Wen-Hong Wang

List of Publications by Year
in descending order

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

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

#	Article	IF	Citations
1	Intrinsic plasticity or brittleness of metallic glasses. Philosophical Magazine Letters, 2005, 85, 77-87.	1.2	1,061
2	Super Plastic Bulk Metallic Glasses at Room Temperature. Science, 2007, 315, 1385-1388.	12.6	1,033
3	Giant anomalous Hall effect in a ferromagnetic kagome-lattice semimetal. Nature Physics, 2018, 14, 1125-1131.	16.7	876
4	Rejuvenation of metallic glasses by non-affine thermal strain. Nature, 2015, 524, 200-203.	27.8	568
5	Bulk Metallic Glasses with Functional Physical Properties. Advanced Materials, 2009, 21, 4524-4544.	21.0	413
6	Stable magnetostructural coupling with tunable magnetoresponsive effects in hexagonal ferromagnets. Nature Communications, 2012, 3, 873.	12.8	376
7	Flexible Allâ€Solidâ€State Supercapacitors based on Liquidâ€Exfoliated Blackâ€Phosphorus Nanoflakes. Advanced Materials, 2016, 28, 3194-3201.	21.0	290
8	Giant and anisotropic many-body spinâ€“orbit tunability in a strongly correlated kagome magnet. Nature, 2018, 562, 91-95.	27.8	255
9	Evolution of hidden localized flow during glass-to-liquid transition in metallic glass. Nature Communications, 2014, 5, 5823.	12.8	251
10	Martensitic transformation and shape memory effect in ferromagnetic Heusler alloy Ni2FeGa. Applied Physics Letters, 2003, 82, 424-426.	3.3	243
11	Teâ€Doped Black Phosphorus Fieldâ€Effect Transistors. Advanced Materials, 2016, 28, 9408-9415.	21.0	241
12	Demonstration of Half-Metallicity in Fermi-Level-Tuned Heusler Alloy<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Co</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>FeAl</mml:mi><mml:m Room Temperature. Physical Review Letters, 2009, 102, 246601.	7.8	238
13	A new spin gapless semiconductors family: Quaternary Heusler compounds. Europhysics Letters, 2013, 102, 17007.	2.0	222
14	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
15	Five-fold symmetry as indicator of dynamic arrest in metallic glass-forming liquids. Nature Communications, 2015, 6, 8310.	12.8	206
16	Observation of Magnetic Skyrmion Bubbles in a van der Waals Ferromagnet Fe₃GeTe₂. Nano Letters, 2020, 20, 868-873.	9.1	198
17	Magnetic properties and spin polarization ofCo2MnSiHeusler alloy thin films epitaxially grown on GaAs(001). Physical Review B, 2005, 71, .	3.2	191
18	Effect of local structures and atomic packing on glass forming ability in CuxZr100â^'x metallic glasses. Applied Physics Letters, 2010, 96, .	3.3	189

