Antonio Hernando Esteban

List of Publications by Year
in descending order

656	18,611	20759 60	22764 112
papers	citations	h-index	g-index

672	672	672	12673
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recommender systems survey. Knowledge-Based Systems, 2013, 46, 109-132.	4.0	2,343
2	Permanent Magnetism, Magnetic Anisotropy, and Hysteresis of Thiol-Capped Gold Nanoparticles. Physical Review Letters, 2004, 93, 087204.	2.9	513
3	Magnetic Properties of ZnO Nanoparticles. Nano Letters, 2007, 7, 1489-1494.	4.5	404
4	A collaborative filtering approach to mitigate the new user cold start problem. Knowledge-Based Systems, 2012, 26, 225-238.	4.0	378
5	A soft magnetic wire for sensor applications. Journal Physics D: Applied Physics, 1996, 29, 939-949.	1.3	368
6	Study of Heating Efficiency as a Function of Concentration, Size, and Applied Field in Î³-Fe₂O₃ Nanoparticles. Journal of Physical Chemistry C, 2012, 116, 25602-25610.	1.5	253
7	A non negative matrix factorization for collaborative filtering recommender systems based on a Bayesian probabilistic model. Knowledge-Based Systems, 2016, 97, 188-202.	4.0	234
8	Analysis of the dependence of spin-spin correlations on the thermal treatment of nanocrystalline materials. Physical Review B, 1995, 51, 3581-3586.	1.1	226
9	Collaborative filtering adapted to recommender systems of e-learning. Knowledge-Based Systems, 2009, 22, 261-265.	4.0	217
10	Interface Double-Exchange Ferromagnetism in the Mn-Zn-O System: New Class of Biphase Magnetism. Physical Review Letters, 2005, 94, 217206.	2.9	212
11	Exchange interactions through amorphous paramagnetic layers in ferromagnetic nanocrystals. Physical Review B, 1994, 49, 7064-7067.	1.1	206
12	Giant magnetoâ€impedance effect in nanostructured magnetic wires. Journal of Applied Physics, 1996, 79, 1646-1654.	1.1	191
13	Improving collaborative filtering recommender system results and performance using genetic algorithms. Knowledge-Based Systems, 2011, 24, 1310-1316.	4.0	184
14	Ferromagnetism in fcc Twinned 2.4Ânm Size Pd Nanoparticles. Physical Review Letters, 2003, 91, 237203.	2.9	172
15	Iron exchange-field penetration into the amorphous interphase of nanocrystalline materials. Physical Review B, 1995, 51, 3281-3284.	1.1	151
16	Temperature, stress, and structural-relaxation dependence of the magnetostriction in (Co0.94/BFe0.06)75/BSi15B10glasses. Physical Review B, 1987, 35, 5066-5071.	1.1	148
17	Magnetoimpedance of metallic ferromagnetic wires. Physical Review B, 1998, 57, 10699-10704.	1.1	141
18	Colloidal Synthesis and Characterization of Tetrapod-Shaped Magnetic Nanocrystals. Nano Letters, 2006, 6, 1966-1972.	4.5	140

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19	Origin of Orbital Ferromagnetism and Giant Magnetic Anisotropy at the Nanoscale. Physical Review Letters, 2006, 96, 057206.	2.9	139
20	Disordered Magnetism at the Grain Boundary of Pure Nanocrystalline Iron. Physical Review Letters, 1999, 83, 2829-2832.	2.9	135
21	A collaborative filtering similarity measure based on singularities. Information Processing and Management, 2012, 48, 204-217.	5.4	134
22	Recommending items to group of users using Matrix Factorization based Collaborative Filtering. Information Sciences, 2016, 345, 313-324.	4.0	128
23	Near-neighbor mixing and bond dilation in mechanically alloyed Cu-Fe. Physical Review B, 1996, 54, 6929-6940.	1.1	124
24	Induced magnetic anisotropy and change of the magnetostriction by current annealing in Co-based amorphous alloys. Journal of Magnetism and Magnetic Materials, 1986, 53, 323-329.	1.0	119
25	Giant magnetoimpedance in nonmagnetostrictive amorphous wires. Physical Review B, 1994, 50, 16737-16740.	1.1	117
26	Hysteresis shift in Fe-filled carbon nanotubes due to Î³-Fe. Physical Review B, 2002, 65, .	1.1	114
27	Integration of biomaterials implanted into abdominal wall: process of scar formation and macrophage response. Biomaterials, 1995, 16, 381-387.	5.7	110
28	Soft to hard magnetic anisotropy in nanostructured magnets. Physical Review B, 1998, 58, 5193-5196.	1.1	109
29	Collaborative filtering based on significances. Information Sciences, 2012, 185, 1-17.	4.0	109
30	Metallic glasses and sensing applications. Journal of Physics E: Scientific Instruments, 1988, 21, 1129-1139.	0.7	107
31	Surface plasmon resonance of capped Au nanoparticles. Physical Review B, 2005, 72, .	1.1	106
32	Distribution of the magnetic anisotropy in amorphous alloys ribbons. IEEE Transactions on Magnetics, 1989, 25, 3330-3332.	1.2	99
33	Grain-boundary structure and magnetic behavior in nanocrystalline ball-milled iron. Physical Review B, 1997, 56, 8894-8901.	1.1	96
34	A framework for collaborative filtering recommender systems. Expert Systems With Applications, 2011, 38, 14609-14623.	4.4	96
35	Thermal dependence of coercivity in soft magnetic nanocrystals. Physical Review B, 1998, 58, 366-370.	1.1	95
36	Magnetic behavior of metastable fcc Fe-Cu after thermal treatments. Physical Review B, 1993, 48, 7134-7139.	1.1	91

