

Wen-Hong Wang

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ext. citations

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L-index

#	Paper	IF	Citations
270	Intrinsic plasticity or brittleness of metallic glasses. <i>Philosophical Magazine Letters</i> , 2005 , 85, 77-87	1	927
269	Super plastic bulk metallic glasses at room temperature. <i>Science</i> , 2007 , 315, 1385-8	33.3	912
268	Giant anomalous Hall effect in a ferromagnetic Kagom lattice semimetal. <i>Nature Physics</i> , 2018 , 14, 1125-1131	16.31	440
267	Rejuvenation of metallic glasses by non-affine thermal strain. <i>Nature</i> , 2015 , 524, 200-3	50.4	408
266	Bulk Metallic Glasses with Functional Physical Properties. <i>Advanced Materials</i> , 2009 , 21, 4524-4544	24	343
265	Stable magnetostructural coupling with tunable magnetoresponse effects in hexagonal ferromagnets. <i>Nature Communications</i> , 2012 , 3, 873	17.4	313
264	Flexible All-Solid-State Supercapacitors based on Liquid-Exfoliated Black-Phosphorus Nanoflakes. <i>Advanced Materials</i> , 2016 , 28, 3194-201	24	249
263	Martensitic transformation and shape memory effect in ferromagnetic Heusler alloy Ni ₂ FeGa. <i>Applied Physics Letters</i> , 2003 , 82, 424-426	3.4	208
262	Demonstration of half-metallicity in fermi-level-tuned Heusler alloy Co ₂ FeAl _{0.5} Si _{0.5} at room temperature. <i>Physical Review Letters</i> , 2009 , 102, 246601	7.4	204
261	Evolution of hidden localized flow during glass-to-liquid transition in metallic glass. <i>Nature Communications</i> , 2014 , 5, 5823	17.4	197
260	Te-Doped Black Phosphorus Field-Effect Transistors. <i>Advanced Materials</i> , 2016 , 28, 9408-9415	24	195
259	A new spin gapless semiconductors family: Quaternary Heusler compounds. <i>Europhysics Letters</i> , 2013 , 102, 17007	1.6	187
258	Magnetic properties and spin polarization of Co ₂ MnSi Heusler alloy thin films epitaxially grown on GaAs(001). <i>Physical Review B</i> , 2005 , 71,	3.3	180
257	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	2.5	163
256	Effect of local structures and atomic packing on glass forming ability in Cu _x Zr _{100-x} metallic glasses. <i>Applied Physics Letters</i> , 2010 , 96, 021901	3.4	152
255	Five-fold symmetry as indicator of dynamic arrest in metallic glass-forming liquids. <i>Nature Communications</i> , 2015 , 6, 8310	17.4	147
254	Flow unit perspective on room temperature homogeneous plastic deformation in metallic glasses. <i>Physical Review Letters</i> , 2014 , 113, 045501	7.4	147