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19	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
20	Understanding the Glass-forming Ability of Cu50Zr50 Alloys in Terms of a Metastable Eutectic. Journal of Materials Research, 2005, 20, 2307-2313.	2.6	187
21	Flow Unit Perspective on Room Temperature Homogeneous Plastic Deformation in Metallic Glasses. Physical Review Letters, 2014, 113, 045501.	7.8	165
22	Liquidâ€Exfoliated Black Phosphorous Nanosheet Thin Films for Flexible Resistive Random Access Memory Applications. Advanced Functional Materials, 2016, 26, 2016-2024.	14.9	161
23	Giant tunneling magnetoresistance up to 330% at room temperature in sputter deposited Co2FeAl/MgO/CoFe magnetic tunnel junctions. Applied Physics Letters, 2009, 95, .	3.3	156
24	Realization of multifunctional shape-memory ferromagnets in all-d-metal Heusler phases. Applied Physics Letters, 2015, 107, .	3.3	152
25	Coherent tunneling and giant tunneling magnetoresistance in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Co</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msu tunneling junctions. Physical Review B, 2010, 81, .	3.2	139
26	Machine Learning Approach for Prediction and Understanding of Glass-Forming Ability. Journal of Physical Chemistry Letters, 2017, 8, 3434-3439.	4.6	137
27	Measurements of slowÎ²-relaxations in metallic glasses and supercooled liquids. Physical Review B, 2007, 75, .	3.2	132
28	High-Entropy Metallic Glasses. Jom, 2014, 66, 2067-2077.	1.9	132
29	Electric-field-driven non-volatile multi-state switching of individual skyrmions in a multiferroic heterostructure. Nature Communications, 2020, 11, 3577.	12.8	117
30	Weak Antilocalization Effect and Noncentrosymmetric Superconductivity in a Topologically Nontrivial Semimetal LuPdBi. Scientific Reports, 2014, 4, 5709.	3.3	112
31	Hidden topological order and its correlation with glass-forming ability in metallic glasses. Nature Communications, 2015, 6, 6035.	12.8	107
32	Superhydrophobic metallic glass surface with superior mechanical stability and corrosion resistance. Applied Physics Letters, 2014, 104, .	3.3	106
33	Relaxation Decoupling in Metallic Glasses at Low Temperatures. Physical Review Letters, 2017, 118, 225901.	7.8	102
34	Giant magnetocaloric effect in isostructural MnNiGe-CoNiGe system by establishing a Curie-temperature window. Applied Physics Letters, 2013, 102, .	3.3	101
35	Coexistence of reentrant-spin-glass and ferromagnetic martensitic phases in the Mn2Ni1.6Sn0.4 Heusler alloy. Applied Physics Letters, 2011, 99, .	3.3	100
36	Large Linear Magnetoresistance and Shubnikov-de Hass Oscillations in Single Crystals of YPdBi Heusler Topological Insulators. Scientific Reports, 2013, 3, 2181.	3.3	90

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37	Local temperature rises during mechanical testing of metallic glasses. Journal of Materials Research, 2007, 22, 419-427.	2.6	87
38	Magnetostructural martensitic transformations with large volume changes and magneto-strains in all-d-metal Heusler alloys. Applied Physics Letters, 2016, 109, .	3.3	84
39	Ultrastable metallic glasses formed on cold substrates. Nature Communications, 2018, 9, 1389.	12.8	83
40	Superior glass-forming ability of CuZr alloys from minor additions. Journal of Materials Research, 2006, 21, 1674-1679.	2.6	81
41	Correlation between structural relaxation and connectivity of icosahedral clusters in CuZr metallic glass-forming liquids. Physical Review B, 2013, 88, .	3.2	80
42	Crossover of magnetoresistance in the zero-gap half-metallic Heusler alloy Fe ₂ CoSi. Europhysics Letters, 2013, 103, 37011.	2.0	77
43	Unprecedentedly Wide Curieâ€Temperature Windows as Phaseâ€Transition Design Platform for Tunable Magnetoâ€Multifunctional Materials. Advanced Electronic Materials, 2015, 1, 1500076.	5.1	75
44	Temperature dependence of tunneling magnetoresistance in epitaxial magnetic tunnel junctions using a<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Co</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msu alloy electrode. Physical Review B, 2010, 82, .	3.2	70
45	An electronic structure perspective on glass-forming ability in metallic glasses. Applied Physics Letters, 2010, 96, .	3.3	70
46	Transition from Anomalous Hall Effect to Topological Hall Effect in Hexagonal Non-Collinear Magnet Mn3Ga. Scientific Reports, 2017, 7, 515.	3.3	70
47	Magnetostructural Transformation and Magnetoresponsive Properties of ${m MnNiGe}_{1-x}{m Sn}_{x}$ Alloys. IEEE Transactions on Magnetics, 2011, 47, 4041-4043.	2.1	68
48	Direct writing of room temperature and zero field skyrmion lattices by a scanning local magnetic field. Applied Physics Letters, 2018, 112, .	3.3	68
49	Large topological Hall effect in a geometrically frustrated kagome magnet Fe3Sn2. Applied Physics Letters, 2019, 114, .	3.3	68
50	Thermophysical and elastic properties of Cu50Zr50 and (Cu50Zr50)95Al5 bulk-metallic-glass-forming alloys. Applied Physics Letters, 2006, 89, 241917.	3.3	67
51	Magneto-transport properties of oriented Mn2CoAl films sputtered on thermally oxidized Si substrates. Applied Physics Letters, 2014, 104, .	3.3	66
52	Ultrafast extreme rejuvenation of metallic glasses by shock compression. Science Advances, 2019, 5, eaaw6249.	10.3	66
53	Compositional origin of unusual Î²-relaxation properties in La-Ni-Al metallic glasses. Journal of Chemical Physics, 2014, 141, 084506.	3.0	65
54	Strain distribution in Zr64.13Cu15.75Ni10.12Al10 bulk metallic glass investigated by in situ tensile tests under synchrotron radiation. Journal of Applied Physics, 2008, 104, .	2.5	64

