

Wen-Hong Wang

List of Publications by Year in Descending Order

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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.

270
papers

11,301
citations

51
h-index

98
g-index

282
ext. papers

13,230
ext. citations

5.4
avg. IF

6.45
L-index

#	Paper	IF	Citations
270	Angular-dependent magnetoresistance in Cr _{1/3} NbS ₂ single crystals. <i>Applied Physics Letters</i> , 2022 , 120, 112408	3.4	0
269	Elastic criterion for shear-banding instability in amorphous solids.. <i>Physical Review E</i> , 2022 , 105, 045003	2.4	0
268	Tuning the structural, magnetic, and transport properties of Mn ₃ Ga alloys. <i>Journal of Applied Physics</i> , 2022 , 131, 173903	2.5	0
267	Artificial synaptic device and neural network based on the FeGa/PMN-PT/FeGa memtransistor. <i>Applied Physics Letters</i> , 2021 , 119, 192902	3.4	1
266	Coherent spin rotation-induced zero thermal expansion in MnCoSi-based spiral magnets. <i>NPG Asia Materials</i> , 2021 , 13,	10.3	2
265	Observation of structural distortion and topological Hall effect in noncollinear antiferromagnetic hexagonal Mn ₃ Ga magnets. <i>Applied Physics Letters</i> , 2021 , 119, 152405	3.4	1
264	Magnetic-field-induced transformation and strain in polycrystalline FeMnGa ferromagnetic shape memory alloys with high cold-workability. <i>Applied Physics Letters</i> , 2021 , 119, 142402	3.4	0
263	Effect of high-temperature up-quenching on stabilizing off-eutectic metallic glasses. <i>Physical Review B</i> , 2021 , 103,	3.3	2
262	Ferromagnetism in two-dimensional Fe ₃ GeTe ₂ ; Tunability by hydrostatic pressure. <i>Physical Review B</i> , 2021 , 103,	3.3	7
261	Unusually thick shear-softening surface of micrometer-size metallic glasses. <i>Innovation(China)</i> , 2021 , 2, 100106	17.8	3
260	Design of MnMn distance for tunable spontaneous exchange bias in Heusler alloys. <i>Intermetallics</i> , 2021 , 132, 107170	3.5	2
259	Planar topological Hall effect in a hexagonal ferromagnetic Fe ₅ Sn ₃ single crystal. <i>Applied Physics Letters</i> , 2021 , 118, 182407	3.4	
258	Spin excitations and spin wave gap in the ferromagnetic Weyl semimetal Co ₃ Sn ₂ S ₂ . <i>Science China: Physics, Mechanics and Astronomy</i> , 2021 , 64, 1	3.6	10
257	Observation of A-site antiferromagnetic and B-site ferrimagnetic orderings in the quadruple perovskite oxide CaCu ₃ Co ₂ Re ₂ O ₁₂ . <i>Physical Review B</i> , 2021 , 103,	3.3	3
256	Modulation of Weyl semimetal state in half-Heusler GdPtBi enabled by hydrostatic pressure. <i>New Journal of Physics</i> , 2021 , 23, 083041	2.9	
255	Probe of skyrmion phases and dynamics in MnSi via the magnetoelectric effect in a composite configuration. <i>Physical Review B</i> , 2021 , 104,	3.3	2
254	Observation of large exchange bias above room temperature in antiferromagnetic hexagonal Mn ₃ Ga. <i>Journal of Magnetism and Magnetic Materials</i> , 2021 , 536, 168109	2.8	2