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37	Magnetic properties and spin disorder in nanocrystalline materials. Journal of Physics Condensed Matter, 1999, 11, 9455-9482.	0.7	91
38	Evidence of spin disorder at the surfaceâ€“core interface of oxygen passivated Fe nanoparticles. Journal of Applied Physics, 1998, 84, 2189-2192.	1.1	86
39	Magnetic Capsules for NMR Imaging: Effect of Magnetic Nanoparticles Spatial Distribution and Aggregation. Journal of Physical Chemistry C, 2011, 115, 6257-6264.	1.5	83
40	Magnetic bistability of amorphous wires and sensor applications. IEEE Transactions on Magnetics, 1994, 30, 907-912.	1.2	82
41	Influence of magnetization on the reordering of nanostructured ball-milled Fe-40 at. % Al powders. Physical Review B, 1998, 58, R11864-R11867.	1.1	82
42	Influence of order-disorder effects on the magnetic and optical properties of NiFe2O4 nanoparticles. Ceramics International, 2018, 44, 17290-17297.	2.3	81
43	Propagating domain wall shape and dynamics in iron-rich amorphous wires. IEEE Transactions on Magnetics, 1995, 31, 781-790.	1.2	78
44	Immunochemical determination of gluten in malts and beers. Food Additives and Contaminants, 2006, 23, 1074-1078.	2.0	77
45	Interplay between the magnetic anisotropy contributions of cobalt nanowires. Physical Review B, 2009, 80, .	1.1	72
46	A highâ€performance hysteresis loop tracer. Journal of Applied Physics, 1993, 73, 6855-6857.	1.1	71
47	Structural and magnetic properties of nanocrystallineFe73.5â^'xCoxSi13.5B9CuNb3alloys. Physical Review B, 2001, 65, .	1.1	71
48	Giant magnetic anisotropy at the nanoscale: Overcoming the superparamagnetic limit. Physical Review B, 2006, 74, .	1.1	71
49	Modification of the saturation magnetostriction constant after thermal treatments for the Co 58 Fe 5 Ni 10 B 16 Si 11 amorphous ribbon. Journal of Magnetism and Magnetic Materials, 1983, 37, 161-166.	1.0	69
50	Magnetic properties of amorphous and devitrified FeSiBCuNb glass-coated microwires. Scripta Materialia, 1996, 7, 823-834.	0.5	67
51	Magnetic interactions in Fe-Zr-B-Cu nanocrystalline materials at elevated temperatures. Physical Review B, 1994, 50, 6465-6467.	1.1	66
52	Invar effect in fcc-FeCusolid solutions. Physical Review B, 2004, 69, .	1.1	65
53	Stress-induced large Curie temperature enhancement in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Fe</mml:mtext></mml:mrow><mml:mrow><mml:mn>64</mml:mn></mml:mrow> alloy. Physical Review B, 2009, 80, .	1.1	65
54	Magneto-impedance in glass-coated CoMnSiB amorphous microwires. IEEE Transactions on Magnetics, 1998, 34, 724-728.	1.2	64

