

Sen Yang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Magnetic and Magnetostrictive Behaviors of Laves-Phase Rare-Earth ²⁺ Transition-Metal Compounds Tb ^{1-x} Dy _x Co _{1.95} . Materials, 2022, 15, 3884.	2.9	0
2	Giant exchange bias in micro-sized magnetic shape memory alloy particles. Journal Physics D: Applied Physics, 2021, 54, 045001.	2.8	3
3	Crystal structures and phase relationships in magnetostrictive Tb ^{1-x} Dy _x Co ₂ system. Journal of Physics Condensed Matter, 2020, 32, 135802.	1.8	4
4	Magnetocaloric effect in the vicinity of the magnetic phase transition in $\text{NdCo}_{1-x}\text{Dy}_x\text{Co}_2$ compounds. Physical Review B, 2020, 101, .	2.2	2
5	Local structure study on magnetostrictive material Tb ^{1-x} Dy _x Fe ₂ . Journal of Applied Physics, 2020, 127, .	2.5	7
6	Large exchange bias in magnetic shape memory alloys by tuning magnetic ground state and magnetic-field history. Science China Materials, 2020, 63, 1291-1299.	6.3	8
7	Magnetocaloric effect and critical exponent analysis around magnetic phase transition in NdCo ₂ compound. Journal Physics D: Applied Physics, 2020, 53, 345003.	2.8	11
8	Tuning the conductivity and magnetism of silicon coated multiferroic GaFeO ₃ nanoparticles. Journal of Sol-Gel Science and Technology, 2019, 92, 224-230.	2.4	4
9	Experimental Observation of van Hove Singularities in Quasi-1D MoO ₂ Nanotubes. Advanced Electronic Materials, 2019, 5, 1900005.	5.1	1
10	Sign-changed-magnetostriction effect of morphotropic phase boundary in pseudobinary $\text{DyCo}_{1-x}\text{Dy}_x\text{Fe}_2$ Laves compounds. Physical Review Materials, 2019, 3, .	2.7	1
11	Electric modulation of conduction in multiferroic Ni-doped GaFeO ₃ ceramics. Journal Physics D: Applied Physics, 2018, 51, 225002.	2.8	15
12	Anomalous magnetoelastic behaviour near morphotropic phase boundary in ferromagnetic Tb _{1-x} Nd _x Co ₂ system. Applied Physics Letters, 2016, 109, 052904.	3.3	6
13	In-situ studies of low-field large magnetostriction in Tb ^{1-x} Dy _x Fe ₂ compounds by synchrotron-based high-energy x-ray diffraction. Journal of Alloys and Compounds, 2016, 658, 372-376.	5.5	13
14	Morphotropic phase boundary and magnetoelastic behaviour in ferromagnetic Tb ^{1-x} Gd _x Fe ₂ system. Applied Physics Letters, 2015, 106, .	3.3	24
15	Phase diagram of morphotropic phase boundary on the magnetostriction of ferromagnetic Tb _{1-x} Gd _x Co ₂ system. Applied Physics Letters, 2015, 106, .	3.2	37
16	Low-field large magnetostriction in DyCo ₂ due to field-induced rearrangement of tetragonal variants. Applied Physics Letters, 2013, 103, 111903.	3.3	13
17	Monte Carlo simulation on the magnetization rotation near magnetic morphotropic phase boundary. Proceedings of SPIE, 2012, , .	0.8	1
18	Phase diagram of polar states in doped ferroelectric systems. Physical Review B, 2012, 86, .	3.2	52

