

Dimitrios Niarchos

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357
papers

5,758
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35
h-index

56
g-index

377
ext. papers

6,032
ext. citations

2.8
avg, IF

5.27
L-index

#	Paper	IF	Citations
357	Structural and magnetic properties of $\text{La}_{0.67}(\text{Ba}_x\text{Ca}_{1-x})_{0.33}\text{MnO}_3$ perovskites (0. <i>Physical Review B</i> , 1999 , 59, 1129-1133	3.3	166
356	Existence range, structural and magnetic properties of $\text{Nd}_3\text{Fe}_{27.5}\text{Ti}_{1.5}\text{M}_y\text{O}_y$ and $\text{Nd}_3\text{Fe}_{27.5}\text{Ti}_{1.5}\text{M}_y\text{O}_y\text{N}_x$ (0.0 x 1.5). <i>Journal of Magnetism and Magnetic Materials</i> , 1995 , 146, 335-345	2.8	154
355	Layer-resolved magnetic moments in Ni/Pt multilayers. <i>Physical Review Letters</i> , 2000 , 85, 413-6	7.4	150
354	CoPt and FePt thin films for high density recording media. <i>Journal of Applied Physics</i> , 2000 , 87, 6938-6940	4.5	145
353	Interfacial polymerization of pyrrole and in situ synthesis of polypyrrole/silver nanocomposites. <i>Polymer</i> , 2007 , 48, 2007-2013	3.9	129
352	Chemical synthesis and characterization of hcp Ni nanoparticles. <i>Nanotechnology</i> , 2006 , 17, 3750-3755	3.4	107
351	CoPt/Ag nanocomposites for high density recording media. <i>Applied Physics Letters</i> , 1998 , 73, 3453-3455	3.4	105
350	Synthesis and characterization of 3D CoPt nanostructures. <i>Journal of the American Chemical Society</i> , 2005 , 127, 13756-7	16.4	101
349	Critical radius for exchange bias in naturally oxidized Fe nanoparticles. <i>Physical Review B</i> , 2006 , 74,	3.3	97
348	Characterization, magnetic and transport properties of polyaniline synthesized through interfacial polymerization. <i>Polymer</i> , 2007 , 48, 3162-3169	3.9	82
347	Exchange-coupling properties of $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ ferromagnetic/antiferromagnetic multilayers. <i>Physical Review B</i> , 2001 , 64,	3.3	82
346	X-ray diffraction and infrared investigation of $\text{RBa}_2\text{Cu}_3\text{O}_7$ and $\text{R}_{0.5}\text{Pr}_{0.5}\text{Ba}_2\text{Cu}_3\text{O}_7$ compounds (R=Y and lanthanides). <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 254, 44-62	1.3	77
345	Synthesis, characterization and thermal properties of polymer/magnetite nanocomposites. <i>Nanotechnology</i> , 2006 , 17, 2046-2053	3.4	74
344	Magnetic hysteresis and Mössbauer studies in ultrafine iron particles. <i>Journal of Applied Physics</i> , 1990 , 67, 4487-4489	2.5	64
343	Exchange-biasing mechanism in $\text{La}_{2/3}\text{Ca}_{1/3}\text{MnO}_3/\text{La}_{1/3}\text{Ca}_{2/3}\text{MnO}_3$ multilayers. <i>Physical Review B</i> , 1999 , 60, 485-491	3.3	59
342	CoPt/Ag nanocomposites with (001) texture. <i>Applied Physics Letters</i> , 2001 , 79, 1255-1257	3.4	58
341	Magnetic MEMS: key issues and some applications. <i>Sensors and Actuators A: Physical</i> , 2003 , 106, 255-262	3.9	57