253	A Centrosymmetric Hexagonal Magnet with Superstable Biskyrmion Magnetic Nanodomains in a Wide Temperature Range of 100-340 K. <i>Advanced Materials</i> , 2016 , 28, 6887-93	24	142
252	Giant tunneling magnetoresistance up to 330% at room temperature in sputter deposited Co ₂ FeAl/MgO/CoFe magnetic tunnel junctions. <i>Applied Physics Letters</i> , 2009 , 95, 182502	3.4	138
251	Liquid-Exfoliated Black Phosphorous Nanosheet Thin Films for Flexible Resistive Random Access Memory Applications. <i>Advanced Functional Materials</i> , 2016 , 26, 2016-2024	15.6	137
250	Giant and anisotropic many-body spin-orbit tunability in a strongly correlated kagome magnet. <i>Nature</i> , 2018 , 562, 91-95	50.4	132
249	Coherent tunneling and giant tunneling magnetoresistance in Co ₂ FeAl/MgO/CoFe magnetic tunneling junctions. <i>Physical Review B</i> , 2010 , 81,	3.3	125
248	Measurements of slow Relaxations in metallic glasses and supercooled liquids. <i>Physical Review B</i> , 2007 , 75,	3.3	122
247	Observation of Various and Spontaneous Magnetic Skyrmionic Bubbles at Room Temperature in a Frustrated Kagome Magnet with Uniaxial Magnetic Anisotropy. <i>Advanced Materials</i> , 2017 , 29, 1701144	24	117
246	High-Entropy Metallic Glasses. <i>Jom</i> , 2014 , 66, 2067-2077	2.1	96
245	Machine Learning Approach for Prediction and Understanding of Glass-Forming Ability. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 3434-3439	6.4	91
244	Realization of multifunctional shape-memory ferromagnets in all-d-metal Heusler phases. <i>Applied Physics Letters</i> , 2015 , 107, 022406	3.4	90
243	Coexistence of reentrant-spin-glass and ferromagnetic martensitic phases in the Mn ₂ Ni _{1.6} Sn _{0.4} Heusler alloy. <i>Applied Physics Letters</i> , 2011 , 99, 182507	3.4	88
242	Hidden topological order and its correlation with glass-forming ability in metallic glasses. <i>Nature Communications</i> , 2015 , 6, 6035	17.4	86
241	Giant magnetocaloric effect in isostructural MnNiGe-CoNiGe system by establishing a Curie-temperature window. <i>Applied Physics Letters</i> , 2013 , 102, 122405	3.4	84
240	Observation of Magnetic Skyrmion Bubbles in a van der Waals Ferromagnet FeGeTe. <i>Nano Letters</i> , 2020 , 20, 868-873	11.5	83
239	Local temperature rises during mechanical testing of metallic glasses. <i>Journal of Materials Research</i> , 2007 , 22, 419-427	2.5	81
238	Weak antilocalization effect and noncentrosymmetric superconductivity in a topologically nontrivial semimetal LuPdBi. <i>Scientific Reports</i> , 2014 , 4, 5709	4.9	80
237	Superhydrophobic metallic glass surface with superior mechanical stability and corrosion resistance. <i>Applied Physics Letters</i> , 2014 , 104, 173701	3.4	78
236	Large linear magnetoresistance and Shubnikov-de Hass oscillations in single crystals of YPdBi Heusler topological insulators. <i>Scientific Reports</i> , 2013 , 3, 2181	4.9	75

235	Superior glass-forming ability of CuZr alloys from minor additions. <i>Journal of Materials Research</i> , 2006 , 21, 1674-1679	2.5	71
234	Relaxation Decoupling in Metallic Glasses at Low Temperatures. <i>Physical Review Letters</i> , 2017 , 118, 225904	4.1	63
233	Unprecedentedly Wide Curie-Temperature Windows as Phase-Transition Design Platform for Tunable Magneto-Multifunctional Materials. <i>Advanced Electronic Materials</i> , 2015 , 1, 1500076	6.4	63
232	Compositional origin of unusual relaxation properties in La-Ni-Al metallic glasses. <i>Journal of Chemical Physics</i> , 2014 , 141, 084506	3.9	62
231	Temperature dependence of tunneling magnetoresistance in epitaxial magnetic tunnel junctions using a Co ₂ FeAl Heusler alloy electrode. <i>Physical Review B</i> , 2010 , 82,	3.3	62
230	Crossover of magnetoresistance in the zero-gap half-metallic Heusler alloy Fe ₂ CoSi. <i>Europhysics Letters</i> , 2013 , 103, 37011	1.6	61
229	Magnetostructural Transformation and Magneto-responsive Properties of $\text{MnNiGe}_{1-x}\text{Sn}_x$ Alloys. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 4041-4043	2	60
228	Correlation between structural relaxation and connectivity of icosahedral clusters in CuZr metallic glass-forming liquids. <i>Physical Review B</i> , 2013 , 88,	3.3	59
227	Thermophysical and elastic properties of Cu ₅₀ Zr ₅₀ and (Cu ₅₀ Zr ₅₀) ₉₅ Al ₅ bulk-metallic-glass-forming alloys. <i>Applied Physics Letters</i> , 2006 , 89, 241917	3.4	57
226	Direct writing of room temperature and zero field skyrmion lattices by a scanning local magnetic field. <i>Applied Physics Letters</i> , 2018 , 112, 132405	3.4	54
225	Ductile Metallic Glasses in Supercooled Martensitic Alloys. <i>Materials Transactions</i> , 2006 , 47, 2606-2609	1.3	54
224	Structural, electronic, magnetic, half-metallic, mechanical, and thermodynamic properties of the quaternary Heusler compound FeCrRuSi: A first-principles study. <i>Scientific Reports</i> , 2017 , 7, 16183	4.9	53
223	Magneto-transport properties of oriented Mn ₂ CoAl films sputtered on thermally oxidized Si substrates. <i>Applied Physics Letters</i> , 2014 , 104, 242408	3.4	53
222	Strain distribution in Zr _{64.13} Cu _{15.75} Ni _{10.12} Al ₁₀ bulk metallic glass investigated by in situ tensile tests under synchrotron radiation. <i>Journal of Applied Physics</i> , 2008 , 104, 013522	2.5	53
221	Ultrasonic investigation of Pd ₃₉ Ni ₁₀ Cu ₃₀ P ₂₁ bulk metallic glass upon crystallization. <i>Applied Physics Letters</i> , 2000 , 77, 1147-1149	3.4	52
220	Ultrastable metallic glasses formed on cold substrates. <i>Nature Communications</i> , 2018 , 9, 1389	17.4	51
219	Flexible strain sensors with high performance based on metallic glass thin film. <i>Applied Physics Letters</i> , 2017 , 111, 121906	3.4	50
218	Magnetostructural martensitic transformations with large volume changes and magneto-strains in all-d-metal Heusler alloys. <i>Applied Physics Letters</i> , 2016 , 109, 071904	3.4	50

