

Elisabetta Agostinelli

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Red mud as aluminium source for the synthesis of magnetic zeolite. <i>Microporous and Mesoporous Materials</i> , 2018 , 270, 24-29	5.3	38
72	Surface Effects in Ultrathin Iron Oxide Hollow Nanoparticles: Exploring Magnetic Disorder at the Nanoscale. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 7516-7524	3.8	11
71	Magnetic anisotropy phase-graded Al/L10-FePt films on amorphous glass substrates. <i>Materials and Design</i> , 2017 , 123, 147-153	8.1	7
70	Superspin glass state in a diluted nanoparticle system stabilized by interparticle interactions mediated by an antiferromagnetic matrix. <i>Nanotechnology</i> , 2017 , 28, 035701	3.4	10
69	Exchange bias and surface effects in bimagnetic CoO _{core} /Co _{0.5} Ni _{0.5} Fe ₂ O ₄ -shell nanoparticles. <i>Physical Review B</i> , 2016 , 94,	3.3	15
68	Solvothermal synthesis of MnFe ₂ O ₄ nanoparticles: The role of polymer coating on morphology and magnetic properties. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 399, 236-244	2.8	52
67	Ledge-type Co/L10-FePt exchange-coupled composites. <i>Journal of Applied Physics</i> , 2016 , 119, 233904	2.5	3
66	Magnetic Interactions and Energy Barrier Enhancement in Core/Shell Bimagnetic Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 15755-15762	3.8	37
65	Microstructure and magnetic properties of (0 01) textured L10 FePt films on amorphous glass substrate. <i>Applied Surface Science</i> , 2015 , 337, 118-124	6.7	16
64	Tuning the Size and Shape of Oxide Nanoparticles by Controlling Oxygen Content in the Reaction Environment: Morphological Analysis by Aspect Maps. <i>Chemistry of Materials</i> , 2015 , 27, 1982-1990	9.6	48
63	Highly Textured FeCo Thin Films Deposited by Low Temperature Pulsed Laser Deposition. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 22341-7	9.5	11
62	Shape-control by microwave-assisted hydrothermal method for the synthesis of magnetite nanoparticles using organic additives. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	28
61	Synthesis of magnetic zeolite at low temperature using a waste material mixture: Fly ash and red mud. <i>Microporous and Mesoporous Materials</i> , 2015 , 202, 208-216	5.3	60
60	A low temperature and solvent-free direct chemical synthesis of L10 FePt nanoparticles with size tailoring. <i>Green Chemistry</i> , 2014 , 16, 2292-2297	10	10
59	Interface exchange coupling in a CoPt/NiO bilayer. <i>Thin Solid Films</i> , 2013 , 543, 162-166	2.2	12
58	Study of microstructure and magnetization reversal mechanism in granular CoCrPt:SiO ₂ films of variable thickness. <i>Materials Chemistry and Physics</i> , 2013 , 141, 790-796	4.4	10
57	Origin of magnetic anisotropy in ZnO/CoFe ₂ O ₄ and CoO/CoFe ₂ O ₄ core/shell nanoparticle systems. <i>Applied Physics Letters</i> , 2012 , 101, 252405	3.4	37

