

Elisa Baggio-Saitovitch

List of Publications by Year in descending order

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123
papers

1,883
citations

331538

21
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39
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124
all docs

124
docs citations

124
times ranked

2855
citing authors

#	ARTICLE	IF	CITATIONS
19	Thermal effect on magnetic parameters of high-coercivity cobalt ferrite. Journal of Applied Physics, 2014, 116, .	1.1	24
20	Training-induced inversion of spontaneous exchange bias field on La _{1.5} Ca _{0.5} CoMnO ₆ . Journal of Magnetism and Magnetic Materials, 2017, 433, 271-277.	1.0	24
21	Magnetic and structural properties of ferrihydrite/hematite nanocomposites. Journal of Magnetism and Magnetic Materials, 2016, 406, 221-227.	1.0	23
22	First-order phase transitions in CaFe ₂ As ₂ single crystal: a local probe study. Journal of Physics Condensed Matter, 2011, 23, 145701.	0.7	21
23	Structural, electronic and magnetic properties of the series of double perovskites $\text{Sr}_{1-x}\text{Ca}_x\text{Co}_2\text{O}_{6-\delta}$. Journal of Applied Physics, 2011, 110, 084107.	1.4	21
24	Effect of rare earth doping on BiFeO ₃ magnetic and structural properties (La, Gd). Journal of Physics: Conference Series, 2010, 200, 012134.	0.3	20
25	Ferromagnetic resonance study of the misalignment between anisotropy axes in exchange-biased NiFe/FeMn/Co trilayers. Applied Physics Letters, 2014, 104, .	1.5	20
26	Physical properties of disordered double-perovskite Ca _{2-x} LaxFeIrO ₆ . Journal of Applied Physics, 2008, 103, .	1.1	18
27	Magnetization studies in IrMn/Co/Ru/NiFe spin valves with weak interlayer coupling. Journal of Applied Physics, 2009, 106, 113903.	1.1	18
28	Structural and magnetic properties of the La _{2-x} Ca _x CoIrO ₆ double perovskite series. Journal of Solid State Chemistry, 2015, 221, 373-377.	1.4	18
29	Static magnetic order of Sr _{1-x} Ca _x Co ₂ O _{6-δ} . Journal of Applied Physics, 2011, 110, 084107.	1.1	17
30	Extended solubility in non-equilibrium Pb/Fe system. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 390, 13-18.	2.6	16
31	Tin-Platinum catalysts interactions on titania and silica. Applied Surface Science, 2007, 253, 9215-9220.	3.1	16
32	Spontaneous vortex phases in superconductor-ferromagnet Pb-Co nanocomposite films. Physical Review B, 2008, 78, .	1.1	16
33	Magnetic interactions in the $S = 1/2$ square-lattice antiferromagnets Ba ₂ CuTeO ₆ and Ba ₂ CuWO ₆ : parent phases of a possible spin liquid. Chemical Communications, 2019, 55, 1132-1135.	2.2	15
34	In Fe_2MnGa Heusler alloy do Fe and Mn sublattices magnetically couple parallel or antiparallel at low temperatures?. Journal of Alloys and Compounds, 2015, 628, 164-169.	2.8	14
35	Structural, electronic and magnetic properties of the series of double perovskites $\text{Sr}_{1-x}\text{Ca}_x\text{Co}_2\text{O}_{6-\delta}$. Journal of Applied Physics, 2011, 110, 084107.	1.1	14
36	Superconductivity in Bi/Ni bilayer system: Clear role of superconducting phases found at Bi/Ni interface. Physical Review Materials, 2018, 2, .	0.9	14

