

Bo-Yao Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5002160/publications.pdf>

Version: 2024-02-01

22

papers

576

citations

840776

11

h-index

677142

22

g-index

22

all docs

22

docs citations

22

times ranked

1034

citing authors

#	ARTICLE	IF	CITATIONS
1	Antiferromagnet-induced perpendicular magnetic anisotropy in ferromagnetic Co/Fe films with strong in-plane magnetic anisotropy. <i>Physical Review B</i> , 2022, 105, .	3.2	5
2	Perpendicular magnetic anisotropy induced by NiMn-based antiferromagnetic films with in-plane spin orientations: Roles of interfacial and volume antiferromagnetic moments. <i>Physical Review B</i> , 2021, 104, .	3.2	5
3	Perpendicular magnetic anisotropy induced by $\text{Co}_{1-x}\text{Mn}_x$ atomic layers: Crucial role of interface structural order. <i>Physical Review B</i> , 2021, 104, .	3.2	5
4	Promoting exchange bias coupling in Fe/MgO(001) films by controlling interface oxide distribution. <i>Applied Surface Science</i> , 2020, 533, 147501.	6.1	3
5	Promoting control of antiferromagnet-induced perpendicular magnetic anisotropy in magnetic multilayers: Effects of applying in-plane magnetic supporting layers. <i>Applied Physics Express</i> , 2019, 12, 043004.	2.4	1
6	Hydrogenation-induced strengthening of exchange bias coupling in antiferromagnetic Pd-rich alloy films. <i>Journal of Alloys and Compounds</i> , 2018, 748, 223-229.	5.5	5
7	Effects of the antiferromagnetic spin structure on antiferromagnetically induced perpendicular magnetic anisotropy. <i>Physical Review B</i> , 2017, 96, .	3.2	11
8	Antiferromagnet-induced perpendicular magnetic anisotropy in ferromagnetic/antiferromagnetic/ferromagnetic trilayers. <i>Physical Review B</i> , 2016, 94, .	3.2	4
9	Nonlinear bandgap opening behavior of BN co-doped graphene. <i>Carbon</i> , 2016, 107, 857-864.	10.3	23
10	Hydrogen absorption-induced reversible change in magnetic properties of Co-Pd alloy films. <i>Journal of Alloys and Compounds</i> , 2016, 661, 20-26.	5.5	38
11	Crucial role of interlayer distance for antiferromagnet-induced perpendicular magnetic anisotropy. <i>Physical Review B</i> , 2015, 92, .	3.2	15
12	Hydrogen-mediated long-range magnetic ordering in Pd-rich alloy film. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	29
13	Probing magnetoelastic effects of ultrathin antiferromagnets via magnetic domain imaging in ferromagnetic-antiferromagnetic bilayers. <i>Physical Review B</i> , 2014, 90, .	3.2	7
14	Interfacial spectroscopic characterization of organic/ferromagnet hetero-junction of 3,4,9,10-perylene-teracarboxylic dianhydride-based organic spin valves. <i>Applied Physics Letters</i> , 2014, 104, 083301.	3.3	14
15	Enhanced perpendicular magnetic anisotropy in Fe/Mn bilayers by incorporating ultrathin ferromagnetic underlayer through magnetic proximity effect. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	16
16	Band Gap Engineering of Chemical Vapor Deposited Graphene by <i>in Situ</i> BN Doping. <i>ACS Nano</i> , 2013, 7, 1333-1341.	14.6	252
17	How Antiferromagnetism Drives the Magnetization of a Ferromagnetic Thin Film to Align Out of Plane. <i>Physical Review Letters</i> , 2013, 110, 117203.	7.8	41
18	Hydrogenation induced reversible modulation of perpendicular magnetic coercivity in Pd/Co/Pd films. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	42

#	ARTICLE		IF	CITATIONS
19	Layered antiferromagnetic spin structures of expanded face-centered-tetragonal Mn(001) as an origin of exchange bias coupling to the magnetic Co layer. Physical Review B, 2012, 85, .		3.2	17
20	Uniaxial magnetic anisotropy in Pd/Fe bilayers on Al ₂ O ₃ (0001) induced by oblique deposition. Journal of Applied Physics, 2012, 111, .		2.5	29
21	Extending the Control of Antiferromagnetic–Ferromagnetic Exchange Coupling on Perpendicular Magnetization into the Soft Magnetic Regime. Applied Physics Express, 2012, 5, 063008.		2.4	6
22	Enhanced exchange bias coupling in Fe _{1-x} Mn _x bilayer by reducing vertical lattice constants. Applied Physics Letters, 2007, 90, 052502.		3.3	10