

Nh Duc

List of Publications by Year in descending order

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46
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1,025
citations

430442

18
h-index

414034

32
g-index

46
all docs

46
docs citations

46
times ranked

799
citing authors

#	ARTICLE	IF	CITATIONS
1	Metamagnetism, giant magnetoresistance and magnetocaloric effects in RCo ₂ -based compounds in the vicinity of the Curie temperature. <i>Physica B: Condensed Matter</i> , 2002, 319, 1-8.	1.3	177
2	Exchange interactions in rare earth- ^{3d} transition metal compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 1993, 124, 305-311.	1.0	86
3	The magnetic behaviour of rare-earth- ^{3d} transition metal compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 1992, 104-107, 1252-1256.	1.0	78
4	Magnetic sensors based on piezoelectric- ^{3d} magnetostrictive composites. <i>Journal of Alloys and Compounds</i> , 2008, 449, 214-218.	2.8	68
5	Structural and magnetic properties of starch-coated magnetite nanoparticles. <i>Journal of Experimental Nanoscience</i> , 2009, 4, 259-267.	1.3	68
6	Magnetoelectric sensor for microtesla magnetic-fields based on (Fe ₈₀ Co ₂₀) ₇₈ Si ₁₂ B ₁₀ /PZT laminates. <i>Sensors and Actuators A: Physical</i> , 2009, 149, 229-232.	2.0	48
7	Magnetic phase transitions in (Nd, Dy)Co ₂ and (Pr, Dy)Co ₂ compounds. <i>Physica B: Condensed Matter</i> , 1993, 191, 239-247.	1.3	39
8	Geomagnetic sensors based on Metglas/PZT laminates. <i>Sensors and Actuators A: Physical</i> , 2012, 179, 78-82.	2.0	38
9	Effects of 3d-p hybridization on intersublattice exchange interactions in R _{1-x} Co _{1-x} B compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 1995, 151, L13-L18.	1.0	33
10	Magnetization and AC susceptibility of Tb _x Y _{1-x} Co ₂ compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 1983, 39, 275-278.	1.0	32
11	Mössbauer spectroscopic evaluation of chemical and electronic distributions in La(Fe _{0.81} Si _{0.19}) ₁₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 269, 404-409.	1.0	31
12	Detection of magnetic nanoparticles using simple AMR sensors in Wheatstone bridge. <i>Journal of Science: Advanced Materials and Devices</i> , 2016, 1, 98-102.	1.5	30
13	The magnetic phase transitions in (Tb, Ho)Co ₂ and (Tb, Y)Co ₂ compounds. <i>Physica B: Condensed Matter</i> , 1989, 160, 199-203.	1.3	25
14	The magnetic phase transitions in R(Co, Al) ₂ compounds (R: Dy, Ho, Er). <i>Physica B: Condensed Matter</i> , 1992, 176, 232-238.	1.3	23
15	Co magnetism and related phenomena in the Er(Co _{1-x} Si _x) ₂ compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 1998, 182, 143-151.	1.0	20
16	Development of giant low-field magnetostriction in a-Terfenol-D-based single layer, multilayer and sandwich films. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 242-245, 1411-1417.	1.0	20
17	The magnetovolume properties of Y(Co _{1-x} Al _x) ₂ compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 1993, 125, 323-329.	1.0	18
18	Enhancement of the Magnetic Flux in Metglas/PZT-Magnetoelectric Integrated 2D Geomagnetic Device. <i>Journal of Magnetism</i> , 2012, 17, 308-315.	0.2	18