253	Large anomalous Hall angle in a topological semimetal candidate TbPtBi. <i>Applied Physics Letters</i> , 2021 , 118, 031901	3.4	3
252	Localized spin-orbit polaron in magnetic Weyl semimetal CoSnS. <i>Nature Communications</i> , 2020 , 11, 5613	17.4	26
251	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
250	Topological electronic state and anisotropic Fermi surface in half-Heusler GdPtBi. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 355707	1.8	2
249	Chiral-anomaly induced large negative magnetoresistance and nontrivial Berry phase in half-Heusler compounds RPtBi (R=Tb, Ho, and Er). <i>Applied Physics Letters</i> , 2020 , 116, 222403	3.4	3
248	Ferromagnetic martensitic transformation and large magnetocaloric effect in Ni ₃₅ Co ₁₅ Fe _x Mn ₃₅ Ti ₁₅ (x = 2, 4, 6, 8) alloys. <i>Journal of Applied Physics</i> , 2020 , 127, 233907	2.5	7
247	Reversible and irreversible relaxations in metallic glasses. <i>Physical Review B</i> , 2020 , 101,	3.3	11
246	Thermally induced generation and annihilation of magnetic chiral skyrmion bubbles and achiral bubbles in MnNiGa magnets. <i>Applied Physics Letters</i> , 2020 , 116, 132402	3.4	3
245	Single-spin scanning magnetic microscopy with radial basis function reconstruction algorithm. <i>Applied Physics Letters</i> , 2020 , 116, 184001	3.4	2
244	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
243	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
242	Current-driven skyrmionium in a frustrated magnetic system. <i>Applied Physics Letters</i> , 2020 , 117, 012403	3.4	9
241	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
240	Energy storage oscillation of metallic glass induced by high-intensity elastic stimulation. <i>Applied Physics Letters</i> , 2020 , 116, 081901	3.4	7
239	Large anomalous Hall effect in a hexagonal ferromagnetic Fe ₅ Sn ₃ single crystal. <i>Physical Review B</i> , 2020 , 101,	3.3	7
238	Universal relationship of boson peak with Debye level and Debye-Waller factor in disordered materials. <i>Physical Review Materials</i> , 2020 , 4,	3.2	2
237	Thermodynamics and Kinetics Synergy for Controlled Synthesis of 2D van der Waals Single-Crystal NbSe ₂ via Modified Chemical Vapor Transport. <i>Crystal Growth and Design</i> , 2020 , 20, 706-712	3.5	3
236	Observation of Magnetic Skyrmion Bubbles in a van der Waals Ferromagnet FeGeTe. <i>Nano Letters</i> , 2020 , 20, 868-873	11.5	83

235	Current-Induced Helicity Reversal of a Single Skyrmionic Bubble Chain in a Nanostructured Frustrated Magnet. <i>Advanced Materials</i> , 2020 , 32, e1904815	24	23
234	Invariance of the relation between τ relaxation and τ relaxation in metallic glasses to variations of pressure and temperature. <i>Physical Review B</i> , 2020 , 102,	3-3	7
233	Many-Body Resonance in a Correlated Topological Kagome Antiferromagnet. <i>Physical Review Letters</i> , 2020 , 125, 046401	7-4	12
232	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
231	A facile strategy to produce monatomic tantalum metallic glass. <i>Applied Physics Letters</i> , 2020 , 117, 131903	9-3	1
230	Nonmonotonous atomic motions in metallic glasses. <i>Physical Review B</i> , 2020 , 102,	3-3	4
229	Local Disorder-Induced Elevation of Intrinsic Anomalous Hall Conductance in an Electron-Doped Magnetic Weyl Semimetal. <i>Physical Review Letters</i> , 2020 , 125, 086602	7-4	10
228	Tunable positive magnetoresistance and crossover from weak antilocalization to weak localization transition in half-Heusler compounds RPtBi (R = lanthanide). <i>Applied Physics Letters</i> , 2020 , 116, 101902	3-4	8
227	Ultrafast extreme rejuvenation of metallic glasses by shock compression. <i>Science Advances</i> , 2019 , 5, eaaw6349	16-3	29
226	Shear transformation zone analysis of anelastic relaxation of a metallic glass reveals distinct properties of τ and τ relaxations. <i>Physical Review E</i> , 2019 , 100, 033001	2-4	7
225	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
224	Electronic behaviors during martensitic transformations in all-d-metal Heusler alloys. <i>Journal of Physics Condensed Matter</i> , 2019 , 31, 425401	1-8	15
223	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
222	Eigenstates of soft-mode vibrational excitations in thin-film metallic glasses. <i>Physical Review B</i> , 2019 , 99,	3-3	2
221	Liquid-like behaviours of metallic glassy nanoparticles at room temperature. <i>Nature Communications</i> , 2019 , 10, 1966	17-4	28
220	Current-Driven Dynamics of Frustrated Skyrmions in a Synthetic Antiferromagnetic Bilayer. <i>Physical Review Applied</i> , 2019 , 11,	4-3	18
219	Phase Stability and Magnetic Properties of Mn ₃ Z (Z = Al, Ga, In, Tl, Ge, Sn, Pb) Heusler Alloys. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 964	2-6	6
218	Oriented 3D Magnetic Biskyrmions in MnNiGa Bulk Crystals. <i>Advanced Materials</i> , 2019 , 31, e1900264	24	13

