

Room-temperature magnetoresistance in an all-antiferromagnetic heterostructure

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Topological Hall Effect in Thin Films of an Antiferromagnetic Weyl Semimetal Integrated on Si. <i>ACS Applied Materials &amp; Interfaces</i> , 2023, 15, 7572-7577.	8.0	1
2	Room-temperature magnetoresistance in a single-layer composite film based on noncollinear antiferromagnetic Mn <sub>3</sub> Sn. <i>Applied Physics Letters</i> , 2023, 122, .	3.3	5
3	Terahertz Spin Current Pulses in Antiferromagnetic Oxide: The Role of Vacancy-induced Ferromagnetism. <i>Small Structures</i> , 0, .	12.0	0
4	Antiferromagnetic spintronics: towards high-density and ultrafast information technology. <i>Science Bulletin</i> , 2023, 68, 972-974.	9.0	2
5	Electrically controllable spin polarization in collinear antiferromagnetic junctions. <i>Journal Physics D: Applied Physics</i> , 2023, 56, 345301.	2.8	0
6	Current-controlled antiferromagnetic memory. <i>Nature Electronics</i> , 2023, 6, 407-408.	26.0	2
7	Néel Spin Currents in Antiferromagnets. <i>Physical Review Letters</i> , 2023, 130, .	7.8	11
8	Emergent weak antilocalization and wide-temperature-range electronic phase diagram in epitaxial RuO <sub>2</sub> thin film. <i>Journal of Physics Condensed Matter</i> , 2023, 35, 405603.	1.8	1
9	Tunneling magnetoresistance materials and devices for neuromorphic computing. <i>Materials Futures</i> , 2023, 2, 032302.	8.4	2
11	Giant spin-Hall and tunneling magnetoresistance effects based on a two-dimensional nonrelativistic antiferromagnetic metal. <i>Physical Review B</i> , 2023, 108, .	3.2	2
12	Assessing the stability of Kagome D019-Mn <sub>3</sub> Ga (0001) surfaces: A first-principles study. <i>Surfaces and Interfaces</i> , 2023, 41, 103167.	3.0	1
13	Simulations of magnetization reversal in FM/AFM bilayers with THz frequency pulses. <i>Scientific Reports</i> , 2023, 13, .	3.3	0
14	Field-free spin-orbit torque switching of an antiferromagnet with perpendicular Néel vector. <i>Journal of Applied Physics</i> , 2023, 133, .	2.5	0
15	Progress and Application Perspectives of Voltage-Controlled Magnetic Tunnel Junctions. <i>Advanced Materials Technologies</i> , 0, .	5.8	0
16	Recent progress in strong spin-orbit coupling van der Waals materials and their heterostructures for spintronic applications. , 2023, 6, 100060.		1
17	NiO thin film with an extremely high index $\overline{7} \overline{1} \overline{4}$ on r-plane sapphire substrate. <i>Emergent Materials</i> , 2023, 6, 1623-1630.	5.7	0
18	Interplay between altermagnetism and nonsymmorphic symmetries generating large anomalous Hall conductivity by semi-Dirac points induced anticrossings. <i>Physical Review B</i> , 2023, 108, .	3.2	5
19	Magnetization Switching in Atom-Thick Mo Engineered Exchange Bias-Based SOT-MRAM. <i>Spin</i> , 0, .	1.3	0