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55	Magnetic properties of Fe-based glass-coated microwires. Journal of Magnetism and Magnetic Materials, 1997, 170, 323-330.	1.0	63
56	Nanostructure and magnetic properties of the MnZnO system, a room temperature magnetic semiconductor?. Nanotechnology, 2005, 16, 214-218.	1.3	63
57	Magnetic and microstructural analysis of palladium nanoparticles with different capping systems. Physical Review B, 2006, 73, .	1.1	63
58	Improving the magnetic heating by disaggregating nanoparticles. Journal of Alloys and Compounds, 2016, 663, 636-644.	2.8	61
59	On the Role of Intergranular Exchange Coupling in the Magnetization Process of Permanent-Magnet Materials. Europhysics Letters, 1992, 20, 175-180.	0.7	60
60	Macrophage Response to Experimental Implantation of Polypropylene Prostheses. European Surgical Research, 1994, 26, 46-53.	0.6	60
61	MÃ¶ssbauer Study of Iron-Containing Carbon Nanotubes. Hyperfine Interactions, 2002, 139/140, 535-542.	0.2	60
62	Experiments concerning the origin of stress anneal induced magnetic anisotropy in metallic glass ribbons. Journal of Magnetism and Magnetic Materials, 1985, 46, 341-349.	1.0	58
63	Electromagnetic Wave Absorbing Material Based on Magnetic Microwires. IEEE Transactions on Magnetics, 2008, 44, 3934-3937.	1.2	58
64	Applications of amorphous and nanocrystalline magnetic materials. Journal of Magnetism and Magnetic Materials, 2000, 215-216, 729-734.	1.0	57
65	Fe Impurities Weaken the Ferromagnetic Behavior in Au Nanoparticles. Physical Review Letters, 2006, 97, 177203.	2.9	56
66	Recommender Systems Clustering Using Bayesian Non Negative Matrix Factorization. IEEE Access, 2018, 6, 3549-3564.	2.6	56
67	Magnetically Ordered fcc Structure at the Relaxed Grain Boundaries of Pure Nanocrystalline Fe. Physical Review Letters, 1998, 81, 4500-4503.	2.9	55
68	Surface plasmon resonance and magnetism of thiol-capped gold nanoparticles. Nanotechnology, 2008, 19, 175701.	1.3	55
69	Pegylated interferon Â2a plus ribavirin versus pegylated interferon Â2b plus ribavirin for the treatment of chronic hepatitis C in HIV-infected patients. Journal of Antimicrobial Chemotherapy, 2009, 63, 1256-1263.	1.3	54
70	Magnetic anisotropy in (Fe, Co)75Si15B10 and (Fe0.11Co0.89)72Mo3Si15B10 metallic glass ribbons, induced by constant stress and constant strain annealing. Journal of Magnetism and Magnetic Materials, 1983, 36, 73-80.	1.0	53
71	Torsion dependence of the magnetization process in magnetostrictive amorphous wire. Journal of Magnetism and Magnetic Materials, 1991, 96, 321-328.	1.0	53
72	Ferromagnetism in bulk Co-Zn-O. Journal of Applied Physics, 2006, 100, 113909.	1.1	53