340	Synthesis of CoPt nanoparticles by a modified polyol method: characterization and magnetic properties. <i>Nanotechnology</i> , 2005 , 16, 287-91	3.4	55
339	Synthesis, thermogravimetric and ⁵⁷ Fe Mössbauer studies of the oxygen deficient perovskite REBaCuFeO _{5-x} series (RE = Y, Nd, Sm, Gd, Dy, Tm, Lu). <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 192, 35-40	1.3	53
338	Polypyrrole/MWNT nanocomposites synthesized through interfacial polymerization. <i>Synthetic Metals</i> , 2009 , 159, 632-636	3.6	48
337	Dye-sensitization of self-assembled titania nanotubes prepared by galvanostatic anodization of Ti sputtered on conductive glass. <i>Nanotechnology</i> , 2009 , 20, 365601	3.4	48
336	Nitrogenation of the RFe ₁₀ Mo ₂ (R = rare earth) compounds with ThMn ₁₂ type structure. <i>Solid State Communications</i> , 1991 , 78, 681-684	1.6	48
335	Immobilization of magnetic iron oxide nanoparticles on laponite discs - an easy way to biocompatible ferrofluids and ferrogels. <i>Journal of Materials Chemistry</i> , 2010 , 20, 5418-5428		46
334	Preparation and characterization of the NdFe ₁₀ T ₂ N _x (T=Mo,V) compounds with the ThMn ₁₂ tetragonal-type structure. <i>Journal of Applied Physics</i> , 1991 , 70, 6012-6014	2.5	46
333	Non-destructive evaluation distribution sensors based on magnetostrictive delay lines. <i>Sensors and Actuators A: Physical</i> , 2001 , 92, 132-136	3.9	44
332	Magnetism of iron atoms in superconducting Sc ₂ Fe ₃ Si ₅ . <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1980 , 79, 454-456	2.3	44
331	Tailoring the magnetic anisotropy of CoFeB/MgO stacks onto W with a Ta buffer layer. <i>Applied Physics Letters</i> , 2015 , 106, 262401	3.4	41
330	Structural, magnetic, and spectroscopic magneto-optical properties aspects of PtCo multilayers with intentionally alloyed layers. <i>Journal of Applied Physics</i> , 2003 , 94, 7662	2.5	40
329	. <i>IEEE Transactions on Magnetics</i> , 1993 , 29, 3171-3173	2	39
328	Magnetic properties of REFe ₂ Si ₂ compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 1983 , 36, 61-65	2.8	38
327	Increased magnetocrystalline anisotropy in epitaxial Fe-Co-C thin films with spontaneous strain. <i>Journal of Applied Physics</i> , 2014 , 116, 213901	2.5	36
326	Synthesis of air stable FeCo nanoparticles. <i>Journal of Applied Physics</i> , 2011 , 109, 07A313	2.5	36
325	Structure and magnetic properties of RCo ₇ Mn _x alloys (R=Sm, Gd; x=0.1-0.4). <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 242-245, 844-846	2.8	36
324	Crystal field effects in RERh ₄ B ₄ compounds (RE = rare earth). <i>Solid State Communications</i> , 1982 , 44, 1577-1581	1.6	36
323	Magnetic properties of DyFe ₂ H ₂ from ⁵⁷ Fe, ¹⁶¹ Dy Mössbauer effect and magnetization measurements. <i>Journal of Applied Physics</i> , 1979 , 50, 2051-2052	2.5	34