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20	The anomalous Hall effect controlled by residual epitaxial strain in antiferromagnetic Weyl semimetal Mn <sub>3</sub> Sn thin films grown by molecular beam epitaxy. <i>Results in Physics</i> , 2023, 52, 106803.	4.1	0
21	Underlying Mechanisms and Tunability of the Anomalous Hall Effect in NiCo <sub>2</sub> O <sub>4</sub> Films with Robust Perpendicular Magnetic Anisotropy. <i>Advanced Science</i> , 2023, 10, .	11.2	2
22	Current-Driven Switching of Néel Vector of an Antiferromagnetic Insulator Thin Film. <i>Advanced Electronic Materials</i> , 2023, 9, .	5.1	2
23	Semiconducting Transport in Pb <sub>10-x</sub> X <sub>x</sub> Cu <sub>2</sub> (PO <sub>4</sub> ) <sub>6</sub> Sintered from Pb <sub>2</sub> SO <sub>5</sub> and Cu <sub>3</sub> P. <i>Advanced Functional Materials</i> , 2023, 33, .	14.9	16
24	Tunneling Magnetoresistance in Noncollinear Antiferromagnetic Tunnel Junctions. , 2023, , .		0
25	Tunneling magnetoresistance in all-antiferromagnetic $\text{Mn}_{2\alpha} \text{Au}_{1-\alpha}$ layered structures. Physical Review B, 2023, 108, .		
26	Vector spin Seebeck effect and spin swapping effect in antiferromagnetic insulators with non-collinear spin structure. <i>APL Materials</i> , 2023, 11, .	5.1	1
28	Theoretical prediction of two-element two-dimensional layered structures and efficient doping engineering on carbon phosphide. <i>Journal of Materials Chemistry C</i> , 0, , .	5.5	0
29	Antiferromagnetic Films and Their Applications. <i>IEEE Access</i> , 2023, 11, 117443-117459.	4.2	0
30	Terahertz magnetic excitations in non-collinear antiferromagnetic Mn <sub>3</sub> Pt: Atomistic-scale dynamical simulations. <i>Journal of Magnetism and Magnetic Materials</i> , 2023, 588, 171393.	2.3	0
31	Crystalline and transport characteristics of ferrimagnetic and antiferromagnetic phases in Mn <sub>3</sub> Ga films. <i>APL Materials</i> , 2023, 11, .	5.1	1
32	Infrared imaging of magnetic octupole domains in non-collinear antiferromagnets. <i>National Science Review</i> , 0, , .	9.5	0
34	Manipulation of Spin-Orbit Torque in Tungsten Oxide/Manganite Heterostructure by Ionic Liquid Gating and Orbit Engineering. <i>ACS Nano</i> , 2023, 17, 23626-23636.	14.6	0
36	Prediction of giant tunneling magnetoresistance in Mn <sub>3</sub> Ga. Physical Review B, 2023, 108, .	3.2	0
37	Strain- and Temperature-Modulated Growth of Mn <sub>3</sub> Ga Films. <i>Journal of Electronic Materials</i> , 0, , .	2.2	0
38	Emerging Antiferromagnets for Spintronics. <i>Advanced Materials</i> , 2024, 36, .	21.0	0
39	Exploring the exchange bias of Gd and MnPt: A combined structural and magnetic investigation. <i>Thin Solid Films</i> , 2024, 790, 140211.	1.8	1
40	Role of topology in compensated magnetic systems. <i>APL Materials</i> , 2024, 12, .	5.1	1

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41	Effective electrical manipulation of a topological antiferromagnet by orbital torques. <i>Nature Communications</i> , 2024, 15, .		12.8	0
42	Magnetic-Field Response and Giant Electric-Field Modulation of Cu <sub>2</sub> S. <i>Nano Letters</i> , 2024, 24, 584-591.		9.1	0
43	Design and Assessment of Hybrid MTJ/CMOS Circuits for In-Memory-Computation. <i>Journal of Low Power Electronics and Applications</i> , 2024, 14, 3.		2.0	0
45	Review on spin-split antiferromagnetic spintronics. <i>Applied Physics Letters</i> , 2024, 124, .		3.3	0
46	Electrical 180° switching of Néel vector in spin-splitting antiferromagnet. <i>Science Advances</i> , 2024, 10, .		10.3	0
47	Anisotropy constant of antiferromagnetic Pt <sub>50</sub> Mn <sub>50</sub> . <i>Journal Physics D: Applied Physics</i> , 2024, 57, 185003.		2.8	0
48	A new noncollinear triangle antiferromagnetic phase in Mn <sub>3</sub> GaN by Cr doping. <i>Materials Today Physics</i> , 2024, 42, 101362.		6.0	0
49	Observation of plaid-like spin splitting in a noncoplanar antiferromagnet. <i>Nature</i> , 2024, 626, 523-528.		27.8	1
50	Magnetic dynamics of strained non-collinear antiferromagnet. <i>Journal of Applied Physics</i> , 2024, 135, .		2.5	0
51	Antiferromagnetic Cr-Mn alloys: Crystal structure, magnetic anisotropy, and exchange bias in magnetron-sputtered polycrystalline thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2024, 596, 171958.		2.3	0
52	Crystal-facet-oriented altermagnets for detecting ferromagnetic and antiferromagnetic states by giant tunneling magnetoresistance. <i>Physical Review Applied</i> , 2024, 21, .		3.8	0
53	Electrically Controlled All- <i>Antiferromagnetic Tunnel Junctions on Silicon with Large Room-<i>Temperature Magnetoresistance</i></i> . <i>Advanced Materials</i> , 0, , .		21.0	0
54	Impact of strain on the SOT-driven dynamics of thin film Mn <sub>3</sub> Sn. <i>Journal of Applied Physics</i> , 2024, 135, .		2.5	0