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55	Real-Space Observation of Nonvolatile Zero-Field Biskyrmion Lattice Generation in MnNiGa Magnet. Nano Letters, 2017, 17, 7075-7079.	9.1	64
56	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
57	Shear-band affected zone revealed by magnetic domains in a ferromagnetic metallic glass. Nature Communications, 2018, 9, 4414.	12.8	62
58	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
59	Ultrasonic investigation of Pd39Ni10Cu30P21 bulk metallic glass upon crystallization. Applied Physics Letters, 2000, 77, 1147-1149.	3.3	57
60	Ductile Metallic Glasses in Supercooled Martensitic Alloys. Materials Transactions, 2006, 47, 2606-2609.	1.2	55
61	Flexible strain sensors with high performance based on metallic glass thin film. Applied Physics Letters, 2017, 111, .	3.3	55
62	Localized spin-orbit polaron in magnetic Weyl semimetal Co3Sn2S2. Nature Communications, 2020, 11, 5613.	12.8	53
63	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: Physical Review B, 2019, 100, .	3.2	52
64	High electron mobility and large magnetoresistance in the half-Heusler semimetal LuPtBi. Physical Review B, 2015, 92, .	3.2	51
65	Memory Effect Manifested by a Boson Peak in Metallic Glass. Physical Review Letters, 2016, 116, 175901.	7.8	51
66	Large low-field positive magnetoresistance in nonmagnetic half-Heusler ScPtBi single crystal. Applied Physics Letters, 2015, 107, .	3.3	50
67	Liquid-like behaviours of metallic glassy nanoparticles at room temperature. Nature Communications, 2019, 10, 1966.	12.8	48
68	Currentâ€Induced Helicity Reversal of a Single Skyrmionic Bubble Chain in a Nanostructured Frustrated Magnet. Advanced Materials, 2020, 32, e1904815.	21.0	47
69	Giant exchange bias based on magnetic transition in Î³-Fe2MnGa melt-spun ribbons. Applied Physics Letters, 2010, 97, .	3.3	46
70	Pressure effects on mechanical properties of bulk metallic glass. Applied Physics Letters, 2007, 90, 051906.	3.3	45
71	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
72	Towards understanding of heat effects in metallic glasses on the basis of macroscopic shear elasticity. Scientific Reports, 2016, 6, 23026.	3.3	44

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73	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
74	Mechanical heterogeneity and mechanism of plasticity in metallic glasses. Applied Physics Letters, 2009, 94, .	3.3	43
75	Manipulating the Topology of Nanoscale Skyrmion Bubbles by Spatially Geometric Confinement. ACS Nano, 2019, 13, 922-929.	14.6	43
76	Enhance plasticity of bulk metallic glasses by geometric confinement. Journal of Materials Research, 2007, 22, 2384-2388.	2.6	42
77	Correlation between dynamic flow and thermodynamic glass transition in metallic glasses. Applied Physics Letters, 2010, 96, .	3.3	42
78	Elastic constants of Pd39Ni10Cu30P21 bulk metallic glass under high pressure. Applied Physics Letters, 2000, 77, 3734-3736.	3.3	41
79	NMR Evidence for the Topologically Nontrivial Nature in a Family of Half-Heusler Compounds. Scientific Reports, 2016, 6, 23172.	3.3	41
80	Fast Surface Dynamics of Metallic Glass Enable Superlatticelike Nanostructure Growth. Physical Review Letters, 2017, 118, 016101.	7.8	41
81	Polymorphic magnetization and local ferromagnetic structure in Co-doped Mn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>NiGa alloys. Physical Review B, 2011, 84, .	3.2	40
82	High stored energy of metallic glasses induced by high pressure. Applied Physics Letters, 2017, 110, .	3.3	40
83	Unveiling atomic-scale features of inherent heterogeneity in metallic glass by molecular dynamics simulations. Physical Review B, 2016, 93, .	3.2	39
84	Crossover from stochastic activation to cooperative motions of shear transformation zones in metallic glasses. Applied Physics Letters, 2013, 103, 081904.	3.3	38
85	Characterization of flow units in metallic glass through density variation. Journal of Applied Physics, 2013, 114, 123514.	2.5	38
86	CaLi-based bulk metallic glasses with multiple superior properties. Applied Physics Letters, 2008, 93, .	3.3	37
87	Magnetic-field-induced martensitic transformation in MnNiAl:Co alloys. Applied Physics Letters, 2012, 100, .	3.3	37
88	Correlations between elastic moduli and molar volume in metallic glasses. Applied Physics Letters, 2009, 94, .	3.3	36
89	A fast dynamic mode in rare earth based glasses. Journal of Chemical Physics, 2016, 144, 204507.	3.0	36
90	Polyamorphic transitions in Ce-based metallic glasses by synchrotron radiation. Physical Review B, 2011, 84, .	3.2	35