322	ThMn12-Type Alloys for Permanent Magnets. <i>Engineering</i> , 2020 , 6, 141-147	9.7	33
321	Processing of magnetically anisotropic MnBi particles by surfactant assisted ball milling. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 426, 691-697	2.8	32
320	Magnetism and crystalline electric fields in R2Fe3Si5 compounds. <i>Physical Review B</i> , 1983 , 27, 4317-4324	3.3	32
319	Superconductivity and magnetism in the series R2Fe3Si5 by Mössbauer and magnetization measurements. <i>Journal of Applied Physics</i> , 1981 , 52, 2180-2182	2.5	32
318	Mössbauer effect investigations of the electronic and magnetic properties of rare earth metal and intermetallic hydrides. <i>Journal of Applied Physics</i> , 1979 , 50, 7682	2.5	32
317	New CoPt/Ag films for high density recording media. <i>Journal of Applied Physics</i> , 1999 , 85, 4304-4306	2.5	31
316	Magnetic properties of the R1+eFe4B4 compounds (R = rare earth) from magnetization and Mössbauer measurements. <i>Solid State Communications</i> , 1986 , 59, 389-391	1.6	31
315	Magnetic properties of graded A1/L10 films obtained by heat treatment of FePt/CoPt multilayers. <i>Journal of Applied Physics</i> , 2010 , 107, 013903	2.5	30
314	Structural, magnetic, and Mössbauer studies of the PrBaCuFeO5+y compound. <i>Physical Review B</i> , 1997 , 55, 397-408	3.3	30
313	Neutron powder diffraction study (= 4.2-300 K) and polarization analysis of YBaCuFeO.. <i>Journal of Physics Condensed Matter</i> , 1998 , 10,	1.8	30
312	Exchange biasing in La2/3Ca1/3MnO3/La1/3Ca2/3MnO3 multilayers. <i>Journal of Applied Physics</i> , 1999 , 85, 4913-4915	2.5	30
311	Temperature Dependence of the EPR Spectra of GdBa2Cu3O7-x Compounds in Orthorhombic and Tetragonal Phases. <i>Physica Status Solidi (B): Basic Research</i> , 1990 , 162, 243-249	1.3	30
310	The optimum percentage of Pb and the appropriate thermal procedure for the preparation of the 110 K Bi2-xPbxSr2Ca2Cu3Oy superconductor. <i>Superconductor Science and Technology</i> , 1990 , 3, 128-133	3.1	30
309	Toward Rare-Earth-Free Permanent Magnets: A Combinatorial Approach Exploiting the Possibilities of Modeling, Shape Anisotropy in Elongated Nanoparticles, and Combinatorial Thin-Film Approach. <i>Jom</i> , 2015 , 67, 1318-1328	2.1	29
308	Synthesis and self-organization of Au nanoparticles. <i>Nanotechnology</i> , 2007 , 18, 485604	3.4	29
307	Effective ferromagnetic coupling between a superconductor and a ferromagnet in LaCaMnOx/Nb hybrids. <i>Physical Review B</i> , 2005 , 72,	3.3	29
306	Synthesis and magnetic properties of R3(Fe,Ti)29 and R3(Fe,Ti)29Nx (R = Ce,Pr,Gd). <i>Journal of Magnetism and Magnetic Materials</i> , 1995 , 147, L7-L10	2.8	29
305	Mössbauer and magnetic studies of the R2Fe17Nx (R = Lu, Sm) intermetallic compounds. <i>Solid State Communications</i> , 1991 , 77, 11-16	1.6	29

