Wen-Hong Wang

List of Publications by Year
in descending order

275	15,002	58	114
papers	citations	h-index	g-index
		23567	21540

282	282	282	10425
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Observation of Shortâ€Period Helical Spin Order and Magnetic Transition in a Nonchiral Centrosymmetric Helimagnet. Advanced Functional Materials, 2022, 32, .	14.9	4
2	Observation of magnetic domain patterns with tilted uniaxial anisotropy using a single-spin magnetometer. Physical Review B, 2022, 105, .	3.2	1
3	Angular-dependent magnetoresistance in Cr_{1/3}NbS₂ single crystals. Applied Physics Letters, 2022, 120, 112408.	3.3	2
4	Elastic criterion for shear-banding instability in amorphous solids. Physical Review E, 2022, 105, 045003.	2.1	8
5	Tuning the structural, magnetic, and transport properties of Mn3Ga alloys. Journal of Applied Physics, 2022, 131, .	2.5	6
6	Spin excitations and spin wave gap in the ferromagnetic Weyl semimetal Co3Sn2S2. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	5.1	35
7	Observation of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>A</mml:mi></mml:mrow></mml:math>-site antiferromagnetic and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>B</mml:mi></mml:mrow></mml:math>-site ferrimagnetic orderings in the quadruple perovskite oxide <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ca</mml:mi><mml:msub><mml:mi>Cu</mml:mi><mml:	3.2	12
8	Effect of high-temperature up-quenching on stabilizing off-eutectic metallic glasses. Physical Review B, 2021, 103, .	3.2	6
9	Ferromagnetism in two-dimensional <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Fe</mml:mi><mml:mn>3</mml:mn></mm ; Tunability by hydrostatic pressure. Physical Review B, 2021, 103, .	3.2	18
10	Large anomalous Hall angle accompanying the sign change of anomalous Hall conductance in the topological half-Heusler compound HoPtBi. Physical Review B, 2021, 103, .	3.2	7
11	Unusually thick shear-softening surface of micrometer-size metallic glasses. Innovation(China), 2021, 2, 100106.	9.1	7
12	Design of Mnâ€"Mn distance for tunable spontaneous exchange bias in Heusler alloys. Intermetallics, 2021, 132, 107170.	3.9	7
13	Planar topological Hall effect in a hexagonal ferromagnetic Fe5Sn3 single crystal. Applied Physics Letters, 2021, 118, 182407.	3.3	3
14	Modulation of Weyl semimetal state in half-Heusler GdPtBi enabled by hydrostatic pressure. New Journal of Physics, 2021, 23, 083041.	2.9	1
15	Magnetic anisotropy and critical behavior of the quaternary van der Waals ferromagnetic material Cr0.96Ge0.17Si0.82Te3. Journal of Physics Condensed Matter, 2021, 33, 425803.	1.8	0
16	Probe of skyrmion phases and dynamics in MnSi via the magnetoelectric effect in a composite configuration. Physical Review B, 2021, 104, .	3.2	6
17	Observation of large exchange bias above room temperature in antiferromagnetic hexagonal Mn3Ga. Journal of Magnetism and Magnetic Materials, 2021, 536, 168109.	2.3	7
18	Large anomalous Hall angle in a topological semimetal candidate TbPtBi. Applied Physics Letters, 2021, 118, .	3.3	15

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19	Observation of structural distortion and topological Hall effect in noncollinear antiferromagnetic hexagonal Mn3Ga magnets. Applied Physics Letters, 2021, 119, .	3.3	7
20	Magnetic-field-induced transformation and strain in polycrystalline FeMnGa ferromagnetic shape memory alloys with high cold-workability. Applied Physics Letters, 2021, 119, .	3.3	4
21	Artificial synaptic device and neural network based on the FeGa/PMN-PT/FeGa memtranstor. Applied Physics Letters, 2021, 119, 192902.	3.3	5
22	Coherent spin rotation-induced zero thermal expansion in MnCoSi-based spiral magnets. NPG Asia Materials, 2021, 13, .	7.9	9