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73	Incorporating reliability measurements into the predictions of a recommender system. Information Sciences, 2013, 218, 1-16.	4.0	53
74	Room-Temperature Ferromagnetism in Reduced Rutile TiO_{2â^'Î´} Nanoparticles. Journal of Physical Chemistry Letters, 2013, 4, 2171-2176.	2.1	53
75	Boundary spin disorder in nanocrystalline FeRh alloys. Physical Review B, 1998, 58, 5181-5184.	1.1	52
76	Long-term (4 years) efficacy of lopinavir/ritonavir monotherapy for maintenance of HIV suppression. Journal of Antimicrobial Chemotherapy, 2008, 61, 1359-1361.	1.3	52
77	Similarity in behavior of polytetrafluoroethylene (ePTFE) prostheses implanted into different interfaces. , 1996, 31, 1-9.		51
78	Dynamic magnetostatic interaction between amorphous ferromagnetic wires. Physical Review B, 1996, 54, 9903-9911.	1.1	51
79	Magnetism in Polymers with Embedded Gold Nanoparticles. Advanced Materials, 2007, 19, 875-877.	11.1	51
80	Tensile stress dependence of the Curie temperature and hyperfine field in Fe-Zr-B-(Cu) amorphous alloys. Physical Review B, 1996, 54, 3026-3029.	1.1	50
81	Dependence of exchange anisotropy and coercivity on the Feâ€“oxide structure in oxygen-passivated Fe nanoparticles. Journal of Applied Physics, 1999, 85, 6118-6120.	1.1	50
82	Magnetization reversal asymmetry in Fe/MgO(001) thin films. Journal of Magnetism and Magnetic Materials, 2000, 210, 341-348.	1.0	50
83	Resistivity changes of some amorphous alloys undergoing nanocrystallization. Solid State Communications, 1993, 88, 75-80.	0.9	49
84	Giant magnetostriction of amorphousTbxFe1â^'x(0.10<x<0.45) thin films and its correlation with perpendicular anisotropy. Physical Review B, 1995, 51, 297-304.	1.1	49
85	High-temperature induced ferromagnetism onÎ³â^'Feprecipitates in FeCu solid solutions. Physical Review B, 2005, 72, .	1.1	49
86	Particle Interactions in Liquid Magnetic Colloids by Zero Field Cooled Measurements: Effects on Heating Efficiency. Journal of Physical Chemistry C, 2015, 119, 11022-11030.	1.5	49
87	Incorporating group recommendations to recommender systems: Alternatives and performance. Information Processing and Management, 2013, 49, 895-901.	5.4	48
88	High Frequency Hysteresis Losses on Î³-Fe2O3 and Fe3O4: Susceptibility as a Magnetic Stamp for Chain Formation. Nanomaterials, 2018, 8, 970.	1.9	48
89	Magnetoelastic anisotropy in amorphous wires due to quenching. Journal of Applied Physics, 1991, 70, 6525-6527.	1.1	47
90	Comment on â€˜â€˜Mechanically driven alloying of immiscible elementsâ€™â€™. Physical Review Letters, 1993, 70, 3521-3521.	2.9	47

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91	Ferromagnetic interactions in nanostructured systems with two different Curie temperatures. Physical Review B, 1996, 53, 11656-11660.	1.1	47
92	Giant magnetic hardening of a Fe-Zr-B-Cu amorphous alloy during the first stages of nanocrystallization. Physical Review B, 1996, 53, 3392-3397.	1.1	47
93	A position sensor based on magnetoimpedance. Journal of Applied Physics, 1996, 79, 6549.	1.1	47
94	Gold and Goldâ^'Iron Oxide Magnetic Glyconanoparticles:Â Synthesis, Characterization and Magnetic Properties.. Journal of Physical Chemistry B, 2006, 110, 13021-13028.	1.2	47
95	Extraordinary anisotropic magnetoresistance effect under 35 Oe field at room temperature in Co/Ni multilayers. Applied Physics Letters, 1995, 67, 718-720.	1.5	46
96	Magnetism in nanoparticles: tuning properties with coatings. Journal of Physics Condensed Matter, 2013, 25, 484006.	0.7	46
97	Correlation between structure and the magnetic properties of amorphous and nanocrystalline Fe73.5Cu1Nb3Si22.5â^'xBx alloys. Journal of Magnetism and Magnetic Materials, 1994, 133, 310-313.	1.0	45
98	Ferromagnetism in Twinned Pt Nanoparticles Obtained by Laser Ablation. Chemistry of Materials, 2007, 19, 889-893.	3.2	45
99	Effects of grain boundary width and crystallite size on conductivity and magnetic properties of magnetite nanoparticles. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	45
100	Different kinds of magnetic anisotropies induced by current annealing in metallic glasses. Journal of Magnetism and Magnetic Materials, 1987, 68, 151-156.	1.0	44
101	High-temperature magnetic behavior of FeCo-based nanocrystalline alloys. Physical Review B, 2002, 66, .	1.1	44
102	Temperature dependence of the magnetostriction constant of nearly zero magnetostriction amorphous alloys. Applied Physics Letters, 1984, 45, 802-804.	1.5	43
103	Co-Si-B and Fe-Co-B amorphous alloys: Induced anisotropy and various magnetic properties. Journal of Magnetism and Magnetic Materials, 1987, 66, 37-44.	1.0	43
104	Micromagnetics of twisted amorphous ribbons. Physical Review B, 1980, 22, 2445-2449.	1.1	42
105	Interacting amorphous ferromagnetic wires: A complex system. Journal of Applied Physics, 1999, 85, 2768-2774.	1.1	42
106	Revisiting magnetism of capped Au and ZnO nanoparticles: Surface band structure and atomic orbital with giant magnetic moment. Physica Status Solidi (B): Basic Research, 2011, 248, 2352-2360.	0.7	42
107	Superparamagnetic behavior and giant magnetoresistance in as-obtained Co-Ag metastable alloys. Journal of Magnetism and Magnetic Materials, 1994, 138, 123-131.	1.0	41
108	An alternative approach to giant magnetoimpedance phenomena in amorphous ferromagnetic wires. Journal of Applied Physics, 1995, 78, 5189-5191.	1.1	40