304	Surface segregation of iron by hydrogenation of FeTi: An ^{57}Fe Mössbauer conversion electron study. <i>Journal of the Less Common Metals</i> , 1980 , 73, 171-173		29
303	Magnetic Structure of the Oxygen-Deficient Perovskite $\text{YBaCuFeO}_{5+\delta}$. <i>Inorganic Chemistry</i> , 1994 , 33, 1255-1258	5.1	28
302	Preparation of the 110 K high T_c superconductor $\text{Bi}_2\text{Sr}_2\text{Ca}_2\text{Cu}_3\text{O}_y$ by Pb and Sb substitution. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 159, 643-648	1.3	28
301	Spin reorientation transitions and crystal field interactions in the $\text{R}(\text{Fe}_{10}\text{V}_2)$ series. <i>Solid State Communications</i> , 1989 , 72, 839-842	1.6	28
300	Magnetostrictive properties of amorphous and crystalline TbDyFe thin films. <i>Sensors and Actuators A: Physical</i> , 2003 , 106, 298-301	3.9	27
299	CoPt nanoparticles deposited by electron beam evaporation. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 290-291, 544-546	2.8	27
298	. <i>IEEE Transactions on Magnetics</i> , 1992 , 28, 2190-2192	2	27
297	. <i>IEEE Transactions on Magnetics</i> , 1990 , 26, 1798-1800	2	27
296	Effective negative refractive index in ferromagnet-semiconductor superlattices. <i>Optics Express</i> , 2006 , 14, 5433-44	3.3	26
295	Synthesis and characterization of L10 FePt nanoparticles from Pt/Fe $_3$ O $_4$ core-shell nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 294, e95-e98	2.8	26
294	High coercivity in boron substituted Sm-Co melt-spun magnets. <i>IEEE Transactions on Magnetics</i> , 2002 , 38, 2922-2924	2	26
293	Amorphous wires in displacement sensing techniques. <i>Journal of Magnetism and Magnetic Materials</i> , 1992 , 116, 177-188	2.8	26
292	Characterization, electrical and magnetic properties of polyaniline/maghemite nanocomposites. <i>Nanotechnology</i> , 2006 , 17, 5019-5026	3.4	25
291	Structural and intrinsic magnetic material parameters of $\text{Pr}_3(\text{Fe,Ti})_{29}$ and $\text{Pr}_3(\text{Fe,Ti})_{29}\text{N}_x$. <i>Journal of Magnetism and Magnetic Materials</i> , 1996 , 153, 75-85	2.8	25
290	Synthesis and Exchange Bias in $\text{Fe}_2\text{O}_3/\text{CoO}$ and Reverse $\text{CoO}/\text{Fe}_2\text{O}_3$ Binary Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 14609-14614	3.8	24
289	Synthesis and Characterization of L10 FePt Nanoparticles from Pt(Au, Ag)/Fe $_2$ O $_3$ CoreShell Nanoparticles. <i>Advanced Materials</i> , 2005 , 17, 2188-2192	2.4	24
288	Granular CoPt/C films for high-density recording media. <i>Journal of Applied Physics</i> , 2000 , 87, 4358-4361	2.5	24
287	Magnetic phase transitions and magnetocrystalline anisotropy in $\text{Nd}_3(\text{Fe,Ti})_{29}$ and $\text{Nd}_3(\text{Fe,Ti})_{29}\text{N}_4$. <i>Solid State Communications</i> , 1996 , 97, 471-475	1.6	24

- 286 Stability range, structure and magnetic properties of YFe₁₂Mox (0.5 ≤ x ≤ 2.0) alloys. *Journal of Magnetism and Magnetic Materials*, **1994**, 131, 157-166 2.8 24
- 285 Magnetostrictive properties of amorphous and partially crystalline TbDyFe thin films. *Journal of Applied Physics*, **1997**, 81, 5696-5698 2.5 23
- 284 Bare and protein-conjugated Fe₃O₄ ferromagnetic nanoparticles for utilization in magnetically assisted hemodialysis: biocompatibility with human blood cells. *Nanotechnology*, **2008**, 19, 505101 3.4 23
- 283 (001) Textured CoPt/Ag films and nanocomposites: the effect of Ag underlayers. *Journal of Magnetism and Magnetic Materials*, **2004**, 272-276, 2169-2170 2.8 23
- 282 Optimized synthesis and annealing conditions of L10FePt nanoparticles. *Nanotechnology*, **2005**, 16, 1603-1607 2.3 23
- 281 Investigation of CoPt/M (M=Ag, C) films for high density recording media. *Journal of Magnetism and Magnetic Materials*, **1999**, 193, 181-184 2.8 23
- 280 ¹⁶⁶Er Mössbauer and X-ray diffraction study of ErMn₂ hydrides. *Journal of the Less Common Metals*, **1980**, 73, 265-271 2.3
- 279 Hard/graded exchange spring composite media based on FePt. *Journal of Applied Physics*, **2011**, 109, 07B729 2.5 22
- 278 Microstructural modification in Co/Cu giant-magnetoresistance multilayers. *Journal of Applied Physics*, **1998**, 83, 3724-3730 2.5 22
- 277 Crystallographic, thermogravimetric and magnetization study of the YBa₂Cu₃FexO_y superconductor (0 ≤ x ≤ 2, 6 ≤ y ≤ 7). *Physica C: Superconductivity and Its Applications*, **1991**, 174, 316-320 1.3 22
- 276 Reduction of thermal conductivity in porous gray materials. *APL Materials*, **2014**, 2, 076107 5.7 21
- 275 Synthesis of tunable sized capped magnetic iron oxide nanoparticles highly soluble in organic solvents. *Journal of Materials Science*, **2007**, 42, 4996-5002 4.3 21
- 274 Permeability measurements of permalloy films with a broad band stripline technique. *Journal of Magnetism and Magnetic Materials*, **2000**, 222, 168-174 2.8 21
- 273 Irreversibility line in superconducting HgBa₂CuO₄+δ single crystals. *Physical Review B*, **1998**, 58, 9536-9542 3.3 21
- 272 Rietveld analysis of x-ray powder diffraction patterns for the new SmFe₁₀Mo₂N_x nitride compound. *Journal of Applied Physics*, **1991**, 70, 6122-6124 2.5 21
- 271 Magnetic and structural properties of ErFe₃H_x hydrides. *Journal of Applied Physics*, **1979**, 50, 7690 2.5 21
- 270 Direct Chemical Synthesis of L10FePt Nanostructures. *Chemistry of Materials*, **2007**, 19, 1898-1900 9.6 20
- 269 Voltage-induced modification in magnetic coercivity of patterned Co₅₀Fe₅₀ thin film on piezoelectric substrate. *Journal of Magnetism and Magnetic Materials*, **2008**, 320, 1050-1055 2.8 20

