Elisabetta Agostinelli

List of Publications by Citations

73 papers	1,334 citations	20 h-index	33 g-index
76 ext. papers	1,456 ext. citations	3.7 avg, IF	3.79 L-index

#	Paper	IF	Citations
73	Spin-glass-like freezing and enhanced magnetization in ultra-small CoFe2O4 nanoparticles. *Nanotechnology*, **2010**, 21, 125705	3.4	140
72	An XPS study of the electronic structure of the ZnxCd1−xCr2(X = S, Se) spinel system. *Journal of Physics and Chemistry of Solids*, **1989**, 50, 269-272	3.9	110
71	Bimagnetic CoO Core/CoFe2O4 Shell Nanoparticles: Synthesis and Magnetic Properties. *Chemistry of Materials*, **2012**, 24, 512-516	9.6	68
70	Synthesis of magnetic zeolite at low temperature using a waste material mixture: Fly ash and red mud. *Microporous and Mesoporous Materials*, **2015**, 202, 208-216	5.3	60
69	Magnetic interactions in silica coated nanoporous assemblies of CoFe2O4 nanoparticles with cubic magnetic anisotropy. *Nanotechnology*, **2010**, 21, 315701	3.4	57
68	Solvothermal synthesis of MnFe2O4 nanoparticles: The role of polymer coating on morphology and magnetic properties. *Journal of Magnetism and Magnetic Materials*, **2016**, 399, 236-244	2.8	52
67	Tuning the Size and Shape of Oxide Nanoparticles by Controlling Oxygen Content in the Reaction Environment: Morphological Analysis by Aspect Maps. *Chemistry of Materials*, **2015**, 27, 1982-1990	9.6	48
66	Physicochemical investigation of pulsed laser deposited carbonated hydroxyapatite films on titanium. *ACS Applied Materials & Interfaces*, **2009**, 1, 1813-20	9.5	43
65	Red mud as aluminium source for the synthesis of magnetic zeolite. *Microporous and Mesoporous Materials*, **2018**, 270, 24-29	5.3	38
64	Magnetic Interactions and Energy Barrier Enhancement in Core/Shell Bimagnetic Nanoparticles. *Journal of Physical Chemistry C*, **2015**, 119, 15755-15762	3.8	37
63	Origin of magnetic anisotropy in ZnO/CoFe2O4 and CoO/CoFe2O4 core/shell nanoparticle systems. *Applied Physics Letters*, **2012**, 101, 252405	3.4	37
62	Superparamagnetic blocking and superspin-glass freezing in ultra small □(Fe(0.67)Mn(0.33))OOH particles. *Physical Chemistry Chemical Physics*, **2012**, 14, 3162-9	3.6	35
61	Superconducting thin films of Bi-Sr-Ca-Cu-O obtained by laser ablation processing. *Applied Physics Letters*, **1988**, 53, 321-323	3.4	35
60	Shape-control by microwave-assisted hydrothermal method for the synthesis of magnetite nanoparticles using organic additives. *Journal of Nanoparticle Research*, **2015**, 17, 1	2.3	28
59	Spin-glass behaviour in cobalt oxyspinel CoGa2O4. *Journal of Magnetism and Magnetic Materials*, **1986**, 54-57, 83-84	2.8	28
58	Hemiporphyrazine, a porphyrin-related macrocycle that induces rhombically compressed stereochemistries: structure and properties of bis(pyridine)(hemiporphyrazinato)nickel(II). *Inorganic Chemistry*, **1984**, 23, 1162-1165	5.1	25
57	Effect of oxygen partial pressure on PLD cobalt oxide films. *Applied Surface Science*, **2008**, 254, 5111-5116	6.7	24

