

Yan Wen

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,196
citations

471371

17
h-index

377752

34
g-index

40
all docs

40
docs citations

40
times ranked

2165
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic Full Adder Based on Negative Differential Resistance-Enhanced Anomalous Hall Effect. IEEE Magnetics Letters, 2022, 13, 1-5.	0.6	0
2	Integrated Memory Devices Based on 2D Materials. Advanced Materials, 2022, 34, e2201880.	11.1	33
3	Spin transport in multilayer graphene away from the charge neutrality point. Carbon, 2021, 172, 474-479.	5.4	3
4	Nonreciprocal charge transport up to room temperature in bulk Rashba semiconductor $\hat{\Gamma}$ -GeTe. Nature Communications, 2021, 12, 540.	5.8	27
5	Berry Phase Engineering in $\text{SrRuO}_3/\text{SrIrO}_3/\text{SrTiO}_3$ Superlattices Induced by Band Structure Reconstruction. ACS Nano, 2021, 15, 5086-5095.	7.3	19
6	Superconductivity and High-Pressure Performance of 2D Mo_2C Crystals. Journal of Physical Chemistry Letters, 2021, 12, 2219-2225.	2.1	3
7	Chiral Helimagnetism and One-Dimensional Magnetic Solitons in a Cr-Intercalated Transition Metal Dichalcogenide. Advanced Materials, 2021, 33, e2101131.	11.1	40
8	Modulation of Weyl semimetal state in half-Heusler GdPtBi enabled by hydrostatic pressure. New Journal of Physics, 2021, 23, 083041.	1.2	1
9	Using Dipole Interaction to Achieve Nonvolatile Voltage Control of Magnetism in Multiferroic Heterostructures. Advanced Materials, 2021, 33, e2105902.	11.1	11
10	Magnetic memory driven by topological insulators. Nature Communications, 2021, 12, 6251.	5.8	67
11	Topological electronic state and anisotropic Fermi surface in half-Heusler GdPtBi. Journal of Physics Condensed Matter, 2020, 32, 355707.	0.7	5
12	Giant magnetoelectric effect in perpendicularly magnetized Pt/Co/Ta ultrathin films on a ferroelectric substrate. Materials Horizons, 2020, 7, 2328-2335.	6.4	12
13	Direct imaging of an inhomogeneous electric current distribution using the trajectory of magnetic half-skyrmions. Science Advances, 2020, 6, eaay1876.	4.7	20
14	Deformation of Néel-type skyrmions revealed by Lorentz transmission electron microscopy. Applied Physics Letters, 2020, 116, 142402.	1.5	13
15	Effect of surface roughness on the anomalous Hall effect in Fe thin films. Physical Review B, 2020, 101, .	1.1	12
16	Enhancement of critical current density in a superconducting NbSe_2 step junction. Nanoscale, 2020, 12, 12076-12082.	2.8	4
17	Fractal-Theory-Based Control of the Shape and Quality of CVD-Grown 2D Materials. Advanced Materials, 2019, 31, e1902431.	11.1	48
18	Competition between Electronic and Magnonic Spin Currents in Metallic Antiferromagnets. Physical Review Applied, 2019, 12, .	1.5	6

#	ARTICLE	IF	CITATIONS
19	Weak antilocalization effect and high-pressure transport properties of ScPdBi single crystal. Applied Physics Letters, 2019, 115, .	1.5	17
20	Anisotropic planar Hall effect in the type-II topological Weyl semimetal WTe_2 . Physical Review B, 2019, 100, .	4.1	46
21	Electric-Field-Enhanced Bulk Perpendicular Magnetic Anisotropy in $GdFe/Pb(Mg_{1/3}Nb_{2/3})_{0.7}Ti_{0.3}O_3$ Multiferroic Heterostructure. ACS Applied Materials & Interfaces, 2019, 11, 47091-47097.	4.0	7
22	Full voltage manipulation of the resistance of a magnetic tunnel junction. Science Advances, 2019, 5, eaay5141.	4.7	38
23	Ten States of Nonvolatile Memory through Engineering Ferromagnetic Remanent Magnetization. Advanced Functional Materials, 2019, 29, 1806460.	7.8	15
24	Giant nonvolatile manipulation of magnetoresistance in magnetic tunnel junctions by electric fields via magnetoelectric coupling. Nature Communications, 2019, 10, 243.	5.8	94
25	Critical behavior of intercalated quasi-van der Waals ferromagnet $F_0.26Ta_{0.9}S_2$. Physical Review Materials, 2019, 3, .	0.9	29
26	Direct writing of room temperature and zero field skyrmion lattices by a scanning local magnetic field. Applied Physics Letters, 2018, 112, .	1.5	68
27	Interfacial scattering effect on anisotropic magnetoresistance and anomalous Hall effect in Ta/Fe multilayers. AIP Advances, 2018, 8, 055813.	0.6	2
28	Creation of a thermally assisted skyrmion lattice in Pt/Co/Ta multilayer films. Applied Physics Letters, 2018, 113, .	1.5	38
29	Spin-momentum locking and spin-orbit torques in magnetic nano-heterojunctions composed of Weyl semimetal WTe_2 . Nature Communications, 2018, 9, 3990.	5.8	105
30	Highly-Sensitive Magnetic Tunnel Junction Based Flow Cytometer. , 2018, , .		1
31	Determination of chirality and density control of Néel-type skyrmions with in-plane magnetic field. Communications Physics, 2018, 1, .	2.0	48
32	Spin Filtering in Epitaxial Spinel Films with Nanoscale Phase Separation. ACS Nano, 2017, 11, 5011-5019.	7.3	24
33	Interfacial scattering effect on anomalous Hall effect in Ni/Au multilayers. Journal Physics D: Applied Physics, 2017, 50, 235002.	1.3	7
34	Temperature dependence of spin-orbit torques in Cu-Au alloys. Physical Review B, 2017, 95, .	1.1	39
35	Skew scattering dominated anomalous Hall effect in $Co(MgO)_{100\text{\AA}}$ granular thin films. Journal of Physics Condensed Matter, 2017, 29, 415802.	0.7	5
36	Evidence for topological type-II Weyl semimetal WTe_2 . Nature Communications, 2017, 8, 2150.	5.8	263

#	ARTICLE	IF	CITATIONS
37	Ultrathin Epitaxial Ferromagnetic Fe_2O_3 Layer as High Efficiency Spin Filtering Materials for Spintronics Device Based on Semiconductors. <i>Advanced Functional Materials</i> , 2016, 26, 5679-5689.	7.8	24
38	Mobility controlled linear magnetoresistance with 3D anisotropy in a layered graphene pallet. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 425005.	1.3	0