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19	Magnetic properties of the $\text{Er}(\text{Co}_{1-x}\text{Cu}_x)_2$ and $\text{Y}(\text{Co}_{1-x}\text{Cu}_x)_2$ compounds. <i>Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics</i> , 1988, 149, 352-360.	0.9	16
20	Magnetic coupling in the Gd-T intermetallics (T-Fe, Co). <i>Journal of Magnetism and Magnetic Materials</i> , 1992, 104-107, 1344-1346.	1.0	16
21	Exchange interactions in amorphous Gd-Co alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 1996, 157-158, 169-170.	1.0	15
22	Magnetism and related phenomena in $\text{RE}(\text{Co}_{1-x}\text{Six})_2$ compounds. <i>Journal of Alloys and Compounds</i> , 1997, 262-263, 141-146.	2.8	13
23	Exchange interactions in amorphous Gd-Fe alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 1998, 185, 105-108.	1.0	12
24	Magnetic study of nanocrystalline iron particles in alumina matrix. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 262, 368-373.	1.0	11
25	Sensitivity Dependence of the Planar Hall Effect Sensor on the Free Layer of the Spin-Valve Structure. <i>IEEE Transactions on Magnetics</i> , 2009, 45, 2374-2377.	1.2	11
26	Novel exchange-spring configuration for excellent magnetic and magnetostrictive softness. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 290-291, 800-803.	1.0	10
27	Magnetisation process and magnetostriction in Fe/TerfecoHan/Fe sandwich films with perpendicular magnetic anisotropy. <i>Physica B: Condensed Matter</i> , 2003, 327, 328-333.	1.3	9
28	Role of the early transition elements on the intersublattice exchange coupling in the rare-earth-iron intermetallics. <i>Journal of Magnetism and Magnetic Materials</i> , 1998, 177-181, 1107-1108.	1.0	8
29	A Mössbauer study of the spin reorientation transition in $\text{DyFe}_{11}\text{Mo}$. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 262, 452-457.	1.0	7
30	Meander anisotropic magnetoresistance bridge geomagnetic sensors. <i>Journal of Science: Advanced Materials and Devices</i> , 2019, 4, 327-332.	1.5	7
31	Magnetic and Mössbauer studies of the $\text{DyFe}_{11}\text{Mo}$ compound. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 237, 10-16.	1.0	6
32	Evolution of magnetism in $\text{Ho}(\text{Co}_{1-x}\text{Six})_2$ compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 1998, 177-181, 597-598.	1.0	5
33	Effects of Al substitution on intersublattice-exchange interaction in $\text{GdCo}_{5-x}\text{Al}_x$. <i>Journal of Magnetism and Magnetic Materials</i> , 1998, 177-181, 819-820.	1.0	5
34	Excellent magnetic softness in magnetostrictive TbFeCo/YFe multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 242-245, 1425-1427.	1.0	4
35	Nanostructure and magnetization reversal process in $\text{TbFeCo}/\text{Y}(\text{FeCo})_{1-x}$ spring-magnet type multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 282, 44-48.	1.0	4
36	Nanostructure and magnetic properties of $\text{Fe}_{0.56}\text{Cu}_{0.44}$ films. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 262, 420-426.	1.0	3

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37	Magnetisation and magnetostriction in Fe/Terfecohan/Fe sandwich films with an extended domain wall formation. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1597-E1599.	1.0	3
38	Microstructure and magnetic studies of magnetostrictive Terfecohan/YFeCo multilayers. Journal of Magnetism and Magnetic Materials, 2003, 262, 361-367.	1.0	2
39	Structural, magnetostriction and Mössbauer studies of Fe/Tb(Fe _{0.55} Co _{0.45}) _{1.5} /Fe sandwich films. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 2086-2087.	1.0	2
40	Magnetic properties of Tb ^{1+Y} (Co _{0.85} Si _{0.15}) ₂ compounds. Journal of Magnetism and Magnetic Materials, 2003, 262, 472-478.	1.0	1
41	High-field magnetization process in novel TbFeCo/YFeCo magnetostrictive spring magnet type multilayers. Journal of Alloys and Compounds, 2006, 408-412, 37-42.	2.8	1
42	Longitudinal Hall effect in Terfecohan thin films with perpendicular magnetic anisotropy. Journal of Magnetism and Magnetic Materials, 2007, 316, e269-e272.	1.0	1
43	Magnetization and magnetostriction process in spring-magnet TbFeCo/Fe multilayers with variable TbFeCo thickness. Journal of Magnetism and Magnetic Materials, 2007, 316, 379-382.	1.0	1
44	Intersublattice exchange coupling in rare earth-iron-based R-Fe-LT intermetallics (LT=light transition) Tj ETQq0,0,0 rgBT /Overlock 1	1.3	0
45	Discontinuous spring magnet-type magnetostrictive Terfecohan/YFeCo multilayers: A novel nanostructured material principle for excellent magnetic softness. Journal of Magnetism and Magnetic Materials, 2007, 310, 2459-2465.	1.0	0
46	Magnetic and Mossbauer Studies of Perpendicular Magnetic Anisotropy in Nanocrystalline Gd-Fe Films. Transactions of the Magnetism Society of Japan, 2002, 2, 202-204.	0.5	0