

Wenlin Peng

List of Publications by Year in descending order

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36
papers

407
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933447

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36
docs citations

36
times ranked

574
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress in Heusler-type magnetic shape memory alloys. <i>Rare Metals</i> , 2015, 34, 527-539.	7.1	67
2	Moiré impurities in twisted bilayer black phosphorus: Effects on the carrier mobility. <i>Physical Review B</i> , 2017, 96, .	3.2	55
3	Research progress in anisotropic magnetoresistance. <i>Rare Metals</i> , 2013, 32, 213-224.	7.1	31
4	Enhancement of the magnetic field sensitivity in Al ₂ O ₃ encapsulated NiFe films with anisotropic magnetoresistance. <i>Applied Physics Letters</i> , 2009, 94, 162506.	3.3	26
5	Magnetic Skyrmions in a Hall Balance with Interfacial Canted Magnetizations. <i>Advanced Materials</i> , 2020, 32, e1907452.	21.0	26
6	Anomalous Hall effect engineering via interface modification in Co/Pt multilayers. <i>Applied Physics Letters</i> , 2015, 107, 112404.	3.3	22
7	Mechanism of magnetoresistance ratio enhancement in MgO/NiFe/MgO heterostructure by rapid thermal annealing. <i>Applied Physics Letters</i> , 2012, 101, 072404.	3.3	21
8	The effect of strain induced by Ag underlayer on saturation magnetization of partially ordered Fe ₁₆ N ₂ thin films. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	16
9	Enhancement of spin-orbit torque via interfacial hydrogen and oxygen ion manipulation. <i>Applied Physics Letters</i> , 2019, 115, 092402.	3.3	15
10	Interface-engineered spin-dependent transport in perpendicular Co/Pt multilayers. <i>Applied Surface Science</i> , 2016, 387, 375-378.	6.1	11
11	Thermally stable anomalous Hall behavior in perpendicular Co/Pt multilayers sandwiched by HfO ₂ layers. <i>Applied Surface Science</i> , 2016, 360, 758-761.	6.1	10
12	Tunable damping-like and field-like spin-orbit-torque in Pt/Co/HfO ₂ films via interfacial charge transfer. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	9
13	Chemical reaction at ferromagnet/oxide interface and its influence on anomalous Hall effect. <i>Applied Physics Letters</i> , 2014, 105, 102401.	3.3	8
14	Progress in oxygen behaviors in two-dimensional thin films. <i>Rare Metals</i> , 2017, 36, 155-167.	7.1	8
15	Construction of high-performance magnetic sensor based on anisotropic magnetoresistance Ta/MgO/NiFe/MgO/Ta film. <i>Rare Metals</i> , 2021, 40, 2026-2032.	7.1	8
16	Effect of annealing on microstructure evolution in CoFeB/MgO/CoFeB heterostructures by positron annihilation. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	7
17	Synthesis and surface modification of cobalt nanoparticles and electromagnetic property of Co/PPy nanocomposites. <i>Rare Metals</i> , 2015, 34, 223-228.	7.1	7
18	Co/Pt multilayer-based pseudo spin valves with perpendicular magnetic anisotropy. <i>Rare Metals</i> , 2014, 33, 646-651.	7.1	6

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19	Oxygen atom diffusion-driven anomalous Hall behavior in Co/Pt multilayers. <i>Thin Solid Films</i> , 2015, 579, 123-126.	1.8	6
20	Enhancement of post-annealing stability in Co/Ni multilayers with perpendicular magnetic anisotropy by Au insertion layers. <i>Rare Metals</i> , 2016, 35, 779-783.	7.1	6
21	Effects of a NiFe/MgO interface on the thermoelectric transport behavior of spin-polarized electrons. <i>Materials Letters</i> , 2014, 137, 351-353.	2.6	5
22	The ultrasensitive anomalous Hall effect induced by interfacial oxygen atoms redistribution. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	5
23	Enhanced spin-orbit torque switching in perpendicular multilayers via interfacial oxygen tunability. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	5
24	Effects of interfacial roughness on the planar Hall effect in NiFe/Cu/IrMn multilayers. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 118, 505-509.	2.3	4
25	Multi-resistance state tuned by interfacial active Pt layer in a perpendicular Hall balance. <i>Applied Surface Science</i> , 2020, 521, 146475.	6.1	4
26	Influence on the transport behaviors of spin-polarized electrons exerted by MgO/NiFe and NiFe/MgO heterointerfaces. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 368, 59-63.	2.3	3
27	Tunable Giant Anomalous Hall Angle in Perpendicular Multilayers by Interfacial Orbital Hybridization. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 24751-24756.	8.0	3
28	Bulk defects induced coercivity modulation of Co thin film based on a Ta/Bi double buffer layer. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 500, 166388.	2.3	3
29	Enhanced soft magnetic properties in CoZrTa(B) thin film with improving amorphous structure via introducing B atoms. <i>AIP Advances</i> , 2020, 10, 065109.	1.3	3
30	Tuning the properties of an MgO layer for spin-polarized electron transport. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 116, 845-850.	2.3	2
31	Correlation between pass-through flux of cobalt target and microstructure and magnetic properties of sputtered thin films. <i>Rare Metals</i> , 2021, 40, 975-980.	7.1	2
32	Asymmetric magnetization reversal and its dual origin in Co/FeMn out-of-plane induced exchanged bias systems. <i>Physical Review B</i> , 2011, 84, .	3.2	1
33	Impact of interface manipulation of oxide on electrical transport properties and low-frequency noise in MgO/NiFe/MgO heterojunctions. <i>AIP Advances</i> , 2015, 5, 087139.	1.3	1
34	Tailoring perpendicular magnetic anisotropy in Co/Pt multilayers by interface doping with ultrathin Fe layer. <i>Rare Metals</i> , 2022, 41, 3823-3827.	7.1	1
35	Tunable perpendicular anisotropic magnetoresistance in CoO/Co/Pt heterostructures. <i>Rare Metals</i> , 2023, 42, 579-584.	7.1	0
36	Tunable anomalous Hall effect in multilayers induced by artificial interfacial scattering dots. <i>AIP Advances</i> , 2018, 8, 035206.	1.3	0