268	Coevaporation of CoPt nanoparticles. <i>Applied Physics Letters</i> , 2004 , 85, 2854-2856	3.4	20
267	Magneto-transport and exchange biasing in La _{1-x} Ta _x MnO ₃ compositionally modulated ferromagnetic/antiferromagnetic multilayers. <i>Journal of Applied Physics</i> , 2000 , 87, 3926-3930	2.5	20
266	Magnetic relaxation measurements in the region of the second magnetization peak in a HgBa ₂ CuO ₄ +δ single crystal. <i>Physical Review B</i> , 1999 , 59, 12121-12126	3.3	20
265	The optical absorption of nanowire arrays. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2011 , 9, 163-167	2.6	19
264	Influence of randomly distributed magnetic nanoparticles on surface superconductivity in Nb films. <i>Physical Review B</i> , 2004 , 70,	3.3	19
263	Magnetic properties and granular structure of CoPt/B films. <i>Journal of Applied Physics</i> , 2000 , 88, 2740-2744	3.4	19
262	Temperature variation of the spin reorientation in Er ₂ Dy _x Fe ₁₄ B alloys. <i>Solid State Communications</i> , 1986 , 59, 669-672	1.6	19
261	Mössbauer studies of ScFe ₂ , LaNi ₄ Fe and their hydrides. <i>Hyperfine Interactions</i> , 1981 , 9, 563-570	0.8	19
260	Biocompatibility and Solubility of Fe ₃ O ₄ -BSA Conjugates with Human Blood. <i>Current Nanoscience</i> , 2009 , 5, 177-181	1.4	18
259	Temperature dependence of Doppler broadening of the annihilation line in a high T _c superconductor. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1988 , 128, 97-99	2.3	18
258	Mössbauer studies of the high-T _c superconductor YBa ₂ (Cu _{1-x} Fe _x) ₃ O _{7-δ} (x=0.033). <i>Physical Review B</i> , 1988 , 38, 8931-8935	3.3	18
257	Optimization of L1 ₀ FePt/Fe ₄₅ Co ₅₅ thin films for rare earth free permanent magnet applications. <i>Journal of Applied Physics</i> , 2015 , 117, 223909	2.5	17
256	The effect of Mn doping in FePt nanoparticles on the magnetic properties of the L1(0) phase. <i>Nanotechnology</i> , 2006 , 17, 4270-3	3.4	17
255	Effects of boron substitution on the structural and magnetic properties of melt-spun Sm(Co,Fe,Zr) _{7.5} and Sm(Co,Fe,Zr,Cu) _{7.5} magnets. <i>Journal of Applied Physics</i> , 2002 , 91, 7899	2.5	17
254	Magnetic properties of intermetallic hydrides. <i>Journal of the Less Common Metals</i> , 1983 , 94, 37-44		17
253	Microstructure and magnetic properties of (0 01) textured L1 ₀ FePt films on amorphous glass substrate. <i>Applied Surface Science</i> , 2015 , 337, 118-124	6.7	16
252	Effect of Zr substitution on the structural and magnetic properties of the series Nd _{1-x} Zr _x Fe ₁₀ Si ₂ with the ThMn ₁₂ type structure. <i>Journal of Alloys and Compounds</i> , 2016 , 687, 240-245	5.7	16
251	Silver nanoparticles and graphitic carbon through thermal decomposition of a silver/acetylenedicarboxylic salt. <i>Nanoscale Research Letters</i> , 2009 , 4, 1358-64	5	16

