHV/HA nanocomposites. *Composites Science and Technology*, **2008**, 68, 1927-1934	8.6	37
148	Deformation behavior of Zr-based bulk metallic glass and composite in the supercooled liquid region **2008**, 51, 349-355		4
147	Deformation behavior, corrosion resistance, and cytotoxicity of Ni-free Zr-based bulk metallic glasses. *Journal of Biomedical Materials Research - Part A*, **2008**, 86, 160-9	5.4	53
146	Numerical modeling of the thermo-mechanical behavior of particle reinforced metal matrix composites in laser forming by using a multi-particle cell model. *Composites Science and Technology*, **2008**, 68, 1943-1953	8.6	19
145	Instability of crack propagation in brittle bulk metallic glass. *Acta Materialia*, **2008**, 56, 5845-5860	8.4	54
144	Enhanced low-temperature superplasticity of Ni□Co alloy by addition of nano-Si3Ni4 particles. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2008**, 491, 266-269	5.3	12
143	Dynamic mechanical properties and in vitro bioactivity of PHBHV/HA nanocomposite. *Composites Science and Technology*, **2007**, 67, 1617-1626	8.6	110
142	The effect of high temperature plastic deformation on the thermal stability and microstructure of Zr55Cu30Ni5Al10 bulk metallic glass. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2007**, 449-451, 949-953	5.3	18
141	The effect of the addition of Ta on the structure, crystallization and mechanical properties of Zr□Cu□Ni□Al□Ta bulk metallic glasses. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2007**, 445-446, 697-706	5.3	30
140	Numerical simulation of laser forming of aluminum matrix composites with different volume fractions of reinforcement. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2007**, 458, 48-57	5.3	14
139	Improvements in the plasticity and biocompatibility of Zr□Cu□Ni□Al bulk metallic glass by the microalloying of Nb. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2007**, 449-451, 193-197	5.3	39
138	Cooling rate induced variation in microstructure and magnetic structure of Nd60Fe30Al10 glass forming alloy. *Materials Letters*, **2007**, 61, 3909-3912	3.3	4

137	Enhancement of corrosion resistance of electrocodeposited Ni–SiC composites by magnetic field. *Journal of Solid State Electrochemistry*, **2007**, 11, 745-750	2.6	21
136	Superplastic deformation behaviour of electrodeposited nanocrystalline nickel. *Materials Science and Technology*, **2007**, 23, 677-682	1.5	8
135	Homogeneous Flow of In Situ Bulk Metallic Glass Matrix Composite. *Materials Science Forum*, **2007**, 551-552, 561-567	0.4	
134	Superplastic Deformation Behavior of Electrodeposited Nickel Matrix Nanocomposite. *Materials Science Forum*, **2007**, 551-552, 521-526	0.4	
133	Formation and Biocompatibility of Ni-Free Zr60Nb5Cu20Fe5Al10 Bulk Metallic Glass. *Materials Transactions*, **2007**, 48, 1879-1882	1.3	4
132	Understanding Grain Growth Behavior in a Superplastic Nickel-Based Nanocomposite: Influence of Mechanical Deformation and Heat Treatment. *Materials and Manufacturing Processes*, **2007**, 22, 243-246	4.1	1
131	Effect of reinforcement morphology on deformation behavior of particle reinforced metal matrix composites in laser forming. *Computational Materials Science*, **2007**, 40, 168-177	3.2	2
130	Superplastic deformation of Zr55Cu30Al10Ni5 bulk metallic glass in the supercooled liquid region. *Journal of Non-Crystalline Solids*, **2007**, 353, 3758-3763	3.9	26
129	Deformation behavior of Zr55.9Cu18.6Ta8Al7.5Ni10 bulk metallic glass matrix composite in the supercooled liquid region. *Intermetallics*, **2007**, 15, 500-505	3.5	12
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