217	Transition from Anomalous Hall Effect to Topological Hall Effect in Hexagonal Non-Collinear Magnet MnGa. <i>Scientific Reports</i> , 2017 , 7, 515	4.9	45
216	Creation of Single Chain of Nanoscale Skyrmion Bubbles with Record-High Temperature Stability in a Geometrically Confined Nanostripe. <i>Nano Letters</i> , 2018 , 18, 1274-1279	11.5	44
215	An electronic structure perspective on glass-forming ability in metallic glasses. <i>Applied Physics Letters</i> , 2010 , 96, 081902	3.4	44
214	Pressure effects on mechanical properties of bulk metallic glass. <i>Applied Physics Letters</i> , 2007 , 90, 051906	3.4	44
213	Real-Space Observation of Nonvolatile Zero-Field Biskyrmion Lattice Generation in MnNiGa Magnet. <i>Nano Letters</i> , 2017 , 17, 7075-7079	11.5	42
212	High electron mobility and large magnetoresistance in the half-Heusler semimetal LuPtBi. <i>Physical Review B</i> , 2015 , 92,	3.3	42
211	Mechanical heterogeneity and mechanism of plasticity in metallic glasses. <i>Applied Physics Letters</i> , 2009 , 94, 031904	3.4	41
210	Electric-field-driven non-volatile multi-state switching of individual skyrmions in a multiferroic heterostructure. <i>Nature Communications</i> , 2020 , 11, 3577	17.4	40
209	Memory Effect Manifested by a Boson Peak in Metallic Glass. <i>Physical Review Letters</i> , 2016 , 116, 175901	7.4	39
208	Towards understanding of heat effects in metallic glasses on the basis of macroscopic shear elasticity. <i>Scientific Reports</i> , 2016 , 6, 23026	4.9	38
207	Correlation between dynamic flow and thermodynamic glass transition in metallic glasses. <i>Applied Physics Letters</i> , 2010 , 96, 251902	3.4	38
206	Giant exchange bias based on magnetic transition in Fe ₂ MnGa melt-spun ribbons. <i>Applied Physics Letters</i> , 2010 , 97, 242513	3.4	38
205	Enhance plasticity of bulk metallic glasses by geometric confinement. <i>Journal of Materials Research</i> , 2007 , 22, 2384-2388	2.5	37
204	Large low-field positive magnetoresistance in nonmagnetic half-Heusler ScPtBi single crystal. <i>Applied Physics Letters</i> , 2015 , 107, 202103	3.4	36
203	Characterization of flow units in metallic glass through density variation. <i>Journal of Applied Physics</i> , 2013 , 114, 123514	2.5	36
202	Elastic constants of Pd ₃₉ Ni ₁₀ Cu ₃₀ Pt ₂₁ bulk metallic glass under high pressure. <i>Applied Physics Letters</i> , 2000 , 77, 3734-3736	3.4	36
201	Large topological Hall effect in a geometrically frustrated kagome magnet Fe ₃ Sn ₂ . <i>Applied Physics Letters</i> , 2019 , 114, 192408	3.4	35
200	NMR Evidence for the Topologically Nontrivial Nature in a Family of Half-Heusler Compounds. <i>Scientific Reports</i> , 2016 , 6, 23172	4.9	35