217	Magnetic hard nanobubble: A possible magnetization structure behind the bi-skyrmion. <i>Applied Physics Letters</i> , 2019 , 114, 102404	3.4	14
216	Simultaneous tuning of magnetocrystalline anisotropy and spin reorientation transition via Cu substitution in Mn-Ni-Ga magnets for nanoscale biskyrmion formation. <i>Physical Review B</i> , 2019 , 100,	3.3	4
215	Atomic configuration, unusual lattice constant change, and tunable ferromagnetism in all-d-metal Heusler alloys Fe ₂ CrV-FeCr ₂ V. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 492, 165661	2.8	5
214	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
213	3-type LnNiO (Ln = La, Ce, Nd, Pm, Gd, Tb, Dy, Ho, Er, Lu) half-metals with multiple Dirac cones: a potential class of advanced spintronic materials. <i>IUCrJ</i> , 2019 , 6, 990-995	4.7	10
212	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
211	Weak antilocalization effect and high-pressure transport properties of ScPdBi single crystal. <i>Applied Physics Letters</i> , 2019 , 115, 172407	3.4	7
210	Manipulating Spin Chirality of Magnetic Skyrmion Bubbles by In-Plane Reversed Magnetic Fields in (Mn _{1-x} Ni _x) ₆₅ Ga ₃₅ (x = 0.45) Magnet. <i>Physical Review Applied</i> , 2019 , 12,	4.3	7
209	Manipulating the Topology of Nanoscale Skyrmion Bubbles by Spatially Geometric Confinement. <i>ACS Nano</i> , 2019 , 13, 922-929	16.7	28
208	Structural and magnetotransport properties of topological trivial LuNiBi single crystals. <i>Journal of Alloys and Compounds</i> , 2019 , 784, 822-826	5.7	5
207	Multiscale Relaxation Dynamics in Ultrathin Metallic Glass-Forming Films. <i>Physical Review Letters</i> , 2018 , 120, 155501	7.4	17
206	Ultrastable metallic glasses formed on cold substrates. <i>Nature Communications</i> , 2018 , 9, 1389	17.4	51
205	Intrinsic and extrinsic electrical and thermal transport of bulk black phosphorus. <i>Physical Review B</i> , 2018 , 97,	3.3	11
204	Electronic Structures, Magnetic Properties and Half-Metallicity of Heusler Compounds Hf ₂ VZ (Z = Ga, In, Tl, Si, Ge, Sn and Pb): First-Principle Calculations. <i>Journal of Superconductivity and Novel Magnetism</i> , 2018 , 31, 3063-3074	1.5	1
203	Multiple tuning of magnetic biskyrmions using in situ L-TEM in centrosymmetric MnNiGa alloy. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 065803	1.8	9
202	Weak antilocalization effect in exfoliated black phosphorus revealed by temperature- and angle-dependent magnetoconductivity. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 085703	1.8	3
201	Enhanced Stability of Black Phosphorus Field-Effect Transistors via Hydrogen Treatment. <i>Advanced Electronic Materials</i> , 2018 , 4, 1700455	6.4	15
200	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

