

Bo-Yao Wang

List of Publications by Year in descending order

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840776

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22
times ranked

1034
citing authors

#	ARTICLE	IF	CITATIONS
1	Band Gap Engineering of Chemical Vapor Deposited Graphene by <i>in Situ</i> BN Doping. ACS Nano, 2013, 7, 1333-1341.	14.6	252
2	Hydrogenation induced reversible modulation of perpendicular magnetic coercivity in Pd/Co/Pd films. Applied Physics Letters, 2013, 102, .	3.3	42
3	How Antiferromagnetism Drives the Magnetization of a Ferromagnetic Thin Film to Align Out of Plane. Physical Review Letters, 2013, 110, 117203.	7.8	41
4	Hydrogen absorption-induced reversible change in magnetic properties of Co/Pd alloy films. Journal of Alloys and Compounds, 2016, 661, 20-26.	5.5	38
5	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
6	Hydrogen-mediated long-range magnetic ordering in Pd-rich alloy film. Applied Physics Letters, 2015, 106, .	3.3	29
7	Nonlinear bandgap opening behavior of BN co-doped graphene. Carbon, 2016, 107, 857-864.	10.3	23
8	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
9	Enhanced perpendicular magnetic anisotropy in Fe/Mn bilayers by incorporating ultrathin ferromagnetic underlayer through magnetic proximity effect. Applied Physics Letters, 2013, 103, .	3.3	16
10	Crucial role of interlayer distance for antiferromagnet-induced perpendicular magnetic anisotropy. Physical Review B, 2015, 92, .	3.2	15
11	Interfacial spectroscopic characterization of organic/ferromagnet hetero-junction of 3,4,9,10-perylene-teracarboxylic dianhydride-based organic spin valves. Applied Physics Letters, 2014, 104, 083301.	3.3	14
12	Effects of the antiferromagnetic spin structure on antiferromagnetically induced perpendicular magnetic anisotropy. Physical Review B, 2017, 96, .	3.2	11
13	Enhanced exchange bias coupling in Fe ^x /FeMn _{1-x} bilayer by reducing vertical lattice constants. Applied Physics Letters, 2007, 90, 052502.	3.3	10
14	Probing magnetoelastic effects of ultrathin antiferromagnets via magnetic domain imaging in ferromagnetic-antiferromagnetic bilayers. Physical Review B, 2014, 90, .	3.2	7
15	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
16	Hydrogenation-induced strengthening of exchange bias coupling in antiferromagnetic Pd-rich alloy films. Journal of Alloys and Compounds, 2018, 748, 223-229.	5.5	5
17	Perpendicular magnetic anisotropy induced by NiMn-based antiferromagnetic films with in-plane spin orientations: Roles of interfacial and volume antiferromagnetic moments. Physical Review B, 2021, 104, .	3.2	5
18	Antiferromagnet-induced perpendicular magnetic anisotropy in ferromagnetic Co/Fe films with strong in-plane magnetic anisotropy. Physical Review B, 2022, 105, .	3.2	5