- 199 Polymorphic magnetization and local ferromagnetic structure in Co-doped Mn₂NiGa alloys. *Physical Review B*, **2011**, 84, 3-3 35
- 198 CaLi-based bulk metallic glasses with multiple superior properties. *Applied Physics Letters*, **2008**, 93, 171907 35
- 197 Polyamorphic transitions in Ce-based metallic glasses by synchrotron radiation. *Physical Review B*, **2011**, 84, 3-3 33
- 196 High stored energy of metallic glasses induced by high pressure. *Applied Physics Letters*, **2017**, 110, 111901 32
- 195 Crossover from stochastic activation to cooperative motions of shear transformation zones in metallic glasses. *Applied Physics Letters*, **2013**, 103, 081904 3-4 32
- 194 Fast Surface Dynamics of Metallic Glass Enable Superlattice-like Nanostructure Growth. *Physical Review Letters*, **2017**, 118, 016101 7-4 30
- 193 Influence of tetragonal distortion on the topological electronic structure of the half-Heusler compound LaPtBi from first principles. *Applied Physics Letters*, **2011**, 99, 071901 3-4 30
- 192 Correlations between elastic moduli and molar volume in metallic glasses. *Applied Physics Letters*, **2009**, 94, 121904 3-4 30
- 191 Ultrafast extreme rejuvenation of metallic glasses by shock compression. *Science Advances*, **2019**, 5, eaaw6349 29
- 190 Unveiling atomic-scale features of inherent heterogeneity in metallic glass by molecular dynamics simulations. *Physical Review B*, **2016**, 93, 3-3 29
- 189 Magnetic-field-induced martensitic transformation in MnNiAl:Co alloys. *Applied Physics Letters*, **2012**, 100, 152401 3-4 29
- 188 Liquid-like behaviours of metallic glassy nanoparticles at room temperature. *Nature Communications*, **2019**, 10, 1966 17-4 28
- 187 Microscopic dynamics perspective on the relationship between Poisson's ratio and ductility of metallic glasses. *Journal of Chemical Physics*, **2014**, 140, 044511 3-9 28
- 186 Martensitic and magnetic transformation in Mn₅₀Ni_{50-x}Sn_x ferromagnetic shape memory alloys. *Journal of Applied Physics*, **2012**, 112, 083902 2-5 28
- 185 Soft ytterbium-based bulk metallic glasses with strong liquid characteristic by design. *Applied Physics Letters*, **2009**, 94, 041910 3-4 28
- 184 Effect of pressure on nucleation and growth in the Zr_{46.75}Ti_{8.25}Cu_{7.5}Ni₁₀Be_{27.5} bulk glass-forming alloy investigated using in situ x-ray diffraction. *Physical Review B*, **2003**, 68, 3-3 28
- 183 Manipulating the Topology of Nanoscale Skyrmion Bubbles by Spatially Geometric Confinement. *ACS Nano*, **2019**, 13, 922-929 16-7 28
- 182 Metallic glass mold insert for hot embossing of polymers. *Journal of Applied Physics*, **2012**, 112, 024506 2-5 27