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37	Studies of electrical resistivity under pressure on superconducting Sn-doped CeCoIn. Physica B: Condensed Matter, 2005, 359-361, 398-400.	1.3	13
38	Antiferromagnetic ordering of divalent Eu in Eu ₃ Ir ₄ Sn ₁₃ intermetallic compound. Physica B: Condensed Matter, 2006, 384, 332-335.	1.3	13
39	Luminescence of SrAl ₂ O ₄ :Cr ³⁺ . Journal of Materials Science, 2008, 43, 464-468.	1.7	13
40	Analysis of the weak coupling of the IrMn/Co/Ru/NiFe structures by ferromagnetic resonance. Journal of Applied Physics, 2011, 109, .	1.1	13
41	Parallel ferromagnetic resonance and spin-wave excitation in exchange-biased NiFe/IrMn bilayers. Physica B: Condensed Matter, 2014, 450, 167-172.	1.3	13
42	Anomaly close to an electronic topological semimetal-insulator transition in elemental fcc-Yb under pressure. Journal of Applied Physics, 2013, 114, 143711.	1.1	12
43	Mössbauer study of superconducting NdFeAsO _{0.88} F _{0.12} and its parent compound NdFeAsO. Journal of Physics Condensed Matter, 2009, 21, 455701.	0.7	11
44	Controlled switching between paramagnetic and diamagnetic Meissner effects in superconductor-ferromagnet Pb-Co nanocomposites. Physical Review B, 2009, 80, .	1.1	11
45	Magnetism in superconducting EuFe ₂ As _{1.4} PO ₆ single crystals studied by local probes. Solid State Communications, 2014, 187, 18-22.	0.9	11
46	Synthesis of nanostructured iron oxides dispersed in carbon materials and in situ XRD study of the changes caused by thermal treatment. Journal of Nanoparticle Research, 2015, 17, 1.	0.8	11
47	Structural and magnetic properties of Ni ₈₁ Fe ₁₉ /Zr multilayers. Journal of Magnetism and Magnetic Materials, 2004, 277, 144-152.	1.0	10
48	Synthesis and characterization of iron oxide nanoparticles dispersed in mesoporous aluminum oxide or silicon oxide. Journal of Materials Science, 2011, 46, 766-773.	1.7	10
49	Electrical resistivity under extreme conditions in the Ce ₃ Ir ₄ Sn ₁₃ heavy fermion compound. Solid State Communications, 2014, 177, 132-135.	0.9	10
50	Magnetic composites from minerals: study of the iron phases in clay and diatomite using Mössbauer spectroscopy, magnetic measurements and XRD. Hyperfine Interactions, 2014, 224, 197-204.	0.2	10
51	Heavy fermion Ce ₃ Co ₄ Sn ₁₃ compound under pressure. Journal of Applied Physics, 2015, 117, 17E307.	1.1	10
52	Nanocrystallization process in Finemet-type alloys followed by in situ Mössbauer spectroscopy. Journal of Alloys and Compounds, 2004, 379, 23-27.	2.8	9
53	Study of the interfacial regions in Fe~Cr multilayers. Journal of Applied Physics, 2007, 102, 073902.	1.1	9
54	The role of cationic disorder on the magnetic properties of double perovskites(Ca,Sr) _{2-x} LaxFelrO ₆ . Physica B: Condensed Matter, 2009, 404, 3285-3288.	1.3	9