23	Thermodynamics and Kinetics Synergy for Controlled Synthesis of 2D van der Waals Single-Crystal NbSe₂ via Modified Chemical Vapor Transport. Crystal Growth and Design, 2020, 20, 706-712.	3.0	5
24	Observation of Magnetic Skyrmion Bubbles in a van der Waals Ferromagnet Fe₃GeTe₂. Nano Letters, 2020, 20, 868-873.	9.1	198
25	Currentâ€Induced Helicity Reversal of a Single Skyrmionic Bubble Chain in a Nanostructured Frustrated Magnet. Advanced Materials, 2020, 32, e1904815.	21.0	47
26	Invariance of the relation between <i>Î±</i> relaxation and <i>Î²</i> relaxation in metallic glasses to variations of pressure and temperature. Physical Review B, 2020, 102, .	3.2	11
27	Many-Body Resonance in a Correlated Topological Kagome Antiferromagnet. Physical Review Letters, 2020, 125, 046401.	7.8	24
28	Electric-field-driven non-volatile multi-state switching of individual skyrmions in a multiferroic heterostructure. Nature Communications, 2020, 11, 3577.	12.8	117
29	A facile strategy to produce monatomic tantalum metallic glass. Applied Physics Letters, 2020, 117, .	3.3	3
30	Nonmonotonous atomic motions in metallic glasses. Physical Review B, 2020, 102, .	3.2	10
31	Local Disorder-Induced Elevation of Intrinsic Anomalous Hall Conductance in an Electron-Doped Magnetic Weyl Semimetal. Physical Review Letters, 2020, 125, 086602.	7.8	45
32	Localized spin-orbit polaron in magnetic Weyl semimetal Co3Sn2S2. Nature Communications, 2020, 11, 5613.	12.8	53
33	Large anisotropic topological Hall effect in a hexagonal non-collinear magnet Fe5Sn3. Applied Physics Letters, 2020, 116, .	3.3	23
34	Topological electronic state and anisotropic Fermi surface in half-Heusler GdPtBi. Journal of Physics Condensed Matter, 2020, 32, 355707.	1.8	5
35	Chiral-anomaly induced large negative magnetoresistance and nontrivial Ï€-Berry phase in half-Heusler compounds RPtBi (R=Tb, Ho, and Er). Applied Physics Letters, 2020, 116, .	3.3	12
36	Ferromagnetic martensitic transformation and large magnetocaloric effect in Ni35Co15âˆ’<i>x</i>Fe<i>x</i>Mn35Ti15 (<i>xâ€‰</i>=â€‰2, 4, 6, 8) alloys. Journal of Applied Physics, 2020, 127, .	2.5	17

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37	Reversible and irreversible <i>Î²</i> -relaxations in metallic glasses. Physical Review B, 2020, 101, .	3.2	19
38	Thermally induced generation and annihilation of magnetic chiral skyrmion bubbles and achiral bubbles in Mnâ€“Niâ€“Ga magnets. Applied Physics Letters, 2020, 116, .	3.3	8
39	Single-spin scanning magnetic microscopy with radial basis function reconstruction algorithm. Applied Physics Letters, 2020, 116, .	3.3	5
40	Metallic Glacial Glass Formation by a First-Order Liquidâ€“Liquid Transition. Journal of Physical Chemistry Letters, 2020, 11, 6718-6723.	4.6	30
41	33% Giant Anomalous Hall Current Driven by Both Intrinsic and Extrinsic Contributions in Magnetic Weyl Semimetal Co₃Sn₂S₂. Advanced Functional Materials, 2020, 30, 2000830.	14.9	44
42	Current-driven skyrmionium in a frustrated magnetic system. Applied Physics Letters, 2020, 117, .	3.3	22
43	Direct imaging of an inhomogeneous electric current distribution using the trajectory of magnetic half-skyrmions. Science Advances, 2020, 6, eaay1876.	10.3	20
44	Energy storage oscillation of metallic glass induced by high-intensity elastic stimulation. Applied Physics Letters, 2020, 116, .	3.3	13
45	Large anomalous Hall effect in a hexagonal ferromagnetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">F</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>5</mml:mn></mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:msub><mml:mi mathvariant="normal">n</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> single	3.2	18
46	Tunable positive magnetoresistance and crossover from weak antilocalization to weak localization transition in half-Heusler compounds RPtBi (Râ€‰=â€‰lanthanide). Applied Physics Letters, 2020, 116, 101902.	3.3	16