181	Magnetic entropy change in LaFe ₁₃ Six intermetallic compounds. <i>Journal of Applied Physics</i> , 2002 , 91, 8537	2.5	27
180	Localized spin-orbit polaron in magnetic Weyl semimetal CoSnS. <i>Nature Communications</i> , 2020 , 11, 5613	17.4	26
179	Bulk Scandium-based Metallic Glasses. <i>Journal of Materials Research</i> , 2005 , 20, 2243-2247	2.5	26
178	A fast dynamic mode in rare earth based glasses. <i>Journal of Chemical Physics</i> , 2016 , 144, 204507	3.9	26
177	Shear-band affected zone revealed by magnetic domains in a ferromagnetic metallic glass. <i>Nature Communications</i> , 2018 , 9, 4414	17.4	26
176	Transition from semiconducting to metallic-like conducting and weak antilocalization effect in single crystals of LuPtSb. <i>Applied Physics Letters</i> , 2015 , 106, 102102	3.4	25
175	Ferromagnetic structures in Mn ₂ CoGa and Mn ₂ CoAl doped by Co, Cu, V, and Ti. <i>Journal of Applied Physics</i> , 2013 , 113, 123901	2.5	25
174	Angular dependence of the topological Hall effect in the uniaxial van der Waals ferromagnet Fe ₃ GeTe ₂ . <i>Physical Review B</i> , 2019 , 100,	3.3	24
173	Generation of high-density skyrmions by electric current. <i>Npj Quantum Materials</i> , 2017 , 2,	5	24
172	Understanding exceptional thermodynamic and kinetic stability of amorphous sulfur obtained by rapid compression. <i>Applied Physics Letters</i> , 2009 , 94, 011910	3.4	24
171	Formation and properties of Zr ₄₈ Nb ₈ Fe ₈ Cu ₁₂ Be ₂₄ bulk metallic glass. <i>Journal of Materials Research</i> , 2001 , 16, 1675-1679	2.5	24
170	Structural origin of fractional Stokes-Einstein relation in glass-forming liquids. <i>Scientific Reports</i> , 2017 , 7, 39938	4.9	23
169	Large and Anisotropic Linear Magnetoresistance in Single Crystals of Black Phosphorus Arising From Mobility Fluctuations. <i>Scientific Reports</i> , 2016 , 6, 23807	4.9	23
168	Characterization of mechanical heterogeneity in amorphous solids. <i>Journal of Applied Physics</i> , 2012 , 112, 023516	2.5	23
167	Formation and properties of Pr-based bulk metallic glasses. <i>Journal of Materials Research</i> , 2006 , 21, 369-374	3.4	23
166	Current-Induced Helicity Reversal of a Single Skyrmionic Bubble Chain in a Nanostructured Frustrated Magnet. <i>Advanced Materials</i> , 2020 , 32, e1904815	24	23
165	Critical scaling of icosahedral medium-range order in CuZr metallic glass-forming liquids. <i>Scientific Reports</i> , 2016 , 6, 35967	4.9	22
164	Thulium-based bulk metallic glass. <i>Applied Physics Letters</i> , 2008 , 92, 141906	3.4	22

163	Large anisotropic thermal transport properties observed in bulk single crystal black phosphorus. <i>Applied Physics Letters</i> , 2016 , 108, 092102	3.4	22
162	Helium Nanobubbles Enhance Superelasticity and Retard Shear Localization in Small-Volume Shape Memory Alloy. <i>Nano Letters</i> , 2017 , 17, 3725-3730	11.5	21
161	Significant disorder-induced enhancement of the magnetization of Fe ₂ CrGa by ball milling. <i>Journal of Applied Physics</i> , 2013 , 114, 013903	2.5	21
160	Revealing Relaxation mechanism based on energy distribution of flow units in metallic glass. <i>Journal of Chemical Physics</i> , 2016 , 144, 144501	3.9	21
159	An efficient scheme to tailor the magnetostructural transitions by staged quenching and cyclical ageing in hexagonal martensitic alloys. <i>Acta Materialia</i> , 2019 , 174, 289-299	8.4	20
158	L ₂ and XA Ordering Competition in Hafnium-Based Full-Heusler Alloys Hf ₂ Z (Z = Al, Ga, In, Tl, Si, Ge, Sn, Pb). <i>Materials</i> , 2017 , 10,	3.5	20
157	Deformation behaviors and mechanism of Ni ₄₀ Nb ₆₀ bulk metallic glasses with high strength and plasticity. <i>Journal of Materials Research</i> , 2007 , 22, 869-875	2.5	20
156	Tuning antiferromagnetic exchange interaction for spontaneous exchange bias in MnNiSnSi system. <i>APL Materials</i> , 2017 , 5, 126105	5.7	20
155	Nonvolatile Multilevel Memory and Boolean Logic Gates Based on a Single Ni/[Pb(Mg _{1/3} Nb _{2/3})O ₃] _{0.7} [PbTiO ₃] _{0.3} /Ni Heterostructure. <i>Physical Review Applied</i> , 2016 , 6,	4.3	20
154	The oxidation behavior of Cu ₂ Cr ₂ Fe ₂ base bulk metallic glasses in air at 350–500 °C. <i>Oxidation of Metals</i> , 2007 , 67, 179-192	1.6	19
153	Shear modulus as a dominant parameter in glass transitions: Ultrasonic measurement of the temperature dependence of elastic properties of glasses. <i>Physical Review B</i> , 2007 , 76,	3.3	19
152	Reversible phase transition between amorphous and crystalline in Zr _{41.2} Ti _{13.8} Cu _{12.5} Ni ₁₀ Be _{22.5} under high pressure at room temperature. <i>Applied Physics Letters</i> , 2000 , 76, 2874-2876	3.4	19
151	Current-Driven Dynamics of Frustrated Skyrmions in a Synthetic Antiferromagnetic Bilayer. <i>Physical Review Applied</i> , 2019 , 11,	4.3	18
150	Structural Signature of Plasticity Unveiled by Nano-Scale Viscoelastic Contact in a Metallic Glass. <i>Scientific Reports</i> , 2016 , 6, 29357	4.9	18
149	Phase stability, magnetism and generalized electron-filling rule of vanadium-based inverse Heusler compounds. <i>Europhysics Letters</i> , 2013 , 104, 27012	1.6	18
148	Ductile to brittle transition in dynamic fracture of brittle bulk metallic glass. <i>Journal of Applied Physics</i> , 2008 , 103, 093520	2.5	18
147	Multiscale Relaxation Dynamics in Ultrathin Metallic Glass-Forming Films. <i>Physical Review Letters</i> , 2018 , 120, 155501	7.4	17
146	Understanding Atomic-Scale Features of Low Temperature-Relaxation Dynamics in Metallic Glasses. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 4945-4950	6.4	17