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55	Ferromagnetic resonance study of dual exchange bias field behavior in NiFe/IrMn/Co trilayers. Applied Physics Letters, 2013, 102, .	1.5	9
56	Discontinuous reactions in melt-spun Cu ₁₀ Co alloys and their effect on magnetic anisotropy. Journal of Materials Science, 2014, 49, 6167-6179.	1.7	9
57	Effects of Nb buffer layer on superconducting and magnetic behavior of IrMn/NiFe/Nb/NiFe spin-valves. Journal of Magnetism and Magnetic Materials, 2015, 390, 114-117.	1.0	9
58	Pressure effects on the structural and superconducting transitions in La ₃ Co ₄ Sn ₁₃ . Journal of Alloys and Compounds, 2019, 773, 34-39.	2.8	9
59	Griffiths phase and spontaneous exchange bias in La _{1.5} Sr _{0.5} CoMn _{0.5} Fe _{0.5} O ₆ . Journal of Physics Condensed Matter, 2021, 33, 065804.	0.7	9
60	Study of superconducting BaGeCo compounds. Physica C: Superconductivity and Its Applications, 2004, 408-410, 869-871.	0.6	8
61	Oscillations of the ferromagnetic resonance linewidth and magnetic phases in Co/Ru superlattices. Physical Review B, 2008, 78, .	1.1	8
62	Structural and Magnetic Properties of the New La ₂ SrCo ₂ FeO ₉ Triple Perovskite. Journal of Superconductivity and Novel Magnetism, 2013, 26, 2313-2317.	0.8	8
63	Mechano-synthesis, structural and magnetic characterization, and heat release of $\frac{1}{2}$ -Fe nanoparticles embedded in a $\frac{1}{4}$ stite matrix. Journal of Magnetism and Magnetic Materials, 2015, 391, 83-88.	1.0	8
64	Superconductivity and antiferromagnetism in Ba _{0.75} K _{0.25} Fe ₂ As ₂ . Physical Review B, 2011, 83, 020407.	1.1	7
65	Superconductivity and antiferromagnetism in Ba _{0.75} K _{0.25} Fe ₂ As ₂ . Physical Review B, 2011, 83, 020407.	1.1	7
66	Magnetic frustration in low-dimensional substructures of hulsite Ni _{5.15} Sn _{0.85} (O ₂ BO ₃) ₂ . Physical Review B, 2018, 98, .	1.1	7
67	Long-range interaction and induced spin polarization in the spacer of the NiO/Cu/NiFe and NiO/Cr/NiFe trilayers. Journal Physics D: Applied Physics, 2009, 42, 135001.	1.3	6
68	Study of the interlayer coupling and its temperature dependence in spin valves with Ru and Cu spacers. Journal of Applied Physics, 2010, 107, 073909.	1.1	6
69	Aggregates of iron in ytterbium films. Hyperfine Interactions, 2011, 203, 143-147.	0.2	6
70	Characterization of oxides of stainless steel UNS S30400 formed in offshore environment. Corrosion Science, 2012, 55, 34-39.	3.0	6
71	Influence of high energy milling on the microstructure and magnetic properties of the Al ₁₆ Cu ₂₃ Fe ₁₃ quasicrystalline and the Al ₇₀ Cu ₂₀ Fe ₁₀ crystalline phases. RSC Advances, 2016, 6, 5367-5376.	1.7	6
72	Magnetic properties of MgCNi _{3-x} Fe _x by the first-principles study. Physica C: Superconductivity and Its Applications, 2004, 408-410, 154-156.	0.6	5

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73	Ferromagnetic resonance study of sputtered NiFe/V/NiFe heterostructures. Journal of Magnetism and Magnetic Materials, 2015, 377, 104-110.	1.0	5
74	Anti-Lenz supercurrents in superconducting spin valves. Physical Review B, 2017, 95, .	1.1	5
75	Influence of the insertion of a nano-oxide layer on the interfacial magnetism of FeMn ²⁺ NiFe ²⁺ Cu ²⁺ NiFe spin valves. Journal of Applied Physics, 2007, 101, 103910.	1.1	4
76	High-energy ion beam irradiation of Co/NiFe/Co/Cu multilayers: Effects on the structural, transport and magnetic properties. Thin Solid Films, 2008, 516, 2087-2093.	0.8	4
77	Two superconducting phases in the bi-layered alloys. Physica B: Condensed Matter, 2008, 403, 780-782.	1.3	4
78	Superconducting transition in Pb/Co nanocomposites: effect of Co volume fraction and external magnetic field. European Physical Journal B, 2010, 76, 353-357.	0.6	4
79	Electric field gradients of CeMn ₅ (M=Co, Rh, Ir) heavy-fermion systems studied by perturbed angular correlations and ab initio electronic structure calculations. Physical Review B, 2013, 87, .	1.1	4
80	Iron nano-clusters in ytterbium films: a ⁵⁷ Fe Mössbauer spectroscopic study. Hyperfine Interactions, 2014, 224, 299-305.	0.2	4
81	Magnetic properties of Ni ₅ Sn(O ₂ BO ₃) ₂ ludwigite. Physical Review B, 2021, 103, .	1.1	4
82	Thermal diffusivity and its lower bound in orthorhombic SnSe. Physical Review B, 2021, 104, .	1.1	4
83	Magnetic structure of RuSr ₂ (Eu _{1.5} Ce _{0.5})Cu ₂ O ₁₀ studied by ¹¹⁹ Sn Mössbauer spectroscopy. Physica C: Superconductivity and Its Applications, 2006, 442, 33-38.	0.6	3
84	Spin reorientation in Al/Metglas 2605S2/Al trilayers induced by magnetoelastic effect. Journal of Applied Physics, 2008, 104, 053905.	1.1	3
85	Study of the interfacial magnetism in NiO/NiFe system. Thin Solid Films, 2010, 518, 4312-4317.	0.8	3
86	Residual superconducting phases in the disordered $Ce_{2-x}Mn_x$ Physical Review B, 2010, 82, .	1.1	3
87	Magnetic dynamics of dilute iron nano-clusters in silver films from Mössbauer spectroscopy and muon spin rotation. Hyperfine Interactions, 2011, 203, 149-153.	0.2	3
88	Ferromagnetic resonance study of structure and relaxation of magnetization in NiFe/Ru superlattices. Journal of Magnetism and Magnetic Materials, 2014, 350, 100-106.	1.0	3
89	Linear-in-temperature resistivity close to a topological metal insulator transition in ultra-multi valley fcc-ytterbium. Journal of Magnetism and Magnetic Materials, 2016, 398, 270-274.	1.0	3
90	Spin texture on top of flux avalanches in Nb/Al ₂ O ₃ /Co thin film heterostructures. Journal of Applied Physics, 2017, 121, 013905.	1.1	3