199	Magnetic semiconductors based on quaternary Heusler compounds. <i>Computational Materials Science</i> , 2018 , 150, 321-324	3.2	14
198	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
197	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
196	Revealing the Link between Structural Relaxation and Dynamic Heterogeneity in Glass-Forming Liquids. <i>Physical Review Letters</i> , 2018 , 120, 125502	7.4	13
195	Giant anomalous Hall effect in a ferromagnetic Kagomelattice semimetal. <i>Nature Physics</i> , 2018 , 14, 1125-1131	16.3	440
194	Crystal-orientation dependence of magnetic domain structures in the skyrmion-hosting magnets MnNiGa. <i>APL Materials</i> , 2018 , 6, 076101	5.7	7
193	Large topological hall effect observed in tetragonal Mn ₂ PtSn Heusler thin film. <i>Applied Physics Letters</i> , 2018 , 113, 062406	3.4	17
192	Dynamic signature of orbital selective Mott transition in the metallic phase of VO ₂ . <i>New Journal of Physics</i> , 2018 , 20, 073026	2.9	3
191	Design of anti-site disorder for tunable spontaneous exchange bias: Mn-Ni-Al alloys as a case. <i>Applied Physics Letters</i> , 2018 , 113, 212402	3.4	10
190	Stress relief by annealing under external stress in Fe-based metallic glasses. <i>Journal of Applied Physics</i> , 2018 , 124, 165108	2.5	7
189	Shear-band affected zone revealed by magnetic domains in a ferromagnetic metallic glass. <i>Nature Communications</i> , 2018 , 9, 4414	17.4	26
188	Vacancy mediated ionic mobility in a phonon glass material CuAgSe. <i>Solid State Ionics</i> , 2018 , 326, 183-187	3.3	3
187	Giant and anisotropic many-body spin-orbit tunability in a strongly correlated kagome magnet. <i>Nature</i> , 2018 , 562, 91-95	50.4	132
186	Fast Surface Dynamics of Metallic Glass Enable Superlatticelike Nanostructure Growth. <i>Physical Review Letters</i> , 2017 , 118, 016101	7.4	30
185	Flexible amorphous metal films with high stability. <i>Applied Physics Letters</i> , 2017 , 110, 031901	3.4	15
184	Angle-dependent magnetoresistance and quantum oscillations in high-mobility semimetal LuPtBi. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 195501	1.8	7
183	Large topological Hall effect in nonchiral hexagonal MnNiGa films. <i>Applied Physics Letters</i> , 2017 , 110, 092404	3.4	14
182	Understanding the maximum dynamical heterogeneity during the unfreezing process in metallic glasses. <i>Journal of Applied Physics</i> , 2017 , 121, 175106	2.5	9

181	Structural origin of fractional Stokes-Einstein relation in glass-forming liquids. <i>Scientific Reports</i> , 2017 , 7, 39938	4.9	23
180	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
179	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
178	Size effect on dynamics and glass transition in metallic liquids and glasses. <i>Journal of Chemical Physics</i> , 2017 , 146, 224502	3.9	10
177	Unusual energy state evolution in Ce-based metallic glass under high pressure. <i>Journal of Applied Physics</i> , 2017 , 121, 205109	2.5	9
176	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
175	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
174	Observation of weak antilocalization effect in high-quality ScNiBi single crystal. <i>Journal of Applied Physics</i> , 2017 , 121, 105106	2.5	8
173	High stored energy of metallic glasses induced by high pressure. <i>Applied Physics Letters</i> , 2017 , 110, 111901	9.1	32
172	Real-Space Observation of Nonvolatile Zero-Field Biskyrmion Lattice Generation in MnNiGa Magnet. <i>Nano Letters</i> , 2017 , 17, 7075-7079	11.5	42
171	Structural and dynamical characteristics of flow units in metallic glasses. <i>Scientific Reports</i> , 2017 , 7, 115589	4.9	6
170	Flexible strain sensors with high performance based on metallic glass thin film. <i>Applied Physics Letters</i> , 2017 , 111, 121906	3.4	50
169	Half-metallicity of the bulk and (001) surface of NbFeCrAl and NbFeVGe Heusler compounds: a first-principles prediction. <i>RSC Advances</i> , 2017 , 7, 31707-31713	3.7	8
168	The electronic and magnetic properties and topological Hall effect in hexagonal MnNiGa alloy films by varying Mn contents. <i>Journal of Alloys and Compounds</i> , 2017 , 725, 1324-1329	5.7	9
167	Generation of high-density biskyrmions by electric current. <i>Npj Quantum Materials</i> , 2017 , 2,	5	24
166	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
165	Significantly enhanced memory effect in metallic glass by multistep training. <i>Physical Review B</i> , 2017 , 96,	3.3	4
164	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