56	Superparamagnetic blocking and superspin-glass freezing in ultra small $[(\text{Fe}(0.67)\text{Mn}(0.33))\text{OOH}]$ particles. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 3162-9	3.6	35
55	Exchange bias and magnetothermal properties in Fe@Mn nanocomposites. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 3503-3507	2.8	18
54	Magnetization reversal mechanism in perpendicular exchange-coupled Fe/L10FePt bilayers. <i>New Journal of Physics</i> , 2012 , 14, 073008	2.9	22
53	Bimagnetic CoO Core/CoFe ₂ O ₄ Shell Nanoparticles: Synthesis and Magnetic Properties. <i>Chemistry of Materials</i> , 2012 , 24, 512-516	9.6	68
52	Spin-glass-like freezing and enhanced magnetization in ultra-small CoFe ₂ O ₄ nanoparticles. <i>Nanotechnology</i> , 2010 , 21, 125705	3.4	14 ⁰
51	Magnetic interactions in silica coated nanoporous assemblies of CoFe ₂ O ₄ nanoparticles with cubic magnetic anisotropy. <i>Nanotechnology</i> , 2010 , 21, 315701	3.4	57
50	Exchange Bias in fcc-CoPt/CoO/Si films as a function of annealing treatment. <i>Superlattices and Microstructures</i> , 2009 , 46, 90-94	2.8	4
49	Ordered arrays of FePt nanoparticles on unoxidized silicon surface by wet chemistry. <i>Superlattices and Microstructures</i> , 2009 , 46, 95-100	2.8	10
48	Exchange Bias in CoFe ₂ O ₄ /NiO nanocomposites. <i>Superlattices and Microstructures</i> , 2009 , 46, 125-129	2.8	13
47	Physicochemical investigation of pulsed laser deposited carbonated hydroxyapatite films on titanium. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 1813-20	9.5	43
46	Study of Magnetic Easy Axis 3-D Arrangement in L1 ₀ CoPt(111)/Pt(111)/MgO(100) Tilted System for Perpendicular Recording. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 643-647	2	7
45	Magnetic anisotropy and intergrain interactions in L1 ₀ CoPt(1 1 1)/Pt(1 1 1)/MgO(1 0 0) PLD granular films with tilted easy axes. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 134017	3	15
44	Effect of oxygen partial pressure on PLD cobalt oxide films. <i>Applied Surface Science</i> , 2008 , 254, 5111-5116	6.7	24
43	Study of structural microstructural and magnetic properties of very thin Co ₅₀ Pt ₅₀ films deposited by PLD. <i>Materials Science and Engineering C</i> , 2007 , 27, 1466-1469	8.3	8
42	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. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 5529-36	3.4	14
41	Investigation of magnetization reversal processes in CoBt/Pt thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 290-291, 467-470	2.8	1
40	Structural and magnetic properties of pulsed laser deposited CoPt ₃ films. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, E907-E908	2.8	
39	Size effects in the spin flop transition of hematite nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 1575-1576	2.8	16

38	Structural, morphological and magnetic study of CoPt/Cr/MgO films by energy dispersive X-ray diffractometry and reflectometry measurements. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, E873-E874	2.8	3
37	Structural and Morphological Characterization by Energy Dispersive X-ray Diffractometry and Reflectometry Measurements of Cr/Pt Bilayer Films. <i>Chemistry of Materials</i> , 2004 , 16, 292-298	9.6	22
36	Magnetic and transport properties of CoAg nanocrystalline particles. <i>Materials Science and Engineering C</i> , 2002 , 19, 151-154	8.3	2
35	Great reduction of particulates in pulsed laser deposition of AgCo films by using a shaded off-axis geometry. <i>Applied Surface Science</i> , 2000 , 156, 143-148	6.7	23
34	Study of Magnetic Properties of Joule Heated Granular CoCu100-x Ribbons. <i>Materials Science Forum</i> , 1999 , 307, 153-158	0.4	3
33	Structural and magnetic properties of PLD CoAg granular thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 1999 , 203, 196-198	2.8	4
32	Investigation of static and dynamic magnetic properties of Joule heated granular Co ₁₀ Cu ₉₀ ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 1999 , 202, 123-132	2.8	7
31	Structural and magnetic properties of granular Co-Ag thin films deposited by pulsed laser deposition. <i>Scripta Materialia</i> , 1998 , 10, 217-233		3
30	Static and Dynamic Magnetic Properties of Melt-Spun Granular Cu _{100-x} Co _x Alloys. <i>Materials Science Forum</i> , 1996 , 235-238, 705-710	0.4	6
29	Irreversibility (H, T) line in Bi-Pb-Sr-Ca-CuO superconductor. <i>Journal of Magnetism and Magnetic Materials</i> , 1992 , 104-107, 603-604	2.8	
28	Disordered magnetic properties in the system ZnxCd _{1-x} Cr ₂ S ₄ . <i>Journal of Magnetism and Magnetic Materials</i> , 1992 , 104-107, 1641-1642	2.8	11
27	High T _c superconducting thin films: An analysis of reflectance spectra. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 180, 116-119	1.3	12
26	Preparation and characterization of textured thick films of the 2212 phase in the BSCCO and BPSCCO systems. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 176, 216-226	1.3	8
25	Growth, thermodynamic and magneto-structural study of FeGa ₂ O ₄ single crystals. <i>Journal of Crystal Growth</i> , 1991 , 112, 644-650	1.6	5
24	Magnetic investigation of dissipative effects in Bi-Pb-Sr-Ca-Cu-O thick films. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 180, 172-175	1.3	
23	Relaxation effects in Bi ₂ Sr ₂ Ca ₁ Cu ₂ O _{8+x} and Bi _{1.7} Pb _{0.3} Sr ₂ Ca ₁ Cu ₂ O _{8+x} single crystals. <i>Superconductor Science and Technology</i> , 1991 , 4, S223-S225	3.1	1
22	Hyperfine parameters of amorphous Fe ₆₄ Cr ₁₆ B ₂₀ particles dispersed in an alumina matrix. <i>Hyperfine Interactions</i> , 1990 , 55, 933-937	0.8	6
21	Magnetic measurements on Bi-Sr-Ca-Cu-O superconductor. <i>Journal of Magnetism and Magnetic Materials</i> , 1990 , 83, 509-510	2.8	4