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91	Structural and magnetic properties of the products of the transformation of ferrihydrite: Effect of cobalt dications. Journal of Magnetism and Magnetic Materials, 2017, 429, 339-347.	1.0	3
92	Spin glass-like properties and exchange bias in La _{1.5} Sr _{0.5} Co ₂ O ₆ . Journal of Magnetism and Magnetic Materials, 2017, 441, 243-247.	1.0	3
93	Unconventional enhancement of ferromagnetic interactions in Cd-doped single crystals studied by ESR and $GdFe_{1-x}Mn_x$ $x=0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7$. Physical Review B, 2020, 102, .	1.1	3
94	Shape resonances and the T_c dependence on film thickness of Ni/Bi systems. Superconductor Science and Technology, 2022, 35, 015012.	1.8	3
95	Magnetic field dependence of the intragrain transition in RuSr ₂ GdCu ₂ O ₈ . Physica C: Superconductivity and Its Applications, 2004, 408-410, 191-192.	0.6	2
96	Quantum Criticality of CePt and YbFe ₂ Ge ₂ Heavy Fermions under Pressure. Journal of the Physical Society of Japan, 2007, 76, 156-161.	0.7	2
97	Magnetic phases and structural properties in Co/Ru superlattices. Journal of Applied Physics, 2009, 105, 093905.	1.1	2
98	Superconductor-insulator transition tuned by annealing in Bi-film on top of Co-clusters. European Physical Journal B, 2013, 86, 1.	0.6	2
99	Formation of nanostructured γ -Al ₇ Cu ₂ Fe crystalline phase by the ball milling technique. Hyperfine Interactions, 2014, 224, 83-88.	0.2	2
100	Effect of interface roughness on superconducting transition temperatures of Nb/Co multilayers. Journal of Magnetism and Magnetic Materials, 2016, 401, 242-247.	1.0	2
101	Analyzing the magnetic profile in NiFe/NiO bilayers. Journal of Magnetism and Magnetic Materials, 2017, 428, 198-203.	1.0	2
102	The Influence of temperature and applied magnetic field on the exchange bias effect of La _{1.5} Ca _{0.5} Co ₂ O ₆ . Journal of Magnetism and Magnetic Materials, 2017, 428, 70-72.	1.0	2
103	Structural and magnetic properties of the Ni ₅ Ti(O ₂ BO ₃) ₂ ludwigite. Physical Review Materials, 2019, 3, .	0.9	2
104	Quantum critical point in ferromagnetic Kondo lattice CePt at high pressure. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 54-55.	1.0	1
105	Defective structure in the high-T _c superconductor Hg-1234. Physica C: Superconductivity and Its Applications, 2004, 408-410, 50-51.	0.6	1
106	Measurements and analysis of the upper critical field H_{c2} of underdoped and overdoped La _{2-x} Sr _x CuO ₄ series of compounds. Physical Review B, 2007, 76, .	1.1	1
107	Pressure-temperature phase diagrams of in-plane doped CeRhIn ₅ . Physica C: Superconductivity and Its Applications, 2007, 460-462, 672-673.	0.6	1
108	Publisher's Note: Electric field gradients of CeMn ₅ (M=Co, Rh, Ir) heavy-fermion systems studied by perturbed angular correlations and ab initio electronic structure calculations [Phys. Rev. B 87, 155132 (2013)]. Physical Review B, 2013, 87, .	1.1	1