47	10.1063/5.0012706.3. , 2020, , .		0
48	Electric field gradients in 2Hâ€“NbSe₂: ⁹³Nb NMR measurements and first-principles calculations. Journal of Physics Condensed Matter, 2020, 33, 045404.	1.8	1
49	Universal relationship of boson peak with Debye level and Debye-Waller factor in disordered materials. Physical Review Materials, 2020, 4, .	2.4	5
50	Simultaneous tuning of magnetocrystalline anisotropy and spin reorientation transition via Cu substitution in Mn-Ni-Ga magnets for nanoscale biskyrmion formation. Physical Review B, 2019, 100, .	3.2	12
51	Atomic configuration, unusual lattice constant change, and tunable ferromagnetism in all-d-metal Heusler alloys Fe2CrV-FeCr2V. Journal of Magnetism and Magnetic Materials, 2019, 492, 165661.	2.3	16
52	Angular dependence of the topological Hall effect in the uniaxial van der Waals ferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Fe</mml:mi><mml:mn>3</mml:mn></mml:m Physical Review B, 2019, 100, .	3.2	52
53	Ultrafast extreme rejuvenation of metallic glasses by shock compression. Science Advances, 2019, 5, eaaw6249.	10.3	66
54	Shear transformation zone analysis of anelastic relaxation of a metallic glass reveals distinct properties of Î± and Î² relaxations. Physical Review E, 2019, 100, 033001.	2.1	15

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55	An efficient scheme to tailor the magnetostructural transitions by staged quenching and cyclical ageing in hexagonal martensitic alloys. Acta Materialia, 2019, 174, 289-299.	7.9	33
56	Electronic behaviors during martensitic transformations in all-<i>d</i>-metal Heusler alloys. Journal of Physics Condensed Matter, 2019, 31, 425401.	1.8	29
57	Large topological Hall effect in a geometrically frustrated kagome magnet Fe3Sn2. Applied Physics Letters, 2019, 114, .	3.3	68
58	Eigenstates of soft-mode vibrational excitations in thin-film metallic glasses. Physical Review B, 2019, 99, .	3.2	2
59	Liquid-like behaviours of metallic glassy nanoparticles at room temperature. Nature Communications, 2019, 10, 1966.	12.8	48
60	Current-Driven Dynamics of Frustrated Skyrmions in a Synthetic Antiferromagnetic Bilayer. Physical Review Applied, 2019, 11, .	3.8	31
61	Phase Stability and Magnetic Properties of Mn3Z (Z = Al, Ga, In, Tl, Ge, Sn, Pb) Heusler Alloys. Applied Sciences (Switzerland), 2019, 9, 964.	2.5	11
62	Oriented 3D Magnetic Biskyrmions in MnNiGa Bulk Crystals. Advanced Materials, 2019, 31, e1900264.	21.0	23
63	Magnetic hard nanobubble: A possible magnetization structure behind the bi-skyrmion. Applied Physics Letters, 2019, 114, .	3.3	22
64	On the anisotropies of magnetization and electronic transport of magnetic Weyl semimetal Co3Sn2S2. Applied Physics Letters, 2019, 115, 212403.	3.3	31
65	Weak antilocalization effect and high-pressure transport properties of ScPdBi single crystal. Applied Physics Letters, 2019, 115, .	3.3	17
66	Manipulating Spin Chirality of Magnetic Skyrmion Bubbles by In-Plane Reversed Magnetic Fields in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mo stretchy="false">(</mml:mo><mml:msub><mml:mi>Mn</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>a</mml:mo><mml:m Physical Review Applied, 2019, 12, .	3.8	13
67	Manipulating the Topology of Nanoscale Skyrmion Bubbles by Spatially Geometric Confinement. ACS Nano, 2019, 13, 922-929.	14.6	43
68	Structural and magnetotransport properties of topological trivial LuNiBi single crystals. Journal of Alloys and Compounds, 2019, 784, 822-826.	5.5	7
69	<i>R</i><ovl>3</ovl><i>c</i>-type LnNiO₃(Ln = La, Ce, Nd, Pm, Gd, Tb, Dy, Ho, Er, Lu) half-metals with multiple Dirac cones: a potential class of advanced spintronic materials. IUCrJ, 2019, 6, 990-995.	2.2	13