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109	Glass-coated Co-rich amorphous microwires with enhanced permeability. Sensors and Actuators A: Physical, 2000, 81, 227-231.	2.0	40
110	Soft and hard nanostructured magnetic materials. Hyperfine Interactions, 2000, 130, 221-240.	0.2	39
111	Revised core-shell domain model for magnetostrictive amorphous wires. IEEE Transactions on Magnetics, 2001, 37, 994-1002.	1.2	39
112	Transverse demagnetizing factors of long rectangular bars: I. Analytical expressions for extreme values of susceptibility. Journal of Applied Physics, 2002, 91, 5254-5259.	1.1	39
113	Generalization of recommender systems: Collaborative filtering extended to groups of users and restricted to groups of items. Expert Systems With Applications, 2012, 39, 172-186.	4.4	39
114	Phenomenological study of the amorphousFe80B20ferromagnet with small random anisotropy. Physical Review B, 1990, 42, 898-905.	1.1	38
115	Spinodal decomposition of Fe-Cu nanocrystals: Control of atomic-magnetic-moment and magnetic properties. Physical Review B, 1994, 49, 13227-13230.	1.1	38
116	Electronic structure, magnetic properties, and microstructural analysis of thiol-functionalized Au nanoparticles: role of chemical and structural parameters in the ferromagnetic behaviour. Journal of Nanoparticle Research, 2008, 10, 179-192.	0.8	38
117	A similarity metric designed to speed up, using hardware, the recommender systems k-nearest neighbors algorithm. Knowledge-Based Systems, 2013, 51, 27-34.	4.0	38
118	Curie-temperature enhancement of ferromagnetic phases in nanoscale heterogeneous systems. Physical Review B, 1996, 53, 8223-8226.	1.1	37
119	Hysteretic giant magneto impedance. Journal of Applied Physics, 1998, 84, 5814-5816.	1.1	37
120	Synthesis and characterization of FePt/Au core-shell nanoparticles. Journal of Magnetism and Magnetic Materials, 2007, 316, e753-e755.	1.0	37
121	Effects of bias field and driving current on the equivalent circuit response of magnetoimpedance in amorphous wires. Journal Physics D: Applied Physics, 1995, 28, 2404-2410.	1.3	35
122	Observation and Characterization of Ferromagnetic Amorphous Nickel. Physical Review Letters, 1996, 76, 4833-4836.	2.9	35
123	Magnetostriction of amorphous (Co1â^'xFex)75Si15B10 ribbons (0 â©½ x â©½ 0.12) and its temperature dependence. Solid State Communications, 1984, 52, 701-703.	0.9	34
124	Evolution from the vortex state to the critical state in a square-columnar Josephson-junction array. Physical Review B, 1996, 53, 6579-6584.	1.1	34
125	Human Immunodeficiency Virus/Hepatitis C Virus Coinfection in Spain: Prevalence and Patient Characteristics. Open Forum Infectious Diseases, 2016, 3, ofw059.	0.4	34
126	Short range order in (Fe, Co, Ni)75Si15B10 amorphous alloys determined from magnetic anisotropy. Solid State Communications, 1985, 54, 1059-1063.	0.9	33