20	Reduced splashing effect in laser ablated superconducting thin films formed from a melt-quenched nonsuperconducting amorphous target. <i>Journal of Materials Research</i> , 1990 , 5, 2075-2078	2.5	9
19	Dissipative effects in Bi ₂ Sr ₂ Ca ₁ Cu ₂ O _{8+x} and Bi _{1.7} Pb _{0.3} Sr ₂ Ca ₁ Cu ₂ O _{8+x} single crystals. <i>Journal of the Less Common Metals</i> , 1990 , 164-165, 553-558		
18	Preparation and characterization of the superconducting system Bi _{1-x} Pb _x SrCaCu ₂ O _y . <i>Journal of Materials Research</i> , 1989 , 4, 1103-1110	2.5	5
17	Laser ablation deposition of superconducting Bi-Sr-Ca-Cu-O thin films on zirconia-buffered crystalline quartz. <i>Journal of Applied Physics</i> , 1989 , 65, 4447-4449	2.5	4
16	Magnetic susceptibility and magnetization measurements on YBa ₂ Cu ₃ O _{7-x} sintered samples. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1989 , 11, 1355-1365		
15	An XPS study of the electronic structure of the Zn _x Cd _{1-x} Cr ₂ (X = S, Se) spinel system. <i>Journal of Physics and Chemistry of Solids</i> , 1989 , 50, 269-272	3.9	110
14	Magnetic investigation of Bi ₂ Sr ₂ CaCu ₂ O _{8+x} single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 319-320	1.3	3
13	Stabilization of the 108 K superconducting phase in the Bi _{0.7} Pb _{0.3} SrCaCu _{1.8} O _y system. <i>Journal of Superconductivity and Novel Magnetism</i> , 1989 , 2, 361-367		4
12	Magnetic properties of YBa ₂ Cu ₃ O _{7-x} superconductor: Flux trapping and glassy like features. <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 153-155, 334-335	1.3	2
11	Superconducting thin films of Bi-Sr-Ca-Cu-O obtained by laser ablation processing. <i>Applied Physics Letters</i> , 1988 , 53, 321-323	3.4	35
10	XPS studies of iron sodium borosilicate glasses. <i>Journal of Non-Crystalline Solids</i> , 1987 , 95-96, 373-379	3.9	5
9	Crystal growth, thermodynamical and structural study of CoGa ₂ O ₄ and ZnCr ₂ O ₄ single crystals. <i>Journal of Crystal Growth</i> , 1986 , 79, 410-416	1.6	18
8	Spin-glass behaviour in cobalt oxyspinel CoGa ₂ O ₄ . <i>Journal of Magnetism and Magnetic Materials</i> , 1986 , 54-57, 83-84	2.8	28
7	Magnetic properties of vitreous and crystalline PbV ₂ O ₆ . <i>Journal of Non-Crystalline Solids</i> , 1986 , 84, 329-336		17
6	Spin-glass like behaviour in a concentrated chromium spinel: Zn _{0.5} Cd _{0.5} Cr ₂ S ₄ . <i>Solid State Communications</i> , 1985 , 56, 541-543	1.6	12
5	Crystal growth and X-ray structural investigation of two forms of HgGa ₂ Te ₄ . <i>Materials Chemistry and Physics</i> , 1985 , 12, 303-312	4.4	15
4	Crystallographic and magnetic investigations on cobalt gallium sulfides: β -CoGa ₂ S ₄ and β -CoGa ₂ S ₄ . <i>Journal of Physics and Chemistry of Solids</i> , 1985 , 46, 1345-1349	3.9	16
3	Hemiporphyrzine, a porphyrin-related macrocycle that induces rhombically compressed stereochemistries: structure and properties of bis(pyridine)(hemiporphyrzinato)nickel(II). <i>Inorganic Chemistry</i> , 1984 , 23, 1162-1165	5.1	25

2	T1 as a function of larmor frequency in solid CH4 at 4.2 K: An experiment on recent theories. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1983 , 95, 118-120	2.3	3
1	Synthesis and Use in Catalysis of Hematite Nanoparticles Obtained from a Polymer Supported Fe(III) Complex. <i>European Journal of Inorganic Chemistry</i> ,	2.3	1