56	Great reduction of particulates in pulsed laser deposition of Ag□o films by using a shaded off-axis geometry. *Applied Surface Science*, **2000**, 156, 143-148	6.7	23
55	Magnetization reversal mechanism in perpendicular exchange-coupled Fe/L10□ePt bilayers. *New Journal of Physics*, **2012**, 14, 073008	2.9	22
54	Structural and Morphological Characterization by Energy Dispersive X-ray Diffractometry and Reflectometry Measurements of Cr/Pt Bilayer Films. *Chemistry of Materials*, **2004**, 16, 292-298	9.6	22
53	Exchange bias and magnetothermal properties in Fe@Mn nanocomposites. *Journal of Magnetism and Magnetic Materials*, **2012**, 324, 3503-3507	2.8	18
52	Crystal growth, thermodynamical and structural study of CoGa2O4 and ZnCr2O4 single crystals. *Journal of Crystal Growth*, **1986**, 79, 410-416	1.6	18
51	Magnetic properties of vitreous and crystalline PbV2O6. *Journal of Non-Crystalline Solids*, **1986**, 84, 329-336	3.9	17
50	Microstructure and magnetic properties of (0 01) textured L10 FePt films on amorphous glass substrate. *Applied Surface Science*, **2015**, 337, 118-124	6.7	16
49	Size effects in the spin□lop transition of hematite nanoparticles. *Journal of Magnetism and Magnetic Materials*, **2004**, 272-276, 1575-1576	2.8	16
48	Crystallographic and magnetic investigations on cobalt gallium sulfides: □CoGa2S4 and □CoGa2S4. *Journal of Physics and Chemistry of Solids*, **1985**, 46, 1345-1349	3.9	16
47	Exchange bias and surface effects in bimagnetic CoO□ore/Co0.5Ni0.5Fe2O4-shell nanoparticles. *Physical Review B*, **2016**, 94,	3.3	15
46	Magnetic anisotropy and intergrain interactions in L10CoPt(1 1 1)/Pt(1 1 1)/MgO(1 0 0) PLD granular films with tilted easy axes. *Journal Physics D: Applied Physics*, **2008**, 41, 134017	3	15
45	Crystal growth and X-ray structural investigatton of two forms of HgGa2Te4. *Materials Chemistry and Physics*, **1985**, 12, 303-312	4.4	15
44	Evolution of the Pt layer deposited on MgO(001) by pulsed laser deposition as a function of the deposition parameters: a scanning tunneling microscopy and energy dispersive X-ray diffractometry/reflectometry study. *Journal of Physical Chemistry B*, **2006**, 110, 5529-36	3.4	14
43	Exchange Bias in CoFe2O4/NiO nanocomposites. *Superlattices and Microstructures*, **2009**, 46, 125-129	2.8	13
42	Interface exchange coupling in a CoPt/NiO bilayer. *Thin Solid Films*, **2013**, 543, 162-166	2.2	12
41	High Tc superconducting thin films: An analysis of reflectance spectra. *Physica C: Superconductivity and Its Applications*, **1991**, 180, 116-119	1.3	12
40	Spin-glass like behaviour in a concentrated chromium spinel: Zn0.5Cd0.5Cr2S4. *Solid State Communications*, **1985**, 56, 541-543	1.6	12
39	Highly Textured FeCo Thin Films Deposited by Low Temperature Pulsed Laser Deposition. *ACS Applied Materials & Interfaces*, **2015**, 7, 22341-7	9.5	11

38	Surface Effects in Ultrathin Iron Oxide Hollow Nanoparticles: Exploring Magnetic Disorder at the Nanoscale. *Journal of Physical Chemistry C*, **2018**, 122, 7516-7524	3.8	11
37	Disordered magnetic properties in the system ZnxCd1−xCr2S4. *Journal of Magnetism and Magnetic Materials*, **1992**, 104-107, 1641-1642	2.8	11
36	Superspin glass state in a diluted nanoparticle system stabilized by interparticle interactions mediated by an antiferromagnetic matrix. *Nanotechnology*, **2017**, 28, 035701	3.4	10
35	A low temperature and solvent-free direct chemical synthesis of L10 FePt nanoparticles with size tailoring. *Green Chemistry*, **2014**, 16, 2292-2297	10	10
34	Study of microstructure and magnetization reversal mechanism in granular CoCrPt:SiO2 films of variable thickness. *Materials Chemistry and Physics*, **2013**, 141, 790-796	4.4	10
33	Ordered arrays of FePt nanoparticles on unoxidized silicon surface by wet chemistry. *Superlattices and Microstructures*, **2009**, 46, 95-100	2.8	10
32	Reduced splashing effect in laser ablated superconducting thin films formed from a melt-quenched nonsuperconducting amorphous target. *Journal of Materials Research*, **1990**, 5, 2075-2078	2.5	9
31	Study of structural microstructural and magnetic properties of very thin Co50Pt50 films deposited by PLD. *Materials Science and Engineering C*, **2007**, 27, 1466-1469	8.3	8
30	Preparation and characterization of textured thick films of the 2212 phase in the BSCCO and BPSCCO systems. *Physica C: Superconductivity and Its Applications*, **1991**, 176, 216-226	1.3	8
29	Magnetic anisotropy phase-graded A1/L1 0 -FePt films on amorphous glass substrates. *Materials and Design*, **2017**, 123, 147-153	8.1	7
28	Study of Magnetic Easy Axis 3-D Arrangement in L1$_{0}$ CoPt(111)/Pt(111)/MgO(100) Tilted System for Perpendicular Recording. *IEEE Transactions on Magnetics*, **2008**, 44, 643-647	2	7
27	Investigation of static and dynamic magnetic properties of Joule heated granular Co10Cu90 ribbons. *Journal of Magnetism and Magnetic Materials*, **1999**, 202, 123-132	2.8	7
26	Static and Dynamic Magnetic Properties of Melt-Spun Granular Cu100-xCox Alloys. *Materials Science Forum*, **1996**, 235-238, 705-710	0.4	6
25	Hyperfine parameters of amorphous Fe64Cr16B20 particles dispersed in an alumina matrix. *Hyperfine Interactions*, **1990**, 55, 933-937	0.8	6
24	Growth, thermodynamic and magneto-structural study of FeGa2O4 single crystals. *Journal of Crystal Growth*, **1991**, 112, 644-650	1.6	5
23	Preparation and characterization of the superconducting system Bi1−PbxSrCaCu2Oy. *Journal of Materials Research*, **1989**, 4, 1103-1110	2.5	5
22	XPS studies of iron sodium borosilicate glasses. *Journal of Non-Crystalline Solids*, **1987**, 95-96, 373-379	3.9	5
21	Exchange Bias in fcc-CoPt/CoO/Si films as a function of annealing treatment. *Superlattices and Microstructures*, **2009**, 46, 90-94	2.8	4

