

Weibin Cui

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6843408/publications.pdf>

Version: 2024-02-01

64
papers

1,328
citations

471509

17
h-index

361022

35
g-index

64
all docs

64
docs citations

64
times ranked

1440
citing authors

#	ARTICLE	IF	CITATIONS
1	(Fe, Ni)/C nanocapsules for electromagnetic-wave-absorber in the whole Ku-band. Carbon, 2009, 47, 470-474.	10.3	316
2	Nd ₂ Fe ₁₄ B/FeCo Anisotropic Nanocomposite Films with a Large Maximum Energy Product. Advanced Materials, 2012, 24, 6530-6535.	21.0	150
3	Microstructure optimization to achieve high coercivity in anisotropic Nd-Fe-B thin films. Acta Materialia, 2011, 59, 7768-7775.	7.9	95
4	Spin-glass behavior and magnetocaloric effect in Tb-based bulk metallic glass. Journal of Magnetism and Magnetic Materials, 2009, 321, 413-417.	2.3	48
5	Fe ³⁺ -stabilized Ti ₃ C ₂ T MXene enables ultrastable Li-ion storage at low temperature. Journal of Materials Science and Technology, 2021, 67, 156-164.	10.7	41
6	Magnetic properties and enhanced magnetic refrigeration in (Mn ^{1-x} Fe ^x) ₅ Ge ₃ compounds. Journal of Applied Physics, 2007, 101, 123911.	2.5	38
7	The origin of large overestimation of the magnetic entropy changes calculated directly by Maxwell relation. Applied Physics Letters, 2010, 96, .	3.3	35
8	Hydrothermal Synthesis of Three-Dimensional Hierarchical CuO Butterfly-Like Architectures. European Journal of Inorganic Chemistry, 2009, 2009, 168-173.	2.0	34
9	Large cryogenic magnetocaloric effect of DyCo ₂ nanoparticles without encapsulation. Applied Physics Letters, 2008, 92, .	3.3	28
10	Microwave absorption properties of FCC-Co/Al ₂ O ₃ and FCC-Co/Y ₂ O ₃ nanocapsules. Solid State Communications, 2009, 149, 64-67.	1.9	28
11	Exchange bias and phase transformation in $\hat{\pm}$ -Fe ₂ O ₃ /Fe ₃ O ₄ nanocomposites. Journal of Alloys and Compounds, 2009, 475, 42-45.	5.5	26
12	Giant reversible magnetocaloric effect in cobalt hydroxide nanoparticles. Applied Physics Letters, 2008, 93, .	3.3	25
13	Magnetocaloric effects and reduced thermal hysteresis in Si-doped MnAs compounds. Journal of Alloys and Compounds, 2009, 479, 189-192.	5.5	25
14	Regulating Fe-O bond in Ti ₃ C ₂ T _x MXene anode for high-capacity Li-ion batteries. Chemical Engineering Journal, 2021, 422, 130018.	12.7	22
15	Novel W-based in-plane chemically ordered (W _{2/3} R _{1/3}) ₂ AlC (R = Gd, Tb, Dy, Ho, Er, Tm and Lu) MAX phases and their 2D W _{1.33} C MXene derivatives. Carbon, 2021, 183, 76-83.	10.3	20
16	Exchange bias in antiferromagnetic coupled Fe ₃ O ₄ +Cr ₂ O ₃ nanocomposites. Journal Physics D: Applied Physics, 2008, 41, 105005.	2.8	19
17	Temperature dependence of competition between interlayer and interfacial exchange couplings in ferromagnetic/antiferromagnetic/ferromagnetic trilayers. Applied Physics Letters, 2009, 95, .	3.3	18
18	Structural, magnetic properties of in-plane chemically ordered (Mo _{2/3} R) ₂ AlC (R = Gd, Tb, Dy, Ho, Er and) Tj ETQq0.0.0 rgBT /Qverlock 1	10.3	18

