

Zhu Diao

List of Publications by Year in descending order

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30
papers

500
citations

687363

13
h-index

677142

22
g-index

30
all docs

30
docs citations

30
times ranked

799
citing authors

#	ARTICLE	IF	CITATIONS
1	Internalization of ferromagnetic nanowires by different living cells. Journal of Nanobiotechnology, 2006, 4, 9.	9.1	85
2	Torque-mixing magnetic resonance spectroscopy. Science, 2015, 350, 798-801.	12.6	37
3	Electrochemical noise analysis of the effects of a magnetic field on cathodic hydrogen evolution. Electrochemistry Communications, 2009, 11, 740-743.	4.7	35
4	Reduced low frequency noise in electron beam evaporated MgO magnetic tunnel junctions. Applied Physics Letters, 2010, 96, .	3.3	32
5	Influence of magnetic field on hydrogen reduction and co-reduction in the Cu/CuSO ₄ system. Electrochimica Acta, 2010, 55, 8664-8672.	5.2	31
6	1 / f noise in MgO double-barrier magnetic tunnel junctions. Applied Physics Letters, 2011, 98, .	3.3	29
7	Nanophotonic detection of side-coupled nanomechanical cantilevers. Applied Physics Letters, 2012, 100, .	3.3	24
8	High Contrast Thermal Conductivity Change in Ni ₂ MnIn Heusler Alloys near Room Temperature. Advanced Engineering Materials, 2019, 21, 1801342.	3.5	22
9	Magnetic Noise in Structured Hard Magnets. Physical Review Letters, 2010, 104, 047202.	7.8	20
10	Nanocalorimeter platform for in situ specific heat measurements and x-ray diffraction at low temperature. Review of Scientific Instruments, 2017, 88, 125108.	1.3	18
11	Thermo-mechanical sensitivity calibration of nanotorsional magnetometers. Journal of Applied Physics, 2012, 111, .	2.5	17
12	Magnetic Properties of Exchange-Biased $[Co/Pt]_m/n$ Multilayer With Perpendicular Magnetic Anisotropy. IEEE Transactions on Magnetics, 2010, 46, 1401-1404.	2.1	16
13	Stiction-free fabrication of lithographic nanostructures on resist-supported nanomechanical resonators. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2013, 31, .	1.2	15
14	Nanoscale dissipation and magnetoresistive noise in spin valves. Physical Review B, 2011, 84, .	3.2	13
15	Confocal Scanner for Highly Sensitive Photonic Transduction of Nanomechanical Resonators. Applied Physics Express, 2013, 6, 065202.	2.4	13
16	Ultralow Thermal Conductivity in Nanoporous Crystalline Fe ₃ O ₄ . Journal of Physical Chemistry C, 2021, 125, 6897-6908.	3.1	12
17	Local modification of magnetic anisotropy and ion milling of Co/Pt multilayers using a He ⁺ ion beam microscope. Journal Physics D: Applied Physics, 2013, 46, 195501.	2.8	11
18	Magneto-optic response of the metallic antiferromagnet $Fe_{2/3}Ni_{1/3}$ to ultrafast temperature excursions. Physical Review Materials, 2019, 3, .	2.4	9

#	ARTICLE	IF	CITATIONS
19	Wavelength-division multiplexing of nano-optomechanical doubly clamped beam systems. Optics Letters, 2015, 40, 1948.	3.3	8
20	Influence of growth and annealing conditions on low-frequency magnetic 1/f noise in MgO magnetic tunnel junctions. Journal of Applied Physics, 2012, 112, .	2.5	7
21	Single laser modulated drive and detection of a nano-optomechanical cantilever. AIP Advances, 2017, 7, .	1.3	7
22	Measurement of water vapor diffusion in nanoscale polymer films by frequency-domain probe beam deflection. Review of Scientific Instruments, 2018, 89, 104904.	1.3	7
23	Magnetocrystalline anisotropy of the easy-plane metallic antiferromagnet Mn_2As . Thermal transport through the magnetic martensitic transition in Mn_2As .	3.2	7
24	Thermal transport through the magnetic martensitic transition in Mn_2As . Mn_2As . Mn_2As .	2.1	7
25	Ph All-optical spin-wave control. Nature Photonics, 2012, 6, 643-645.	31.4	6
26	Vortex states in soft magnets in two and three dimensions. Journal of Magnetism and Magnetic Materials, 2010, 322, 1304-1306.	2.3	5
27	Integrated On-Chip Nano-Optomechanical Systems. International Journal of High Speed Electronics and Systems, 2017, 26, 1740005.	0.7	4
28	Microscale, bendable thermorefectance sensor for local measurements of the thermal effusivity of biological fluids and tissues. Review of Scientific Instruments, 2020, 91, 044903.	1.3	3
29	Single laser modulated drive and detection of a nano-optomechanical cantilever. , 2016, , .		0
30	Integrated On-Chip Nano-Optomechanical Systems. Selected Topics in Electornics and Systems, 2017, , 119-140.	0.2	0