20	Structural and magnetic properties of PLD Co□Ag granular thin films. *Journal of Magnetism and Magnetic Materials*, **1999**, 203, 196-198	2.8	4
19	Laser ablation deposition of superconducting Bi-Sr-Ca-Cu-O thin films on zirconia-buffered crystalline quartz. *Journal of Applied Physics*, **1989**, 65, 4447-4449	2.5	4
18	Stabilization of the 108 K superconducting phase in the Bi0.7Pb0.3SrCaCu1.8O y system. *Journal of Superconductivity and Novel Magnetism*, **1989**, 2, 361-367		4
17	Magnetic measurements on Bi-Sr-Ca-Cu-O superconductor. *Journal of Magnetism and Magnetic Materials*, **1990**, 83, 509-510	2.8	4
16	Structural and magnetic properties of granular Co-Ag thin films deposited by pulsed laser deposition. *Scripta Materialia*, **1998**, 10, 217-233		3
15	Structural, morphological and magnetic study of CoPt/Cr/MgO films by energy dispersive X-ray diffractometry and reflectometry measurements. *Journal of Magnetism and Magnetic Materials*, **2004**, 272-276, E873-E874	2.8	3
14	Study of Magnetic Properties of Joule Heated Granular CoxCu100-x Ribbons. *Materials Science Forum*, **1999**, 307, 153-158	0.4	3
13	Magnetic investigation of Bi 2 Sr 2 CaCu 2 O 8+x single crystals. *Physica C: Superconductivity and Its Applications*, **1989**, 162-164, 319-320	1.3	3
12	T1 as a function of larmor frequency in solid CH4 at 4.2 K: An experiment on recent theories. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **1983**, 95, 118-120	2.3	3
11	Ledge-type Co/L10-FePt exchange-coupled composites. *Journal of Applied Physics*, **2016**, 119, 233904	2.5	3
10	Magnetic and transport properties of Co□Ag nanocrystalline particles. *Materials Science and Engineering C*, **2002**, 19, 151-154	8.3	2
9	Magnetic properties of YBa2Cu3O7□ superconductor: Flux trapping and glassy like features. *Physica C: Superconductivity and Its Applications*, **1988**, 153-155, 334-335	1.3	2
8	Investigation of magnetization reversal processes in CoPt/Pt thin films. *Journal of Magnetism and Magnetic Materials*, **2005**, 290-291, 467-470	2.8	1
7	Relaxation effects in Bi2Sr2Ca1Cu2O8+xand Bi1.7Pb0.3Sr2Ca1Cu2O8+xsingle crystals. *Superconductor Science and Technology*, **1991**, 4, S223-S225	3.1	1
6	Synthesis and Use in Catalysis of Hematite Nanoparticles Obtained from a Polymer Supported Fe(III) Complex. *European Journal of Inorganic Chemistry*,	2.3	1
5	Structural and magnetic properties of pulsed laser deposited CoPt3 films. *Journal of Magnetism and Magnetic Materials*, **2004**, 272-276, E907-E908	2.8	
4	Magnetic investigation of dissipative effects in Bi-Pb-Sr-Ca-Cu-O thick films. *Physica C: Superconductivity and Its Applications*, **1991**, 180, 172-175	1.3	
3	Irreversibility (H, T) line in Bi-Pb-Sr-Ca-CuO superconductor. *Journal of Magnetism and Magnetic Materials*, **1992**, 104-107, 603-604	2.8	

2 Magnetic susceptibility and magnetization measurements on YBa2Cu3O7⊠ sintered samples. *Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics*, **1989**, 11, 1355-1365

1 Dissipative effects in Bi2Sr2Ca1Cu2O8 + x and Bi1.7Pb0.3Sr2Ca1Cu2O8 + x single crystals. *Journal of the Less Common Metals*, **1990**, 164-165, 553-558