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91	Spin excitations and spin wave gap in the ferromagnetic Weyl semimetal Co3Sn2S2. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	5.1	35
92	Martensitic and magnetic transformation in Mn50Ni50â^'xSnx ferromagnetic shape memory alloys. Journal of Applied Physics, 2012, 112, .	2.5	34
93	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
94	Soft ytterbium-based bulk metallic glasses with strong liquid characteristic by design. Applied Physics Letters, 2009, 94, 041910.	3.3	33
95	Metallic glass mold insert for hot embossing of polymers. Journal of Applied Physics, 2012, 112, .	2.5	33
96	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
97	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
98	Critical scaling of icosahedral medium-range order in CuZr metallic glass-forming liquids. Scientific Reports, 2016, 6, 35967.	3.3	32
99	Effect of pressure on nucleation and growth in theZr46.75Ti8.25Cu7.5Ni10Be27.5bulk glass-forming alloy investigated usingin situx-ray diffraction. Physical Review B, 2003, 68, .	3.2	31
100	Influence of tetragonal distortion on the topological electronic structure of the half-Heusler compound LaPtBi from first principles. Applied Physics Letters, 2011, 99, .	3.3	31
101	Current-Driven Dynamics of Frustrated Skyrmions in a Synthetic Antiferromagnetic Bilayer. Physical Review Applied, 2019, 11, .	3.8	31
102	On the anisotropies of magnetization and electronic transport of magnetic Weyl semimetal Co3Sn2S2. Applied Physics Letters, 2019, 115, 212403.	3.3	31
103	Bulk Scandium-based Metallic Glasses. Journal of Materials Research, 2005, 20, 2243-2247.	2.6	30
104	Ferromagnetic structures in Mn2CoGa and Mn2CoAl doped by Co, Cu, V, and Ti. Journal of Applied Physics, 2013, 113, .	2.5	30
105	Generation of high-density biskyrmions by electric current. Npj Quantum Materials, 2017, 2, .	5.2	30
106	Metallic Glacial Glass Formation by a First-Order Liquidâ€"Liquid Transition. Journal of Physical Chemistry Letters, 2020, 11, 6718-6723.	4.6	30
107	Magnetic entropy change in LaFe[sub 13â^'x]Si[sub x] intermetallic compounds. Journal of Applied Physics, 2002, 91, 8537.	2.5	29
108	Revealing Î²-relaxation mechanism based on energy distribution of flow units in metallic glass. Journal of Chemical Physics, 2016, 144, 144501.	3.0	29