#	ARTICLE	IF	CITATIONS
19	Exchange bias and phase transformation in $\text{Fe}_2\text{O}_3/\text{NiO}$ nanocomposites. <i>Journal of Applied Physics</i> , 2008, 103, 103906.	2.5	17
20	Lattice distortion tuning of the metamagnetic phase transition in tetragonal Cu_2Sb -type $\text{Mn}_{1.95}\text{V}_{0.05}\text{Sb}$ alloy. <i>Scripta Materialia</i> , 2018, 143, 59-62.	5.2	17
21	Thickness dependence of the magnetic properties of high-coercive $\text{Pr}/\text{Fe}/\text{B}$ thin films with perpendicular magnetic anisotropy. <i>Physica B: Condensed Matter</i> , 2008, 403, 3631-3634.	2.7	16
22	Magnetic properties of $\text{Pr}/\text{Fe}/\text{B}/\text{Mn}$ films with perpendicular anisotropy. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 1068-1071.	2.3	16
23	The enhanced magnetocaloric effect in $\text{Dy}_2\text{In}_1-x\text{Al}$ by a non-hysteresis metamagnetic phase transition. <i>Scripta Materialia</i> , 2019, 167, 37-40.	5.2	16
24	Magnetic properties and spin-glass-like behavior in stoichiometric Mn_3In compound. <i>Journal of Applied Physics</i> , 2009, 106, .	2.5	15
25	Beneficial effect of minor Al substitution on the magnetocaloric effect of $\text{Mn}_{1-x}\text{Al}_x$ As. <i>Materials Letters</i> , 2009, 63, 595-597.	2.6	15
26	Cooling-field dependence of exchange bias in Mg-diluted $\text{Ni}_{1-x}\text{Mg}_x\text{O}/\text{Ni}$ granular systems. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 1943-1946.	2.3	15
27	Enhanced coercivity and grain boundary chemistry in diffusion-processed $\text{Ce}_{13}\text{Fe}_{79}\text{B}_8$ ribbons. <i>Materials Letters</i> , 2017, 191, 210-213.	2.6	15
28	Carbon-doping effects on the metamagnetic transition and magnetocaloric effect in MnAsC_x . <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 2223-2226.	2.3	14
29	Origins analysis of coercivity enhancement mechanism in diffusion-processed Nd-Fe-B magnets. <i>Journal of Alloys and Compounds</i> , 2016, 686, 101-105.	5.5	14
30	Enhanced magnetocaloric effects in $\text{Gd}_2\text{In}_{1-x}\text{Al}_x$ ($0.4 \leq x \leq 1$) system by the hysteresis-free metamagnetism. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 524, 167648.	2.3	13
31	Structure, magnetic properties and coercivity mechanism of the Mo-spacered $\text{Nd}_{2-x}\text{Fe}_{14-x}\text{B}/\text{Fe}$ textured multilayer films. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 245007.	2.8	12
32	Microstructure and magnetic properties of FePt/TiC granular thin films for perpendicular recording. <i>Solid State Communications</i> , 2014, 182, 17-21.	1.9	12
33	Structure and magnetic properties of high coercive $[\text{PrFeB}/\text{Cu}]$ films with out-of-plane orientation. <i>Materials Letters</i> , 2009, 63, 1866-1868.	2.6	11
34	Enhanced magnetocaloric effects in hetero-structural alloyed $\text{Er}_2\text{In}_{1-x}\text{Al}_x$ ($0 \leq x \leq 0.4$) system by novel nonhysteretic metamagnetism. <i>Scripta Materialia</i> , 2021, 194, 113649.	5.2	11
35	Enhanced coercivity in $\text{Nd}/\text{Fe}/\text{C}$ alloys prepared by a re-milling process. <i>Journal of Alloys and Compounds</i> , 2007, 436, 392-395.	5.5	10
36	Pronounced effects of high-magnetic-field solidification on metamagnetic transition in tetragonal Cu_2Sb -type $\text{Mn}_{1.8}\text{Cu}_{0.2}\text{Sb}$ alloy. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 442, 67-71.	2.3	10