145	Large topological hall effect observed in tetragonal Mn ₂ PtSn Heusler thin film. <i>Applied Physics Letters</i> , 2018 , 113, 062406	3.4	17
144	Responses of glassy structure and properties to pressure and devitrification. <i>Applied Physics Letters</i> , 2003 , 83, 2814-2816	3.4	17
143	The Critical Criterion on Runaway Shear Banding in Metallic Glasses. <i>Scientific Reports</i> , 2016 , 6, 21388	4.9	17
142	Revealing localized plastic flow in apparent elastic region before yielding in metallic glasses. <i>Journal of Applied Physics</i> , 2015 , 118, 244901	2.5	16
141	Temperature dependence of x-ray absorption spectra in the ferromagnetic Heusler alloys Mn ₂ VAl and Co ₂ FeAl. <i>Physical Review B</i> , 2010 , 82,	3.3	16
140	Flexible amorphous metal films with high stability. <i>Applied Physics Letters</i> , 2017 , 110, 031901	3.4	15
139	Electronic behaviors during martensitic transformations in all-d-metal Heusler alloys. <i>Journal of Physics Condensed Matter</i> , 2019 , 31, 425401	1.8	15
138	Metallic Glacial Glass Formation by a First-Order Liquid-Liquid Transition. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 6718-6723	6.4	15
137	Enhanced Stability of Black Phosphorus Field-Effect Transistors via Hydrogen Treatment. <i>Advanced Electronic Materials</i> , 2018 , 4, 1700455	6.4	15
136	On the anisotropies of magnetization and electronic transport of magnetic Weyl semimetal Co ₃ Sn ₂ S ₂ . <i>Applied Physics Letters</i> , 2019 , 115, 212403	3.4	15
135	Large topological Hall effect in nonchiral hexagonal MnNiGa films. <i>Applied Physics Letters</i> , 2017 , 110, 092404	3.4	14
134	Magnetic hard nanobubble: A possible magnetization structure behind the bi-skyrmion. <i>Applied Physics Letters</i> , 2019 , 114, 102404	3.4	14
133	NMR investigation of atomic and electronic structures of half-Heusler topologically nontrivial semimetals. <i>Physica Status Solidi (B): Basic Research</i> , 2015 , 252, 357-360	1.3	14
132	Magnetic semiconductors based on quaternary Heusler compounds. <i>Computational Materials Science</i> , 2018 , 150, 321-324	3.2	14
131	Large magnetization change and magnetoresistance associated with martensitic transformation in Mn ₂ Ni _{1.36} Sn _{0.32} Co _{0.32} alloy. <i>Journal of Applied Physics</i> , 2011 , 110, 013916	2.5	14
130	Windows open for highly tunable magnetostructural phase transitions. <i>APL Materials</i> , 2016 , 4, 071101	5.7	14
129	Oriented 3D Magnetic Biskyrmions in MnNiGa Bulk Crystals. <i>Advanced Materials</i> , 2019 , 31, e1900264	24	13
128	Large anisotropic topological Hall effect in a hexagonal non-collinear magnet Fe ₅ Sn ₃ . <i>Applied Physics Letters</i> , 2020 , 116, 182405	3.4	13