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109	Electronic behaviors during martensitic transformations in all-d-metal Heusler alloys. Journal of Physics Condensed Matter, 2019, 31, 425401.	1.8	29
110	Formation and properties of Zr₄₈Nb₈Fe₈Cu₁₂Be₂₄ bulk metallic glass. Journal of Materials Research, 2001, 16, 1675-1679.	2.6	27
111	Large anisotropic thermal transport properties observed in bulk single crystal black phosphorus. Applied Physics Letters, 2016, 108, .	3.3	27
112	Structural origin of fractional Stokes-Einstein relation in glass-forming liquids. Scientific Reports, 2017, 7, 39938.	3.3	27
113	Large and Anisotropic Linear Magnetoresistance in Single Crystals of Black Phosphorus Arising From Mobility Fluctuations. Scientific Reports, 2016, 6, 23807.	3.3	26
114	Understanding exceptional thermodynamic and kinetic stability of amorphous sulfur obtained by rapid compression. Applied Physics Letters, 2009, 94, 011910.	3.3	25
115	Characterization of mechanical heterogeneity in amorphous solids. Journal of Applied Physics, 2012, 112, .	2.5	25
116	Understanding Atomic-Scale Features of Low Temperature-Relaxation Dynamics in Metallic Glasses. Journal of Physical Chemistry Letters, 2016, 7, 4945-4950.	4.6	25
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 /Over	2.9	25
118	Multiscale Relaxation Dynamics in Ultrathin Metallic Glass-Forming Films. Physical Review Letters, 2018, 120, 155501.	7.8	25
119	Tuning antiferromagnetic exchange interaction for spontaneous exchange bias in MnNiSnSi system. APL Materials, 2017, 5, .	5.1	25
120	Thulium-based bulk metallic glass. Applied Physics Letters, 2008, 92, .	3.3	24
121	Significant disorder-induced enhancement of the magnetization of Fe2CrGa by ball milling. Journal of Applied Physics, 2013, 114, 013903.	2.5	24
122	Helium Nanobubbles Enhance Superelasticity and Retard Shear Localization in Small-Volume Shape Memory Alloy. Nano Letters, 2017, 17, 3725-3730.	9.1	24
123	Revealing the Link between Structural Relaxation and Dynamic Heterogeneity in Glass-Forming Liquids. Physical Review Letters, 2018, 120, 125502.	7.8	24
124	Many-Body Resonance in a Correlated Topological Kagome Antiferromagnet. Physical Review Letters, 2020, 125, 046401.	7.8	24
125	Formation and properties of Pr-based bulk metallic glasses. Journal of Materials Research, 2006, 21, 369-374.	2.6	23
126	Deformation behaviors and mechanism of Niâ€“Coâ€“Nbâ€“Ta bulk metallic glasses with high strength and plasticity. Journal of Materials Research, 2007, 22, 869-875.	2.6	23

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127	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
128	Oriented 3D Magnetic Biskyrmions in MnNiGa Bulk Crystals. Advanced Materials, 2019, 31, e1900264.	21.0	23
129	Large anisotropic topological Hall effect in a hexagonal non-collinear magnet Fe5Sn3. Applied Physics Letters, 2020, 116, .	3.3	23
130	Large topological hall effect observed in tetragonal Mn2PtSn Heusler thin film. Applied Physics Letters, 2018, 113, 062406.	3.3	22
131	Magnetic hard nanobubble: A possible magnetization structure behind the bi-skyrmion. Applied Physics Letters, 2019, 114, .	3.3	22
132	Current-driven skyrmionium in a frustrated magnetic system. Applied Physics Letters, 2020, 117, .	3.3	22
133	Structural evolution of nanoscale metallic glasses during high-pressure torsion: A molecular dynamics analysis. Scientific Reports, 2016, 6, 36627.	3.3	21
134	Structural Signature of Plasticity Unveiled by Nano-Scale Viscoelastic Contact in a Metallic Glass. Scientific Reports, 2016, 6, 29357.	3.3	21
135	Large topological Hall effect in nonchiral hexagonal MnNiGa films. Applied Physics Letters, 2017, 110, .	3.3	21
136	Reversible phase transition between amorphous and crystalline in Zr41.2Ti13.8Cu12.5Ni10Be22.5 under high pressure at room temperature. Applied Physics Letters, 2000, 76, 2874-2876.	3.3	20
137	The oxidation behavior of Cuâ€“Zrâ€“Tiâ€“base bulk metallic glasses in air at 350â€“500ÂÂ°C. Oxidation of Metals, 2007, 67, 179-192.	2.1	20
138	Ductile to brittle transition in dynamic fracture of brittle bulk metallic glass. Journal of Applied Physics, 2008, 103, .	2.5	20
139	Role of covalent hybridization in the martensitic structure and magnetic properties of shape-memory alloys: The case of Ni50Mn5+xGa35-xCu10. Applied Physics Letters, 2013, 102, .	3.3	20
140	Enhanced kinetic stability of a bulk metallic glass by high pressure. Applied Physics Letters, 2016, 109, .	3.3	20
141	Magnetic semiconductors based on quaternary Heusler compounds. Computational Materials Science, 2018, 150, 321-324.	3.0	20
142	Direct imaging of an inhomogeneous electric current distribution using the trajectory of magnetic half-skyrmions. Science Advances, 2020, 6, eaay1876.	10.3	20
143	Responses of glassy structure and properties to pressure and devitrification. Applied Physics Letters, 2003, 83, 2814-2816.	3.3	19
144	Shear modulus as a dominant parameter in glass transitions: Ultrasonic measurement of the temperature dependence of elastic properties of glasses. Physical Review B, 2007, 76, .	3.2	19