70	Multiscale Relaxation Dynamics in Ultrathin Metallic Glass-Forming Films. Physical Review Letters, 2018, 120, 155501.	7.8	25
71	Ultrastable metallic glasses formed on cold substrates. Nature Communications, 2018, 9, 1389.	12.8	83
72	Intrinsic and extrinsic electrical and thermal transport of bulk black phosphorus. Physical Review B, 2018, 97, .	3.2	15

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73	Electronic Structures, Magnetic Properties and Half-Metallicity of Heusler Compounds Hf2VZ (Z = Ga,) Tj ETQq1 1 0.784314 rgBT /Overl Magnetism, 2018, 31, 3063-3074.	1.8	3
74	Multiple tuning of magnetic biskyrmions using <i>in situ</i> L-TEM in centrosymmetric MnNiGa alloy. Journal of Physics Condensed Matter, 2018, 30, 065803.	1.8	11
75	Weak antilocalization effect in exfoliated black phosphorus revealed by temperature- and angle-dependent magnetoconductivity. Journal of Physics Condensed Matter, 2018, 30, 085703.	1.8	5
76	Enhanced Stability of Black Phosphorus Fieldâ€Effect Transistors via Hydrogen Treatment. Advanced Electronic Materials, 2018, 4, 1700455.	5.1	19
77	Creation of Single Chain of Nanoscale Skyrmion Bubbles with Record-High Temperature Stability in a Geometrically Confined Nanostripe. Nano Letters, 2018, 18, 1274-1279.	9.1	62
78	Magnetic semiconductors based on quaternary Heusler compounds. Computational Materials Science, 2018, 150, 321-324.	3.0	20
79	Direct writing of room temperature and zero field skyrmion lattices by a scanning local magnetic field. Applied Physics Letters, 2018, 112, .	3.3	68
80	Tunable magnetic and transport properties of Mn3Ga thin films on Ta/Ru seed layer. Journal of Applied Physics, 2018, 123, .	2.5	19
81	Revealing the Link between Structural Relaxation and Dynamic Heterogeneity in Glass-Forming Liquids. Physical Review Letters, 2018, 120, 125502.	7.8	24
82	Dynamic signature of orbital selective Mott transition in the metallic phase of VO₂. New Journal of Physics, 2018, 20, 073026.	2.9	8
83	Design of anti-site disorder for tunable spontaneous exchange bias: Mn-Ni-Al alloys as a case. Applied Physics Letters, 2018, 113, .	3.3	11
84	Stress relief by annealing under external stress in Fe-based metallic glasses. Journal of Applied Physics, 2018, 124, 165108.	2.5	9
85	Shear-band affected zone revealed by magnetic domains in a ferromagnetic metallic glass. Nature Communications, 2018, 9, 4414.	12.8	62
86	Vacancy mediated ionic mobility in a phonon glass material CuAgSe. Solid State Ionics, 2018, 326, 183-187.	2.7	6
87	Giant and anisotropic many-body spinâ€"orbit tunability in a strongly correlated kagome magnet. Nature, 2018, 562, 91-95.	27.8	255
88	Giant anomalous Hall effect in a ferromagnetic kagome-lattice semimetal. Nature Physics, 2018, 14, 1125-1131.	16.7	876
89	Crystal-orientation dependence of magnetic domain structures in the skyrmion-hosting magnets MnNiGa. APL Materials, 2018, 6, 076101.	5.1	12
90	Large topological hall effect observed in tetragonal Mn2PtSn Heusler thin film. Applied Physics Letters, 2018, 113, 062406.	3.3	22

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91	Fast Surface Dynamics of Metallic Glass Enable Superlatticelike Nanostructure Growth. Physical Review Letters, 2017, 118, 016101.	7.8	41
92	Flexible amorphous metal films with high stability. Applied Physics Letters, 2017, 110, .	3.3	16
93	Angle-dependent magnetoresistance and quantum oscillations in high-mobility semimetal LuPtBi. Journal of Physics Condensed Matter, 2017, 29, 195501.	1.8	8
94	Large topological Hall effect in nonchiral hexagonal MnNiGa films. Applied Physics Letters, 2017, 110, .	3.3	21
95	Understanding the maximum dynamical heterogeneity during the unfreezing process in metallic glasses. Journal of Applied Physics, 2017, 121, .	2.5	13