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127	Mn4+cation localization in La-richLa1â˜'xCaxMnOymanganites. Physical Review B, 2000, 62, 11328-11331.	1.1	33
128	Tailoring of paramagnetic (structurally ordered) nanometric grains separated by ferromagnetic (structurally disordered) grain boundaries: Isolating grain-boundary magnetic effects. Physical Review B, 2001, 63, .	1.1	33
129	Theory for coupling ferromagnets through paramagnetic layers: direct exchange coupling plus a magnetic pump mechanism. Journal of Magnetism and Magnetic Materials, 1991, 99, L12-L19.	1.0	32
130	On the conduction band polarization in metallic systems with a periodic array of localized magnetic moments. Journal of Applied Physics, 1996, 79, 4815.	1.1	32
131	CF4J: Collaborative filtering for Java. Knowledge-Based Systems, 2018, 152, 94-99.	4.0	32
132	The influence of the Pt buffer layer on the perpendicular magnetic anisotropy in epitaxial FePd(001) ordered alloys grown by sputtering. Journal of Applied Physics, 1997, 81, 5050-5052.	1.1	31
133	Giant magnetoimpedance effect in a positive magnetostrictive glass-coated amorphous microwire. Physical Review B, 2002, 65, .	1.1	31
134	Unravelling the size distribution of social groups with information theory in complex networks. European Physical Journal B, 2010, 76, 87-97.	0.6	31
135	High magnetomechanical coupling on magnetic microwire for sensors with biological applications. Applied Physics Letters, 2010, 96, .	1.5	31
136	A probabilistic model for recommending to new cold-start non-registered users. Information Sciences, 2017, 376, 216-232.	4.0	31
137	Magnetic Phase Diagram of Nanostructured Zinc Ferrite as a Function of Inversion Degree Î´. Journal of Physical Chemistry C, 2019, 123, 17472-17482.	1.5	31
138	Influence of the applied tensile stress on the magnetic properties of current annealed amorphous wires. Journal of Applied Physics, 1991, 70, 6522-6524.	1.1	30
139	MFM imaging of FePd stripe domains. Evolution with Pt buffer layer thickness. Journal of Magnetism and Magnetic Materials, 1999, 196-197, 23-25.	1.0	30
140	Anisotropy, hysteresis, and morphology of self-patterned epitaxial Fe/MgO/GaAs films. Physical Review B, 2002, 66, .	1.1	30
141	Structure and magnetism in the Znâ€"Mnâ€"O system: A candidate for room temperature ferromagnetic semiconductor. Journal of the European Ceramic Society, 2006, 26, 3017-3025.	2.8	30
142	Influence of the Tensile Stress on the Magnetostriction Resistivity and Magnetic Anisotropy of Co-Rich Metallic Glasses. TSRO and CSRO Correlation. Physica Scripta, 1988, T24, 11-21.	1.2	29
143	Mossbauer spectroscopy in nanocrystalline materials. IEEE Transactions on Magnetics, 1992, 28, 2424-2426.	1.2	29
144	Size dependence of coercivity in nanostructured soft alloys. Physical Review B, 2004, 69, .	1.1	29

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145	Spontaneous oxidation of disordered fcc FePt nanoparticles. Journal of Applied Physics, 2008, 103, .	1.1	29
146	Bias free magnetomechanical coupling on magnetic microwires for sensing applications. Applied Physics Letters, 2013, 103, .	1.5	29
147	MÃ¶ssbauer spectroscopy in nanocrystalline Fe88Zr7B4Cu1. Journal of Magnetism and Magnetic Materials, 1995, 145, 313-318.	1.0	28
148	Large training effects in magnetic relaxation and anisotropic magnetoresistance in nanocrystalline exchange-biasedNi80Fe20/Coâ^'Obilayers. Physical Review B, 2004, 69, .	1.1	28
149	Calculations of atoms attached to mixed helium droplets. A probe for the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mtext>H</mml:mtext><mml:mprescripts /><mml:none /><mml:mn>3</mml:mn></mml:mmultiscripts><mml:mtext>e-</mml:mtext><mml:mmultiscripts><mml:mtext>H</mml:mtext><mml:mprescripts /><mml:none /><mml:mn>4</mml:mn></mml:mmultiscripts></mml:mrow></mml:math>	1.1	28
150	Thermal Evolution of Pt-Rich FePt/Fe₃O₄ Heterodimers Studied Using X-ray Absorption Near-Edge Spectroscopy. Journal of Physical Chemistry C, 2011, 115, 5500-5508.	1.5	28
151	A balanced memory-based collaborative filtering similarity measure. International Journal of Intelligent Systems, 2012, 27, 939-946.	3.3	28
152	The workings of the maximum entropy principle in collective human behaviour. Journal of the Royal Society Interface, 2013, 10, 20120758.	1.5	28
153	Stress and field contactless sensor based on the scattering of electromagnetic waves by a single ferromagnetic microwire. Applied Physics Letters, 2014, 105, .	1.5	28
154	Magnetostriction and other magnetic properties of Co-Ni based amorphous alloys. Journal of Magnetism and Magnetic Materials, 1986, 61, 390-394.	1.0	27
155	Helical magnetic anisotropy induced by current annealing under torsion in amorphous wires. IEEE Transactions on Magnetics, 1990, 26, 1798-1800.	1.2	27
156	A miniature dc current sensor based on magnetoimpedance. Journal of Applied Physics, 1997, 81, 4301-4303.	1.1	27
157	Giant magnetoimpedance in amorphous Co83.2Mn7.6Si5.8B3.3 microwires. Physical Review B, 2000, 62, 6598-6602.	1.1	27
158	Coercivity in SmCo hard magnetic films for MEMS applications. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 1234-1236.	1.0	27
159	Magnetoelectrolysis of Co nanowire arrays grown in a track-etched polycarbonate membrane. Journal of Magnetism and Magnetic Materials, 2007, 312, 99-106.	1.0	27
160	Absorption Spectrum of Na Atoms Attached toÂHeliumÂNanodroplets. Journal of Low Temperature Physics, 2010, 158, 105-111.	0.6	27
161	A simple vibrating sample magnetometer for macroscopic samples. Review of Scientific Instruments, 2018, 89, 034707.	0.6	27
162	Tensor components of the magnetization in a twisted Feâ€rich amorphous wire. Journal of Applied Physics, 1994, 75, 6952-6954.	1.1	26