#	ARTICLE	IF	CITATIONS
19	Microstructure at morphotropic phase boundary in Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ ceramic: Coexistence of nano-scaled {110}-type rhombohedral twin and {110}-type tetragonal twin. Journal of Applied Physics, 2012, 112, .	2.5	43
20	Evidence for ferromagnetic strain glass in Ni-Co-Mn-Ga Heusler alloy system. Applied Physics Letters, 2012, 101, 101913.	3.3	55
21	Modeling magnetic nanotubes using a chain of ellipsoid-rings approach. Journal of Applied Physics, 2012, 111, 063912.	2.5	6
22	The electrochemical properties of Al-Si-Ni alloys composed of nanocrystal and metallic glass for lithium-ion battery anodes. Journal of Solid State Electrochemistry, 2012, 16, 2159-2167.	2.5	12
23	Synthesis and cathodoluminescent properties of Y ₂ SiO ₅ :Tb ³⁺ phosphors prepared from uniform precursor. Journal of Luminescence, 2012, 132, 1122-1125.	3.1	21
24	Magnetodielectric effect in CoCr ₂ XFe _X O ₄ . Journal of Physics: Conference Series, 2011, 266, 012001.	0.4	7
25	Liquid phase separation of Cu-Cr alloys during the vacuum breakdown. Journal of Alloys and Compounds, 2011, 509, 7116-7120.	5.5	44
26	Nanoporous Ag prepared from the melt-spun Cu-Ag alloys. Solid State Sciences, 2011, 13, 1379-1384.	3.2	30
27	Synthesis of copper oxide nanostructures via a composite-Hydroxide-mediated approach: Morphology control and the electrochemical performances as anode material for lithium ion batteries. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 44, 506-510.	2.7	12
28	The electrochemical properties of melt-spun Al-Si-Cu alloys. Materials Chemistry and Physics, 2011, 129, 1006-1010.	4.0	14
29	Molten hydroxides synthesis of hierarchical cobalt oxide nanostructure and its application as anode material for lithium ion batteries. Electrochimica Acta, 2011, 56, 4876-4881.	5.2	41
30	A quantitative model for stabilization effect induced by ferroelectric aging. Journal of Applied Physics, 2011, 109, 124103.	2.5	7
31	Stress changed damping and associated transforming behavior in a Ti _{48.5} Ni _{51.5} strain glass. Applied Physics Letters, 2011, 99, .	3.3	16
32	Evolution of the relaxation spectrum during the strain glass transition of Ti _{48.5} Ni _{51.5} alloy. Acta Materialia, 2010, 58, 4723-4729.	7.9	25
33	Facile synthesis and electrochemical properties of porous SnO ₂ micro-tubes as anode material for lithium-ion battery. Materials Letters, 2010, 64, 921-923.	2.6	40
34	Improved microstructure and magnetic properties of iron-cobalt nanowire via an ac electrodeposition with a multistep voltage. Materials Letters, 2010, 64, 2465-2467.	2.6	15
35	MAGNETIC PROPERTIES OF FENI NANOWIRE ARRAYS ASSEMBLED ON POROUS AAO TEMPLATE BY AC ELECTRODEPOSITION. International Journal of Modern Physics B, 2010, 24, 2302-2307.	2.0	5
36	Large Magnetostriction from Morphotropic Phase Boundary in Ferromagnets. Physical Review Letters, 2010, 104, 197201.	7.8	148

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37	A new method detaching porous anodic alumina films from aluminum substrates. Journal of Electroceramics, 2008, 21, 791-794.	2.0	12
38	Evidence for first-order nature of the ferromagnetic transition in Ni, Fe, Co, and CoFe . Physical Review B, 2008, 78, .	3.2	29
39	A multistep ac electrodeposition method to prepare Co nanowires with high coercivity. Journal of Applied Physics, 2008, 104, 064304.	2.5	21
40	Noncubic crystallographic symmetry of a cubic ferromagnet: Simultaneous structural change at the ferromagnetic transition. Physical Review B, 2008, 77, .	3.2	67
41	Enhancement of the exchange coupling interaction of nanocomposite $\text{Nd}_2\text{Fe}_{14}\text{B}/\text{Fe}$ magnets by a small amount of Sm substitution for Nd. Journal of Alloys and Compounds, 2005, 394, 1-4.	5.5	13
42	Origin of abnormal multi-stage martensitic transformation behavior in aged Ni-rich Ti-Ni shape memory alloys. Acta Materialia, 2004, 52, 4351-4362.	7.9	233
43	Magnetic entropy change in $(\text{Gd}_{1-x}\text{Dy}_x)_5\text{Si}_4$ compounds. Journal of Alloys and Compounds, 2004, 372, 49-51.	5.5	12
44	Effect of Cu and Ti additions on the microstructures and magnetic properties of $\text{Nd}_8\text{Fe}_{86}\text{B}_6$ nanocomposite magnets. Journal of Magnetism and Magnetic Materials, 2003, 263, 134-140.	2.3	10
45	Effect of Cu and Cu-Ti additions on the microstructures and magnetic properties of $\text{Nd}_2\text{Fe}_{14}\text{B}/\text{Fe}$ nanocomposite magnets. Journal of Alloys and Compounds, 2003, 358, 316-320.	5.5	4
46	Influences of La^{3+} substitution on the structure and magnetic properties of M-type strontium ferrites. Journal of Magnetism and Magnetic Materials, 2002, 238, 207-214.	2.3	251
47	Magnetic properties and magnetocaloric effects in $(\text{Gd}_x\text{Dy}_{1-x})\text{Co}_2$ compounds. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 297, 247-252.	2.1	42