96	Structural origin of fractional Stokes-Einstein relation in glass-forming liquids. Scientific Reports, 2017, 7, 39938.	3.3	27
97	Helium Nanobubbles Enhance Superelasticity and Retard Shear Localization in Small-Volume Shape Memory Alloy. Nano Letters, 2017, 17, 3725-3730.	9.1	24
98	Observation of Various and Spontaneous Magnetic Skyrmionic Bubbles at Room Temperature in a Frustrated Kagome Magnet with Uniaxial Magnetic Anisotropy. Advanced Materials, 2017, 29, 1701144.	21.0	189
99	Size effect on dynamics and glass transition in metallic liquids and glasses. Journal of Chemical Physics, 2017, 146, 224502.	3.0	15
100	Unusual energy state evolution in Ce-based metallic glass under high pressure. Journal of Applied Physics, 2017, 121, .	2.5	12
101	Transition from Anomalous Hall Effect to Topological Hall Effect in Hexagonal Non-Collinear Magnet Mn3Ga. Scientific Reports, 2017, 7, 515.	3.3	70
102	<i>In-situ</i> atomic force microscopy observation revealing gel-like plasticity on a metallic glass surface. Journal of Applied Physics, 2017, 121, .	2.5	13
103	Observation of weak antilocalization effect in high-quality ScNiBi single crystal. Journal of Applied Physics, 2017, 121, .	2.5	12
104	High stored energy of metallic glasses induced by high pressure. Applied Physics Letters, 2017, 110, .	3.3	40
105	Real-Space Observation of Nonvolatile Zero-Field Biskyrmion Lattice Generation in MnNiGa Magnet. Nano Letters, 2017, 17, 7075-7079.	9.1	64
106	Structural and dynamical characteristics of flow units in metallic glasses. Scientific Reports, 2017, 7, 11558.	3.3	7
107	Flexible strain sensors with high performance based on metallic glass thin film. Applied Physics Letters, 2017, 111, .	3.3	55
108	Half-metallicity of the bulk and (001) surface of NbFeCrAl and NbFeVGe Heusler compounds: a first-principles prediction. RSC Advances, 2017, 7, 31707-31713.	3.6	12

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109	The electronic and magnetic properties and topological Hall effect in hexagonal MnNiGa alloy films by varying Mn contents. Journal of Alloys and Compounds, 2017, 725, 1324-1329.	5.5	12
110	Generation of high-density biskyrmions by electric current. Npj Quantum Materials, 2017, 2, .	5.2	30
111	Structural, electronic, magnetic, half-metallic, mechanical, and thermodynamic properties of the quaternary Heusler compound FeCrRuSi: A first-principles study. Scientific Reports, 2017, 7, 16183.	3.3	59
112	Significantly enhanced memory effect in metallic glass by multistep training. Physical Review B, 2017, 96, .	3.2	8
113	Machine Learning Approach for Prediction and Understanding of Glass-Forming Ability. Journal of Physical Chemistry Letters, 2017, 8, 3434-3439.	4.6	137
114	Resonance ultrasonic actuation and local structural rejuvenation in metallic glasses. Physical Review B, 2017, 95, .	3.2	14
115	Relaxation Decoupling in Metallic Glasses at Low Temperatures. Physical Review Letters, 2017, 118, 225901.	7.8	102
116	Universal structural softening in metallic glasses indicated by boson heat capacity peak. Applied Physics Letters, 2017, 111, .	3.3	15
117	L21 and XA Ordering Competition in Hafnium-Based Full-Heusler Alloys Hf2VZ (Z = Al, Ga, In, Tl, Si, Ge,) Tj ETQq1 1 0.784314 rgBT /Ov	2.9	25
118	Tuning antiferromagnetic exchange interaction for spontaneous exchange bias in MnNiSnSi system. APL Materials, 2017, 5, .	5.1	25
119	Revealing flow behaviors of metallic glass based on activation of flow units. Journal of Applied Physics, 2016, 119, .	2.5	10
120	Flexible Allâ€Solidâ€State Supercapacitors based on Liquidâ€Exfoliated Blackâ€Phosphorus Nanoflakes. Advanced Materials, 2016, 28, 3194-3201.	21.0	290
121	Single-particle dynamics near the glass transition of a metallic glass. Physical Review E, 2016, 94, 062611.	2.1	11