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145	Revealing localized plastic flow in apparent elastic region before yielding in metallic glasses. Journal of Applied Physics, 2015, 118, .	2.5	19
146	Enhanced Stability of Black Phosphorus Fieldâ€Effect Transistors via Hydrogen Treatment. Advanced Electronic Materials, 2018, 4, 1700455.	5.1	19
147	Tunable magnetic and transport properties of Mn3Ga thin films on Ta/Ru seed layer. Journal of Applied Physics, 2018, 123, .	2.5	19
148	Reversible and irreversible Î² -relaxations in metallic glasses. Physical Review B, 2020, 101, .	3.2	19
149	Temperature dependence of x-ray absorption spectra in the ferromagnetic Heusler alloy <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Mn</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub> xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Co</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub> Physical Review B, 2010, 82, .	3.2	18
150	Phase stability, magnetism and generalized electron-filling rule of vanadium-based inverse Heusler compounds. Europhysics Letters, 2013, 104, 27012.	2.0	18
151	Windows open for highly tunable magnetostructural phase transitions. APL Materials, 2016, 4, .	5.1	18
152	The Critical Criterion on Runaway Shear Banding in Metallic Glasses. Scientific Reports, 2016, 6, 21388.	3.3	18
153	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>2</mml:mn></mml:msub></mml:mrow></mml:math> single	3.2	18
154	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></mml:msub></mml:mrow></mml:math> ; Tunability by hydrostatic pressure. Physical Review B, 2021, 103, .	3.2	18
155	Evolution of structural and dynamic heterogeneities during elastic to plastic transition in metallic glass. Journal of Applied Physics, 2015, 118, .	2.5	17
156	Weak antilocalization effect and high-pressure transport properties of ScPdBi single crystal. Applied Physics Letters, 2019, 115, .	3.3	17
157	Ferromagnetic martensitic transformation and large magnetocaloric effect in Ni35Co15â^'xFexMn35Ti15 (xâ€‰=â€‰2, 4, 6, 8) alloys. Journal of Applied Physics, 2020, 127, .	2.5	17
158	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
159	Flexible amorphous metal films with high stability. Applied Physics Letters, 2017, 110, .	3.3	16
160	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
161	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
162	Tuning exchange bias by thermal fluctuation in Fe52Mn23Ga25 melt-spun ribbons. Applied Physics Letters, 2011, 99, .	3.3	15

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163	Large magnetization change and magnetoresistance associated with martensitic transformation in Mn2Ni1.36Sn0.32Co0.32 alloy. Journal of Applied Physics, 2011, 110, 013916.	2.5	15
164	Unconventional magnetization of Fe3O4 thin film grown on amorphous SiO2 substrate. AIP Advances, 2016, 6, .	1.3	15
165	Shear-banding Induced Indentation Size Effect in Metallic Glasses. Scientific Reports, 2016, 6, 28523.	3.3	15
166	Size effect on dynamics and glass transition in metallic liquids and glasses. Journal of Chemical Physics, 2017, 146, 224502.	3.0	15
167	Universal structural softening in metallic glasses indicated by boson heat capacity peak. Applied Physics Letters, 2017, 111, .	3.3	15
168	Intrinsic and extrinsic electrical and thermal transport of bulk black phosphorus. Physical Review B, 2018, 97, .	3.2	15
169	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
170	Large anomalous Hall angle in a topological semimetal candidate TbPtBi. Applied Physics Letters, 2021, 118, .	3.3	15
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