Michael J O'shea

List of Publications by Year
in descending order

58	827	643344	651938
papers	citations	15 h-index	25 g-index

60	60	60	542
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Crossing a river in a canoeâ€"how complicated can it get?. European Journal of Physics, 2010, 31, 857-862.	0.3	0
2	Harmonic and anharmonic behaviour of a simple oscillator. European Journal of Physics, 2009, 30, 549-558.	0.3	7
3	Climbing, slipping and Newtonâ€™s second law. Physics Education, 2009, 44, 644-651.	0.3	0
4	The most dangerous point in a climb may be just after you start. Physics Education, 2008, 43, 494-499.	0.3	2
5	Elasticity and mechanical advantage in cables and ropes. European Journal of Physics, 2007, 28, 715-727.	0.3	2
6	Fluid flow, NewtonÂ's second law and river rescue. Physics Education, 2006, 41, 137-143.	0.3	2
7	Temperature dependence of coercivity and magnetic reversal in SmCox thin films. Journal of Applied Physics, 2005, 97, 10F302.	1.1	13
8	Hard Magnetic Properties of NdFeB/Co Films Annealed in the Presence of a Magnetic Field. IEEE Transactions on Magnetics, 2004, 40, 2889-2891.	1.2	5
9	Hard magnetic properties of rapidly annealed NdFeB/Co films and intergrain interactions. Journal of Magnetism and Magnetic Materials, 2004, 279, 27-35.	1.0	18
10	Exchange coupling and magnetic properties of Nd2Fe14B/Co nanocomposite thin films. Journal of Magnetism and Magnetic Materials, 2003, 256, 348-354.	1.0	11
11	Phase evolution, structure, and magnetic properties of Nd[sub 8.4]Fe[sub 86]Mo[sub 1.1]B[sub 4.5] nanocomposite magnets. Journal of Applied Physics, 2002, 91, 7881.	1.1	4
12	Coercivity and energy product of thin Smâ€"Co layers. Journal of Applied Physics, 2002, 91, 8183.	1.1	33
13	HARD MAGNETIC PROPERTIES OF MULTILAYERED SmCo/Co PERMANENT MAGNETS. International Journal of Modern Physics B, 2001, 15, 3243-3246.	1.0	10
14	The influence of anneal time on exchange-coupling in Nd/sub 2/Fe/sub 14/B/Î±-Fe films. IEEE Transactions on Magnetics, 2001, 37, 2579-2581.	1.2	9
15	Hard magnetic properties of rapidly annealed NdFeB thin films on Nb and V buffer layers. Journal of Magnetism and Magnetic Materials, 2001, 224, 233-240.	1.0	11
16	MAGNETISM AND SUPERCONDUCTIVITY IN NANOSTRUCTURED Nb-Dy SYSTEMS. International Journal of Modern Physics B, 2001, 15, 3308-3311.	1.0	0
17	MÃ¶ssbauer studies of manganese ferrite fine particles processed by ball-milling. Journal of Magnetism and Magnetic Materials, 2000, 220, 139-146.	1.0	94
18	Structure and magnetic properties of NdFeB thin films with Cr, Mo, Nb, Ta, Ti, and V buffer layers. Journal of Magnetism and Magnetic Materials, 2000, 212, 59-68.	1.0	33

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19	Structural and magnetic characterization of aerogel-produced Ge0.5Fe2.5Oy nanoparticles. Journal of Magnetism and Magnetic Materials, 2000, 212, 112-120.	1.0	10
20	Magnetic properties of thin film and granular Dy50Fe50 as a function of size. Journal of Applied Physics, 2000, 87, 6137-6139.	1.1	5
21	Coercitivity and its temperature dependence in NdFeB thin films with Cr, Mo, Ti, or Ta buffer layers. Journal of Applied Physics, 2000, 87, 6131-6133.	1.1	25
22	Influence of nanostructure (layers and particles) on the magnetism of rare-earth materials. Journal of Applied Physics, 1999, 85, 4322-4324.	1.1	36
23	MÃ¶ssbauer study of aerogel-synthesized Ge-Fe-oxide with TN near 260 K. Journal of Magnetism and Magnetic Materials, 1998, 186, 377-380.	1.0	1
24	Influence of nanostructure on magnetic properties of strong anisotropy systems. Journal of Magnetism and Magnetic Materials, 1996, 156, 141-142.	1.0	4
25	Magnetic state of thin DyFe amorphous layers. Journal of Magnetism and Magnetic Materials, 1996, 162, 183-188.	1.0	4
26	Temperature-independent magnetic relaxation in rare-earth layers. Physical Review B, 1996, 53, 3381-3387.	1.1	4
27	Finite size effects in nanoscale Tb particles. Journal of Applied Physics, 1996, 79, 5299.	1.1	31
28	Evidence for quantum mesoscopic tunneling in rareâ€earth layers. Journal of Applied Physics, 1994, 76, 6174-6176.	1.1	21
29	Inverted hysteresis in magnetic systems with interface exchange. Journal of Applied Physics, 1994, 75, 6673-6675.	1.1	68
30	Irradiation effects on the YBa2Cu3O7-? superconducting compound. Applied Physics A: Solids and Surfaces, 1994, 59, 597-599.	1.4	0
31	Inverted hysteresis loops in CoO-based multilayers. Journal of Magnetism and Magnetic Materials, 1993, 127, 181-189.	1.0	39
32	Phase transitions and critical phenomena in alloys with random anisotropy. Physical Review B, 1993, 48, 13614-13624.	1.1	5
33	Structure and magnetic properties of Co(Zr,â€‰B)/Cu multilayers. Journal of Applied Physics, 1991, 69, 5304-5306.	1.1	8
34	Anisotropy and double (reentrant) transitions in rare-earth-transition metal alloys. Journal of Magnetism and Magnetic Materials, 1991, 99, 103-118.	1.0	22
35	Magnetic properties and structure of DyNi/Mo multilayers. Journal of Applied Physics, 1991, 69, 5292-5294.	1.1	5
36	Dependence of interface anisotropy on rare earth inR/Mo (R=Dy,Er) multilayers. Journal of Applied Physics, 1991, 70, 6212-6214.	1.1	5