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109	Magnetic properties of Fe nano-clusters stabilized at grain boundaries of Yb films. Journal of Applied Physics, 2014, 116, .	1.1	1
110	Magnetotransport properties in the magnetic phase of $\text{BaFe}_{2-x}\text{TxA}_2$ (T=Co,Ni) : A magnetic excitations approach. Physical Review B, 2018, 97, .	1.1	1
111	Magnon excitations and quantum critical behavior of the ferromagnet $\text{U}_4\text{Ru}_7\text{Ge}_6$. Physical Review B, 2018, 98, .	1.1	1
112	Thickness effect on the easy axis distribution in exchange biased Co/IrMn bilayers. Physica B: Condensed Matter, 2019, 567, 11-16.	1.3	1
113	Ferromagnetic resonance of quasiperiodic Au/Co Fibonacci multilayers: Magnetic anisotropy and interlayer coupling. Journal of Magnetism and Magnetic Materials, 2019, 474, 250-253.	1.0	1
114	Reply to "Comment on "Unconventional enhancement of ferromagnetic interactions in Cd-doped $\text{GdFe}_2\text{Zn}_2\text{O}$ single crystals studied by ESR and ^{57}Fe Mössbauer spectroscopies". Physical Review B, 2021, 103, .		1
115	Phase diagram for $(\text{Ti}_{0.5}\text{Pb}_{0.5})(\text{Ba}_{0.2}\text{Sr}_{0.8})_2\text{Ca}_2\text{Cu}_3\text{O}_{8+\delta}$ (Tl-1223) polycrystalline sample with optimum oxygen content. Physica C: Superconductivity and Its Applications, 2004, 408-410, 54-55.	0.6	0
116	Pressure and magnetic field effects on the transport critical current in $\text{Hg}_{0.82}\text{Re}_{0.18}\text{Ba}_2\text{Ca}_2\text{Cu}_3\text{O}_{8+\delta}$ ceramic superconductor. Physica C: Superconductivity and Its Applications, 2004, 408-410, 756-758.	0.6	0
117	heavy fermion system under pressure. Journal of Magnetism and Magnetic Materials, 2007, 310, e206-e208.	1.0	0
118	Antiferromagnetic $\text{CeCoGe}_{2.1}\text{Si}_{0.9}$ Kondo lattice under pressure. Physica B: Condensed Matter, 2008, 403, 1233-1235.	1.3	0
119	Magnetism in $(\text{Ca,Sr})_2\text{RuO}_4$ observed by ^{119}Sn -Mössbauer spectroscopy. Journal of Magnetism and Magnetic Materials, 2008, 320, e522-e525.	1.0	0
120	$\text{La}_{2-x}\text{Sr}_x\text{CuO}_{4-\delta}$ superconducting samples prepared by the wet-chemical method. Physica B: Condensed Matter, 2009, 404, 3113-3115.	1.3	0
121	Insulator"superconductor transition in bi-layers of Co clusters and Bi. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	0
122	Exchange Anisotropy and Antiferromagnetic Coupling in NiFe/FeMn/Co Trilayers. IEEE Transactions on Magnetism, 2013, 49, 4530-4533.	1.2	0
123	Effect of titania on the characteristics of a Tin-Platinum catalyst. Hyperfine Interactions, 2015, 232, 59-66.	0.2	0