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163	Circumferential permeability in nonmagnetostrictive amorphous wires. Journal of Materials Research, 1996, 11, 2486-2489.	1.2	26
164	A MÃ¶ssbauer spectroscopy and magnetic study of FeRh. Journal of Magnetism and Magnetic Materials, 1998, 177-181, 135-136.	1.0	26
165	Thickness-dependent coercivity of ultrathin Co films grown on Cu(111). Journal of Physics Condensed Matter, 2000, 12, 7713-7719.	0.7	26
166	Effect of preparation methods on magnetic properties of stoichiometric zinc ferrite. Journal of Alloys and Compounds, 2020, 849, 156353.	2.8	26
167	Anomalous eddy currents in magnetostrictive amorphous ferromagnets: A large contribution from magnetoelastic effects. Journal of Magnetism and Magnetic Materials, 1982, 28, 109-116.	1.0	25
168	Hysteresis, magnetostriction and domain structure of soft magnetic nanocrystalline Fe based compounds. IEEE Transactions on Magnetics, 1990, 26, 1403-1405.	1.2	25
169	Influence of nanocrystallization on the magneto-impedance effect in FeCuNbSiB amorphous wires. IEEE Transactions on Magnetics, 1995, 31, 4009-4011.	1.2	25
170	Hysteresis loop shift in annealed FeCrSiB amorphous wires. Journal of Magnetism and Magnetic Materials, 2000, 212, 373-380.	1.0	25
171	Gold Nanoparticles Generated in Ethosome Bilayers, As Revealed by Cryo-Electron-Tomography. Journal of Physical Chemistry B, 2009, 113, 3051-3057.	1.2	25
172	Physico-Chemical Characteristics of Gold Nanoparticles. Comprehensive Analytical Chemistry, 2014, 66, 81-152.	0.7	25
173	Influence of torsion on the magnetic properties of an amorphous ribbon. Journal Physics D: Applied Physics, 1979, 12, 1943-1950.	1.3	24
174	Magnetic and transport eddy-current anomalies in cylinders with core-and-shell regions. Journal of Magnetism and Magnetic Materials, 1999, 202, 385-396.	1.0	24
175	Influence of Cr additions in magnetic properties and crystallization process of amorphous iron based alloys. Journal of Applied Physics, 2002, 92, 374-378.	1.1	24
176	Thermal dependence of the magnetization of antiferromagnetic copper(II) oxide nanoparticles. Solid State Communications, 2004, 130, 247-251.	0.9	24
177	High-frequency behavior of amorphous microwires and its applications. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 1597-1600.	1.0	24
178	Enhanced magnetic properties of FeCo ribbons nanocrystallized in magnetic field. Applied Physics Letters, 2009, 94, .	1.5	24
179	Changes in the remanent magnetisation, magnetoelastic coupling and Young's modulus during structural relaxation of an amorphous ribbon. Journal Physics D: Applied Physics, 1983, 16, 1999-2010.	1.3	23
180	Tensile-stress dependence of magnetostriction in multilayers of amorphous ribbons. Physical Review B, 1990, 42, 6471-6475.	1.1	23

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