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37	Critical behavior in alloys with random magnetic anisotropy. Journal of Applied Physics, 1990, 67, 5781-5783.	1.1	9
38	The magnetic state and its macroscopic anisotropy in amorphous rareâ€earth alloys (invited). Journal of Applied Physics, 1990, 67, 5769-5774.	1.1	21
39	Attempts to prepare Biâ€based superconductors on a carbon fiber substrate. Journal of Applied Physics, 1990, 67, 5023-5025.	1.1	2
40	Surface studies of potentially protective films on gadolinium. Chemistry of Materials, 1990, 2, 7-12.	3.2	3
41	Superconductivity and electronic structure of Bi-based compounds. Physical Review B, 1989, 39, 6640-6651.	1.1	23
42	Movable Uniaxial Macroscopic Anisotropy in Amorphous Tb-Fe. Europhysics Letters, 1989, 9, 283-288.	0.7	7
43	Double-transitions in Gd-Mn and Gd-Ni glasses. Journal of Magnetism and Magnetic Materials, 1988, 75, 175-184.	1.0	12
44	Rigid spin rotation in amorphous rare-earth alloys. Physical Review B, 1988, 37, 9824-9826.	1.1	8
45	Magnetic transitions and phases in randomâ€anisotropy magnets. Journal of Applied Physics, 1988, 63, 3743-3745.	1.1	22
46	Transition behavior in Gdâ€Co based alloys with strong anisotropy. Journal of Applied Physics, 1988, 63, 3740-3742.	1.1	7
47	Magnetic transitions and scaling in anisotropic rareâ€earth glasses. Journal of Applied Physics, 1987, 61, 3616-3618.	1.1	19
48	Effect of alloying elements on the doubleâ€transition behavior of a Gdâ€rich spinâ€glass system. Journal of Applied Physics, 1987, 61, 3613-3615.	1.1	9
49	Magnetic properties, phase transitions and microstructural effects in mixed GdLa-based glasses. Journal of Magnetism and Magnetic Materials, 1987, 65, 93-98.	1.0	9
50	Double-transition behavior induced by anisotropy. Physical Review B, 1986, 34, 4944-4947.	1.1	18
51	Spinâ€glass and doubleâ€transition behavior in Gdâ€La glasses. Journal of Applied Physics, 1985, 57, 3470-3472.	1.1	6
52	Magnetic transitions and scaling behavior in Gd-rich glasses. Physical Review B, 1985, 32, 7502-7511.	1.1	21
53	Phase transitions in random anisotropy magnets. Solid State Communications, 1983, 46, 313-316.	0.9	15
54	Random anisotropy, exchange fluctuations and phase transitions in rare earth glasses. Journal of the Less Common Metals, 1983, 94, 59-68.	0.9	21

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55	Inhomogeneities in potassium single crystals revealed using the de Haas-van Alphen effect. Journal of Physics F: Metal Physics, 1983, 13, 357-363.	1.6	2
56	Magnetic properties of hydrides of rare earthâ€“transition metal glasses. Journal of Applied Physics, 1982, 53, 7798-7800.	1.1	19
57	Effect of anisotropy strength on phase transitions in random anisotropy magnets. Journal of Applied Physics, 1982, 53, 7722-7724.	1.1	10
58	Search for Charge-Density Waves in Potassium. Physical Review Letters, 1981, 46, 1303-1306.	2.9	13