163	Resonance ultrasonic actuation and local structural rejuvenation in metallic glasses. <i>Physical Review B</i> , 2017 , 95,	3.3	9
162	Relaxation Decoupling in Metallic Glasses at Low Temperatures. <i>Physical Review Letters</i> , 2017 , 118, 225901	3.4	63
161	Universal structural softening in metallic glasses indicated by boson heat capacity peak. <i>Applied Physics Letters</i> , 2017 , 111, 261901	3.4	10
160	L2 and XA Ordering Competition in Hafnium-Based Full-Heusler Alloys Hf _{1-x} Z (Z = Al, Ga, In, Tl, Si, Ge, Sn, Pb). <i>Materials</i> , 2017 , 10,	3.5	20
159	Tuning antiferromagnetic exchange interaction for spontaneous exchange bias in MnNiSnSi system. <i>APL Materials</i> , 2017 , 5, 126105	5.7	20
158	Ideal shear banding in metallic glass. <i>Philosophical Magazine</i> , 2016 , 96, 3159-3176	1.6	3
157	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
156	NMR Evidence for the Topologically Nontrivial Nature in a Family of Half-Heusler Compounds. <i>Scientific Reports</i> , 2016 , 6, 23172	4.9	35
155	Structural evolution of nanoscale metallic glasses during high-pressure torsion: A molecular dynamics analysis. <i>Scientific Reports</i> , 2016 , 6, 36627	4.9	13
154	Unveiling atomic-scale features of inherent heterogeneity in metallic glass by molecular dynamics simulations. <i>Physical Review B</i> , 2016 , 93,	3.3	29
153	Memory Effect Manifested by a Boson Peak in Metallic Glass. <i>Physical Review Letters</i> , 2016 , 116, 175901	7.4	39
152	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
151	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
150	Shear-banding Induced Indentation Size Effect in Metallic Glasses. <i>Scientific Reports</i> , 2016 , 6, 28523	4.9	12
149	Critical scaling of icosahedral medium-range order in CuZr metallic glass-forming liquids. <i>Scientific Reports</i> , 2016 , 6, 35967	4.9	22
148	Structural Signature of Plasticity Unveiled by Nano-Scale Viscoelastic Contact in a Metallic Glass. <i>Scientific Reports</i> , 2016 , 6, 29357	4.9	18
147	A method of measuring dynamic strain under electromagnetic forming conditions. <i>Review of Scientific Instruments</i> , 2016 , 87, 043902	1.7	2
146	Wide temperature window of magnetostructural transition achieved in Mn _{0.4} Fe _{0.6} Ni _{1-x} Ga _x by a two-step isostructural alloying process. <i>AIP Advances</i> , 2016 , 6, 056220	1.5	8