122	A fast dynamic mode in rare earth based glasses. Journal of Chemical Physics, 2016, 144, 204507.	3.0	36
123	Revealing <i>Î²</i>-relaxation mechanism based on energy distribution of flow units in metallic glass. Journal of Chemical Physics, 2016, 144, 144501.	3.0	29
124	Unconventional magnetization of Fe3O4 thin film grown on amorphous SiO2 substrate. AIP Advances, 2016, 6, .	1.3	15
125	Nonvolatile Multilevel Memory and Boolean Logic Gates Based on a Single Ni/[Pb(Mg1/3Nb2/3)O3]0.7[PbTiO3]0.3/Ni Heterostructure. Physical Review Applied, 2016, 6, .	3.8	23
126	The correlation between fragility, density, and atomic interaction in glass-forming liquids. Journal of Chemical Physics, 2016, 145, 034505.	3.0	7

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127	Enhanced kinetic stability of a bulk metallic glass by high pressure. Applied Physics Letters, 2016, 109, .	3.3	20
128	Large anisotropic thermal transport properties observed in bulk single crystal black phosphorus. Applied Physics Letters, 2016, 108, .	3.3	27
129	Windows open for highly tunable magnetostructural phase transitions. APL Materials, 2016, 4, .	5.1	18
130	Magnetostructural martensitic transformations with large volume changes and magneto-strains in all-<i>d</i>-metal Heusler alloys. Applied Physics Letters, 2016, 109, .	3.3	84
131	The Critical Criterion on Runaway Shear Banding in Metallic Glasses. Scientific Reports, 2016, 6, 21388.	3.3	18
132	Effects of atomic interaction stiffness on low-temperature relaxation of amorphous solids. Physical Chemistry Chemical Physics, 2016, 18, 26643-26650.	2.8	10
133	Teâ€Doped Black Phosphorus Fieldâ€Effect Transistors. Advanced Materials, 2016, 28, 9408-9415.	21.0	241
134	Ideal shear banding in metallic glass. Philosophical Magazine, 2016, 96, 3159-3176.	1.6	3
135	Large and Anisotropic Linear Magnetoresistance in Single Crystals of Black Phosphorus Arising From Mobility Fluctuations. Scientific Reports, 2016, 6, 23807.	3.3	26
136	NMR Evidence for the Topologically Nontrivial Nature in a Family of Half-Heusler Compounds. Scientific Reports, 2016, 6, 23172.	3.3	41
137	Structural evolution of nanoscale metallic glasses during high-pressure torsion: A molecular dynamics analysis. Scientific Reports, 2016, 6, 36627.	3.3	21
138	Unveiling atomic-scale features of inherent heterogeneity in metallic glass by molecular dynamics simulations. Physical Review B, 2016, 93, .	3.2	39
139	Memory Effect Manifested by a Boson Peak in Metallic Glass. Physical Review Letters, 2016, 116, 175901.	7.8	51
140	Understanding Atomic-Scale Features of Low Temperature-Relaxation Dynamics in Metallic Glasses. Journal of Physical Chemistry Letters, 2016, 7, 4945-4950.	4.6	25
141	Towards understanding of heat effects in metallic glasses on the basis of macroscopic shear elasticity. Scientific Reports, 2016, 6, 23026.	3.3	44
142	Shear-banding Induced Indentation Size Effect in Metallic Glasses. Scientific Reports, 2016, 6, 28523.	3.3	15
143	Critical scaling of icosahedral medium-range order in CuZr metallic glass-forming liquids. Scientific Reports, 2016, 6, 35967.	3.3	32
144	Structural Signature of Plasticity Unveiled by Nano-Scale Viscoelastic Contact in a Metallic Glass. Scientific Reports, 2016, 6, 29357.	3.3	21

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145	A method of measuring dynamic strain under electromagnetic forming conditions. Review of Scientific Instruments, 2016, 87, 043902.	1.3	3
146	Wide temperature window of magnetostructural transition achieved in Mn0.4Fe0.6NiSi1âˆ’xGax by a two-step isostructural alloying process. AIP Advances, 2016, 6, 056220.	1.3	10
147	A Centrosymmetric Hexagonal Magnet with Superstable Biskyrmion Magnetic Nanodomains in a Wide Temperature Range of 100â€“340 K. Advanced Materials, 2016, 28, 6887-6893.	21.0	209