#	ARTICLE	IF	CITATIONS
37	Synthesis and characterizations of solid-solution i-MAX phase (W _{1/3} Mo _{1/3} R _{1/3}) ₂ AlC (R = Gd, Tb, Dy, Ho,) Tj ETQq1 1 0.784314 rgBT / Overl 213, 114596.	5.2	9
38	Unveiling the SEI layer formed on pillar-structured MXene anode towards enhanced Li-ion storage. Scripta Materialia, 2021, 202, 113988.	5.2	8
39	Interstitial effects of B addition on the metamagnetic transition and magnetocaloric effect in tetragonal Cu ₂ Sb-type Mn _{1.95} Cu _{0.05} Sb alloys. Intermetallics, 2017, 90, 50-53.	3.9	7
40	Coercivity enhancement and microstructural optimization in diffusion-processed Ce-Nd-Fe-B-based films. Thin Solid Films, 2018, 645, 1-4.	1.8	7
41	Growth mechanism and magnetic properties for the out-of-plane-oriented Nd-Fe-B films. Journal of Materials Research, 2009, 24, 2802-2812.	2.6	6
42	Ordering temperature of L10-type FePt films reduced by CuO addition. Journal of Magnetism and Magnetic Materials, 2010, 322, 2027-2030.	2.3	5
43	Ultrahigh coercivity and core-shell microstructure achieved in oriented Nd-Fe-B thin films diffusion-processed with Dy-based alloys. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	5
44	Interstitial effects of B and Li on the magnetic phase transition and magnetocaloric effects in Gd ₂ In alloy. AIP Advances, 2018, 8, 056406.	1.3	5
45	Effects of B4C Addition on the Microstructure and Magnetic Properties of FePt-C Granular Thin Films for Perpendicular Magnetic Recording. IEEE Transactions on Magnetics, 2017, 53, 1-5.	2.1	4
46	The effects of Ge occupation and hydrostatic pressure on the metamagnetic phase transition and magnetocaloric effect in Mn ₂ Sb alloy. AIP Advances, 2019, 9, 035106.	1.3	4
47	The crystal structure, magnetic phase transition and magnetocaloric effect in R ₅ CoSb ₂ (R = Pr, Nd,) Tj ETQq1 1 0.784314 rgBT / Overl 3.9	3.9	4
48	Effect of Co and Dy substitutions on the structure and magnetic properties of Nd-Fe-C alloys prepared by a re-milling process. Journal of Alloys and Compounds, 2009, 468, L33-L36.	5.5	3
49	Microstructure evolution and coercivity enhancement in Nd-Fe-B thin films diffusion-processed by R-Al alloys (R=Nd, Pr). AIP Advances, 2018, 8, 056202.	1.3	3
50	Large Negative Thermal Expansion and Magnetoelastic Coupling in Metamagnetic Tetragonal (Mn, T) ₂ Sb (T = Cr, V) Alloys. Journal of Superconductivity and Novel Magnetism, 2020, 33, 2551-2555.	1.8	3
51	Magnetic Properties and Microstructures of Fe-Doped (Ti _{1-x} Fe _x) ₃ AlC ₂ MAX Phase and Their MXene Derivatives. Journal of Superconductivity and Novel Magnetism, 2021, 34, 1477-1483.	1.8	3
52	Nonhysteretic metamagnetic phase transition in Ho ₂ In _{1-x} Al _x (0 ≤ x ≤ 0.4) by hetero-structural alloying. Journal of Magnetism and Magnetic Materials, 2021, 538, 168305.	2.3	3
53	Phase formation and magnetic properties of Nd ₂ Fe ₁₄ B-type Nd ₁₆ Co ₇₆ B ₈ ~ _x C _x alloys and their hydrides. Physica B: Condensed Matter, 2007, 400, 273-277.	2.7	2
54	High coercivity and squareness realized in polycrystalline AlN-buffered Cu-doped Sm-Co thin films with perpendicular anisotropy. Journal of Alloys and Compounds, 2017, 729, 533-537.	5.5	2

#	ARTICLE	IF	CITATIONS
55	Enhanced coercivity thermal stability realized in Nd ²⁺ Fe ²⁺ B thin films diffusion-processed by Nd ²⁺ Co alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 426, 550-553.	2.3	2
56	Magnetic transition and magnetocaloric effect of Gd ₄ Sb _{3-x} R _x (R=Si, Ge, Sn, 0 ≤ x ≤ 0.75) compounds. <i>AIP Advances</i> , 2019, 9, 035206.	1.3	2
57	Interstitial Effects on the Magnetic Phase Transition and Magnetocaloric Effects in (Hf, Ta)Fe ₂ Kagome Phase. <i>Journal of Superconductivity and Novel Magnetism</i> , 2020, 33, 3211-3215.	1.8	2
58	Manipulating the magnetic properties and interphase coupling in FePt/Pt/Fe multilayer films by Pt spacer layer. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 495001.	2.8	1
59	Distinct magnetic responses under hydrostatic pressure in Mn-Ga phase with variant crystallographic structure. <i>Intermetallics</i> , 2018, 102, 72-77.	3.9	1
60	Pressure-enhanced magnetocaloric effects in Mn ₂ Sb _{1-x} Sn _x system with uniaxial magnetocrystalline anisotropy. <i>Journal of Alloys and Compounds</i> , 2018, 769, 250-256.	5.5	1
61	Magnetic transition and magnetocaloric effect of R ₅ (Si, Sn) ₃ (R = Pr, Nd) alloys. <i>Solid State Communications</i> , 2022, 342, 114593.	1.9	1
62	Quasilogarithmic magnetic viscosity in perpendicularly anisotropic Nd ²⁺ Fe ²⁺ B films. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 2854-2857.	2.3	0
63	The Effects of Ga Substitution on Magnetocaloric Effects of the R ₂ Al _{1-x} Ga _x (R = Gd, Er) phases. <i>Journal of Superconductivity and Novel Magnetism</i> , 2021, 34, 2977-2982.	1.8	0
64	Magnetostriction and heat-capacity study on the metamagnetic phase transition of Dy ₂ In _{1-x} Al _x alloys. <i>AIP Advances</i> , 2022, 12, 035236.	1.3	0