145	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
144	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
143	Atomic-Level Characterization of Dynamics of Copper Ions in CuAgSe. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 3229-3234	3.8	9
142	Microstructural heterogeneity perspective on the yield strength of metallic glasses. <i>Journal of Applied Physics</i> , 2016 , 119, 084906	2.5	9
141	Revealing flow behaviors of metallic glass based on activation of flow units. <i>Journal of Applied Physics</i> , 2016 , 119, 204905	2.5	10
140	Flexible All-Solid-State Supercapacitors based on Liquid-Exfoliated Black-Phosphorus Nanoflakes. <i>Advanced Materials</i> , 2016 , 28, 3194-201	24	249
139	Single-particle dynamics near the glass transition of a metallic glass. <i>Physical Review E</i> , 2016 , 94, 062611	2.4	9
138	A fast dynamic mode in rare earth based glasses. <i>Journal of Chemical Physics</i> , 2016 , 144, 204507	3.9	26
137	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
136	Unconventional magnetization of Fe ₃ O ₄ thin film grown on amorphous SiO ₂ substrate. <i>AIP Advances</i> , 2016 , 6, 065111	1.5	9
135	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
134	The correlation between fragility, density, and atomic interaction in glass-forming liquids. <i>Journal of Chemical Physics</i> , 2016 , 145, 034505	3.9	6
133	Enhanced kinetic stability of a bulk metallic glass by high pressure. <i>Applied Physics Letters</i> , 2016 , 109, 221904	3.4	11
132	Large anisotropic thermal transport properties observed in bulk single crystal black phosphorus. <i>Applied Physics Letters</i> , 2016 , 108, 092102	3.4	22
131	Windows open for highly tunable magnetostructural phase transitions. <i>APL Materials</i> , 2016 , 4, 071101	5.7	14
130	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
129	The Critical Criterion on Runaway Shear Banding in Metallic Glasses. <i>Scientific Reports</i> , 2016 , 6, 21388	4.9	17
128	Effects of atomic interaction stiffness on low-temperature relaxation of amorphous solids. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 26643-26650	3.6	7

127	Te-Doped Black Phosphorus Field-Effect Transistors. <i>Advanced Materials</i> , 2016 , 28, 9408-9415	24	195
126	Five-fold symmetry as indicator of dynamic arrest in metallic glass-forming liquids. <i>Nature Communications</i> , 2015 , 6, 8310	17.4	147
125	Enhancement of the thermoelectric properties of MnSb ₂ Se ₄ through Cu resonant doping. <i>RSC Advances</i> , 2015 , 5, 99065-99073	3.7	5
124	First-principles investigation of possible martensitic transformation and magnetic properties of Heusler-type Pt _{2-x} Mn _{1+x} In alloys. <i>Functional Materials Letters</i> , 2015 , 08, 1550064	1.2	3
123	Rejuvenation of metallic glasses by non-affine thermal strain. <i>Nature</i> , 2015 , 524, 200-3	50.4	408
122	Coupled Magnetic and Structural Transitions in Fe-Doped MnNiSi Compounds. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	1
121	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
120	Realization of multifunctional shape-memory ferromagnets in all-d-metal Heusler phases. <i>Applied Physics Letters</i> , 2015 , 107, 022406	3.4	90
119	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
118	High electron mobility and large magnetoresistance in the half-Heusler semimetal LuPtBi. <i>Physical Review B</i> , 2015 , 92,	3.3	42
117	Effect of dynamical heterogeneity on heat capacity at glass transition in typical silicate glasses. <i>Journal of Applied Physics</i> , 2015 , 118, 244905	2.5	1
116	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
115	Large low-field positive magnetoresistance in nonmagnetic half-Heusler ScPtBi single crystal. <i>Applied Physics Letters</i> , 2015 , 107, 202103	3.4	36
114	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
113	Communication: Non-monotonic evolution of dynamical heterogeneity in unfreezing process of metallic glasses. <i>Journal of Chemical Physics</i> , 2015 , 143, 041104	3.9	8
112	Magnetoelastic Multiferroics: Unprecedentedly Wide Curie-Temperature Windows as Phase-Transition Design Platform for Tunable Magneto-Multifunctional Materials (Adv. Electron. Mater. 7/2015). <i>Advanced Electronic Materials</i> , 2015 , 1,	6.4	1
111	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
110	Disorder-Induced Enhancement of Magnetic Properties in Ball-Milled Fe ₂ CrAl Alloy. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	3

109	Hidden topological order and its correlation with glass-forming ability in metallic glasses. <i>Nature Communications</i> , 2015 , 6, 6035	17.4	86
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