250	Structural, microstructural and magnetic properties of nanocomposite isotropic Sm(Co _{0.1} Fe _{0.1} MyZr _{0.04} B _{0.04}) _{7.5} ribbons with M=Ni, Cu and y=0.09 and 0.12. <i>Journal of Magnetism and Magnetic Materials</i> , 2008 , 320, 2322-2329	2.8	16
249	Magnetic properties and microstructure of melt-spun Sm(Co,Fe,Cu,Zr) ₈ magnets. <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 247, 355-362	2.8	16
248	Texture and strain in CoPt/Ag nanocomposite films. <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 249, 471-474	2.8	16
247	CoPt:B granular thin films for high density magnetic recording media. <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 236, 234-241	2.8	16
246	Ab initio crystal structure solution of the novel intermetallic compound Nd ₃ (Fe,Ti) ₂₉ . <i>Journal of Alloys and Compounds</i> , 1996 , 234, 62-66	5.7	16
245	Structural study, resistivity, magnetization and Raman measurements for the HTc superconducting compounds SmBa _{2-x} Sr _x Cu ₃ O _{6+y} (x = 0.0, 0.25, 0.5, 0.75, 1.0 and 1.25). <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 267, 211-224	1.3	16
244	Structural and magnetic properties of DyFe ₃ hydrides. <i>Journal of the Less Common Metals</i> , 1980 , 73, 283-290		16
243	Nanometer Scale Hard/Soft Bilayer Magnetic Antidots. <i>Nanoscale Research Letters</i> , 2016 , 11, 86	5	15
242	Large magnetic anisotropy in strained Fe/Co multilayers on AuCu and the effect of carbon doping. <i>APL Materials</i> , 2015 , 3, 041103	5.7	15
241	Deposition of thin films over large areas with a simple sputtering technique for microwave applications. <i>Superconductor Science and Technology</i> , 1998 , 11, 686-691	3.1	15
240	Site occupancy of Fe in the oxygen-saturated YSr ₂ Cu _{3-x} Fe _x O _y compound for x=0.25 up to 1. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 234, 127-136	1.3	15
239	Structural and Mössbauer studies in REBaCuFeO _{5+x} compounds. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 185-189, 553-554	1.3	15
238	Spin-reorientation transitions and crystalline-electric-field parameters in RFe ₁₀ T ₂ (R=rare earth; T=Si or V) intermetallic compounds. <i>Physical Review B</i> , 1991 , 44, 2182-2189	3.3	15
237	¹⁶⁶ Er and ¹¹⁹ Sn Mössbauer studies of the re-entrant ternary superconductor ErRh _{1.1} Sn _{3.6} . <i>Solid State Communications</i> , 1981 , 37, 53-55	1.6	15
236	Microwave Synthesis and Characterization of the Series Co _{1-x} Fe _x Sb ₃ High Temperature Thermoelectric Materials. <i>Journal of Electronic Materials</i> , 2014 , 43, 2637-2643	1.9	14
235	Extraordinary magnetization of amorphous TbDyFe films. <i>Microelectronic Engineering</i> , 2013 , 112, 183-187.5		14
234	Direct chemical synthesis of L10 FePt nanoparticles. <i>Journal of Applied Physics</i> , 2011 , 109, 07A718	2.5	14
233	Magnetic phase transitions in RFe ₁₀ Mo ₂ compounds. <i>Journal of Physics Condensed Matter</i> , 1993 , 5, 8611-8620	1.8	14