148	Liquidâ€Exfoliated Black Phosphorous Nanosheet Thin Films for Flexible Resistive Random Access Memory Applications. Advanced Functional Materials, 2016, 26, 2016-2024.	14.9	161
149	Atomic-Level Characterization of Dynamics of Copper Ions in CuAgSe. Journal of Physical Chemistry C, 2016, 120, 3229-3234.	3.1	13
150	Microstructural heterogeneity perspective on the yield strength of metallic glasses. Journal of Applied Physics, 2016, 119, .	2.5	10
151	High electron mobility and large magnetoresistance in the half-Heusler semimetal LuPtBi. Physical Review B, 2015, 92, .	3.2	51
152	Effect of dynamical heterogeneity on heat capacity at glass transition in typical silicate glasses. Journal of Applied Physics, 2015, 118, .	2.5	3
153	Evolution of structural and dynamic heterogeneities during elastic to plastic transition in metallic glass. Journal of Applied Physics, 2015, 118, .	2.5	17
154	Large low-field positive magnetoresistance in nonmagnetic half-Heusler ScPtBi single crystal. Applied Physics Letters, 2015, 107, .	3.3	50
155	Revealing localized plastic flow in apparent elastic region before yielding in metallic glasses. Journal of Applied Physics, 2015, 118, .	2.5	19
156	Communication: Non-monotonic evolution of dynamical heterogeneity in unfreezing process of metallic glasses. Journal of Chemical Physics, 2015, 143, 041104.	3.0	9
157	Magnetoelastic Multiferroics: Unprecedentedly Wide Curieâ€Temperature Windows as Phaseâ€Transition Design Platform for Tunable Magnetoâ€Multifunctional Materials (Adv. Electron. Mater. 7/2015). Advanced Electronic Materials, 2015, 1, .	5.1	1
158	Unprecedentedly Wide Curieâ€Temperature Windows as Phaseâ€Transition Design Platform for Tunable Magnetoâ€Multifunctional Materials. Advanced Electronic Materials, 2015, 1, 1500076.	5.1	75
159	Disorder-Induced Enhancement of Magnetic Properties in Ball-Milled Fe₂CrAl Alloy. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	3
160	Hidden topological order and its correlation with glass-forming ability in metallic glasses. Nature Communications, 2015, 6, 6035.	12.8	107
161	Five-fold symmetry as indicator of dynamic arrest in metallic glass-forming liquids. Nature Communications, 2015, 6, 8310.	12.8	206
162	Enhancement of the thermoelectric properties of MnSb₂Se₄through Cu resonant doping. RSC Advances, 2015, 5, 99065-99073.	3.6	11

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163	First-principles investigation of possible martensitic transformation and magnetic properties of Heusler-type Pt2-xMn1+xIn alloys. Functional Materials Letters, 2015, 08, 1550064.	1.2	3
164	Rejuvenation of metallic glasses by non-affine thermal strain. Nature, 2015, 524, 200-203.	27.8	568
165	Coupled Magnetic and Structural Transitions in Fe-Doped MnNiSi Compounds. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	3
166	Transition from semiconducting to metallic-like conducting and weak antilocalization effect in single crystals of LuPtSb. Applied Physics Letters, 2015, 106, 102102.	3.3	34
167	Realization of multifunctional shape-memory ferromagnets in all-<i>d</i>-metal Heusler phases. Applied Physics Letters, 2015, 107, .	3.3	152
168	NMR investigation of atomic and electronic structures of half-Heusler topologically nontrivial semimetals. Physica Status Solidi (B): Basic Research, 2015, 252, 357-360.	1.5	16
169	Microscopic dynamics perspective on the relationship between Poisson's ratio and ductility of metallic glasses. Journal of Chemical Physics, 2014, 140, 044511.	3.0	33
170	Magnetization jumps and exchange bias induced by a partially disordered antiferromagnetic state in (FeTiO3)0.9-(Fe2O3)0.1. Journal of Applied Physics, 2014, 115, 213907.	2.5	9
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