127	Revealing the Link between Structural Relaxation and Dynamic Heterogeneity in Glass-Forming Liquids. <i>Physical Review Letters</i> , 2018 , 120, 125502	7.4	13
126	Structural evolution of nanoscale metallic glasses during high-pressure torsion: A molecular dynamics analysis. <i>Scientific Reports</i> , 2016 , 6, 36627	4.9	13
125	Role of covalent hybridization in the martensitic structure and magnetic properties of shape-memory alloys: The case of Ni ₅₀ Mn _{5+x} Ga _{35-x} Cu ₁₀ . <i>Applied Physics Letters</i> , 2013 , 102, 062407	3.4	13
124	Evolution of structural and dynamic heterogeneities during elastic to plastic transition in metallic glass. <i>Journal of Applied Physics</i> , 2015 , 118, 154904	2.5	13
123	Tuning exchange bias by thermal fluctuation in Fe ₅₂ Mn ₂₃ Ga ₂₅ melt-spun ribbons. <i>Applied Physics Letters</i> , 2011 , 99, 222506	3.4	13
122	Interdiffusion study of amorphous Ni ₈ Si multilayer at low temperature. <i>Journal of Applied Physics</i> , 1993 , 74, 2471-2474	2.5	13
121	Tunable magnetic and transport properties of Mn ₃ Ga thin films on Ta/Ru seed layer. <i>Journal of Applied Physics</i> , 2018 , 123, 103902	2.5	12
120	Shear-banding Induced Indentation Size Effect in Metallic Glasses. <i>Scientific Reports</i> , 2016 , 6, 28523	4.9	12
119	Fabrication and characterization of the gapless half-Heusler YPtSb thin films. <i>Journal of Applied Physics</i> , 2012 , 112, 103910	2.5	12
118	Kinetic nature of hard magnetic Nd ₅₀ Al ₁₅ Fe ₁₅ Co ₂₀ bulk metallic glass with distinct glass transition. <i>Journal of Materials Research</i> , 2004 , 19, 1307-1310	2.5	12
117	Initial phase formation in Nb/Si multilayers deposited at different temperatures. <i>Journal of Applied Physics</i> , 1996 , 80, 1422-1427	2.5	12
116	Many-Body Resonance in a Correlated Topological Kagome Antiferromagnet. <i>Physical Review Letters</i> , 2020 , 125, 046401	7.4	12
115	In-situ atomic force microscopy observation revealing gel-like plasticity on a metallic glass surface. <i>Journal of Applied Physics</i> , 2017 , 121, 095304	2.5	11
114	Reversible and irreversible Relaxations in metallic glasses. <i>Physical Review B</i> , 2020 , 101,	3.3	11
113	33% Giant Anomalous Hall Current Driven by Both Intrinsic and Extrinsic Contributions in Magnetic Weyl Semimetal Co ₃ Sn ₂ S ₂ . <i>Advanced Functional Materials</i> , 2020 , 30, 2000830	15.6	11
112	Intrinsic and extrinsic electrical and thermal transport of bulk black phosphorus. <i>Physical Review B</i> , 2018 , 97,	3.3	11
111	High-pressure suppression of crystallization in the metallic supercooled liquid Zr ₄₁ Ti ₁₄ Cu _{12.5} Ni ₁₀ Be _{22.5} : Influence of viscosity. <i>Physical Review B</i> , 2004 , 70,	3.3	11
110	Enhanced kinetic stability of a bulk metallic glass by high pressure. <i>Applied Physics Letters</i> , 2016 , 109, 221904	3.4	11

109	Size effect on dynamics and glass transition in metallic liquids and glasses. <i>Journal of Chemical Physics</i> , 2017 , 146, 224502	3.9	10
108	Direct imaging of an inhomogeneous electric current distribution using the trajectory of magnetic half-skyrmions. <i>Science Advances</i> , 2020 , 6, eaay1876	14.3	10
107	Evolution of atomic rearrangements in deformation in metallic glasses. <i>Physical Review E</i> , 2014 , 90, 042303	3.4	10
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