232	Synthesis and magnetic properties of PrFe ₁₂ Mo _x and PrFe ₁₂ Mo _x Ny (0.5 ≤ x ≤ 1.0, y ≥ 1). <i>Journal of Applied Physics</i> , 1994 , 76, 6722-6724	2.5	14
231	Annealing effects on the structural and electrical properties of sputtered tungsten thin films. <i>Thin Solid Films</i> , 2016 , 619, 61-67	2.2	14
230	Synthesis and Magnetic Properties of Pure Cubic CoO Nanocrystals and Nanoaggregates. <i>Crystal Growth and Design</i> , 2009 , 9, 3353-3358	3.5	13
229	Magnetization reversal in CoPt(111) hard/soft bilayers. <i>Journal of Applied Physics</i> , 2009 , 105, 063908	2.5	13
228	Optimization of CoPt/B nanocomposite films for ultrahigh-density recording media. <i>Journal of Applied Physics</i> , 2001 , 90, 3112-3114	2.5	13
227	Mössbauer and crystal-structure study of YSr ₂ Cu ₂ FeO _y isomorphic with YBa ₂ (Cu _{1-x} Fe _x) ₃ O _y . <i>Physical Review B</i> , 1992 , 46, 14119-14125	3.3	13
226	Structure and magnetic anisotropy of Fe/Pt multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 1993 , 120, 236-238	2.8	13
225	A study of spin reorientation in NdFe _{12-x} V _x by Mössbauer and magnetization measurements. <i>Journal of Magnetism and Magnetic Materials</i> , 1990 , 86, 367-376	2.8	13
224	On the biocompatibility of Fe ₃ O ₄ ferromagnetic nanoparticles with human blood cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 6110-5	1.3	12
223	A general chemical route for the synthesis of capped nanocrystalline materials. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 3117-22	1.3	12
222	Reduction of annealing temperature for the growth of the hard magnetic phase of CoPt in Cu/CoPt bilayers grown on Si(001). <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 316, e166-e168	2.8	12
221	Temperature-compensated Sm _{1-x} Gd _x (Co _{0.74} Fe _{0.10} Cu _{0.12} Zr _{0.04}) _{7.50} permanent magnets (x = 0, 0.2, 0.4, 0.6, 0.8). <i>Journal of Alloys and Compounds</i> , 2004 , 367, 262-265	5.7	12
220	GMR study leading to sensor fabrication on the Ag/Co system. <i>Sensors and Actuators A: Physical</i> , 2001 , 91, 180-183	3.9	12
219	Modulation-induced effects in Pt/Ni multilayers enhanced magnetization, perpendicular anisotropy and its instability. <i>Journal of Magnetism and Magnetic Materials</i> , 1995 , 140-144, 613-614	2.8	12
218	Effect of the Mn substitution on the YBa ₂ Cu _{3-x} Mn _x O _y superconductor (0 ≤ x ≤ 1). <i>Superconductor Science and Technology</i> , 1992 , 5, 56-59	3.1	12
217	Structural and magnetic properties of strongly carbon doped Fe/Co thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 393, 479-483	2.8	11
216	Anomalous refraction of backward waves in ferromagnetic semiconductor superlattices in the presence of an external magnetic field. <i>Physica Status Solidi (B): Basic Research</i> , 2008 , 245, 154-158	1.3	11
215	Synthesis and characterization of a π-conjugate, covalent layered network derived from condensation polymerization of the 4,4'-bipyridine-cyanuric chloride couple. <i>European Polymer Journal</i> , 2006 , 42, 2940-2948	5.2	11

214	Synthesis and magnetic properties of rare earth-iron-chromium phases and their nitrides. <i>Journal of Applied Physics</i> , 1996 , 79, 5539	2.5	11
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