Laura B Steren

List of Publications by Year
in descending order

79	1,133	361296	434063
papers	citations	20 h-index	31 g-index

80	80	80	1205
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Inverse spin-valve-type magnetoresistance in spin engineered multilayered structures. Physical Review Letters, 1994, 72, 408-411.	2.9	125
2	Exchange-bias effect at La<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.75</mml:mn></mml:mrow></mml:msub></mml:math>Sr<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.25</mml:mn></mml:mrow></mml:msub></mml:math>MnO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>	1.1	71
3	Boundary for weak ferromagnetism inSm2â^'xGdxCuO4solid solutions. Physical Review B, 1992, 46, 2874-2878.	1.1	45
4	Depression of the weak-ferromagnetism of CuO2 planes in Gd2CuO4 through Ce and Th doping. Physica C: Superconductivity and Its Applications, 1989, 160, 341-346.	0.6	44
5	Magnetic relaxation in bulk and film manganite compounds. Physical Review B, 2001, 64, .	1.1	44
6	Crystal-field interaction in theGdxEu1â^'xBa2Cu3O7â^'Î´superconductors. Physical Review B, 1988, 38, 257-261.	1.1	43
7	High perpendicular coercive field of CoFe2O4 thin films deposited by PLD. Journal of Alloys and Compounds, 2004, 369, 209-212.	2.8	39
8	Effect of Dipolar Interaction on the Antiferromagnetic Resonance Spectra of NiO. Physical Review Letters, 2004, 93, 077601.	2.9	38
9	Substrate influence on the magnetoresistance and magnetic order in La0.6Sr0.4MnO3 films. Journal of Magnetism and Magnetic Materials, 2000, 211, 28-34.	1.0	36
10	Thickness dependence of the properties of La0.6Sr0.4MnO3 thin films. Thin Solid Films, 2000, 373, 102-106.	0.8	32
11	Angular dependence of the giant magnetoresistance effect. Physical Review B, 1995, 51, 292-296.	1.1	30
12	Magnetization reversal and anomalous dependence of the coercive field with temperature in MnAs epilayers grown on GaAs. Physical Review B, 2006, 74, .	1.1	30
13	Substrate effect on the magnetic behavior of manganite films. Journal of Applied Physics, 2000, 87, 6755-6757.	1.1	29
14	Antiferromagnetism at the YBa2Cu3O7/La2/3Ca1/3MnO3 interface. Applied Physics Letters, 2004, 84, 3927-3929.	1.5	28
15	AES and factor analysis study of silicide growth at the Pd/c-Si interface. Applied Surface Science, 1987, 29, 418-426.	3.1	25
16	Anisotropic magnetoresistance in manganites: experiment and theory. Journal of Physics Condensed Matter, 2010, 22, 146001.	0.7	25
17	Giant magnetoresistance in hybrid magnetic nanostructures including both layers and clusters. Physical Review B, 1994, 50, 12999-13002.	1.1	23
18	Magnetic ordered phase inLa0.6Sr0.4MnO3ferromagnets. Physical Review B, 2002, 65, .	1.1	23

#	Article	IF	Citations
19	Strongly frustrated magnetism and colossal magnetoresistance in polycrystallineLa0.47Ce0.20Ca0.33MnO3. Physical Review B, 2003, 67, .	1.1	23
20	Oxygen and disorder effect in the magnetic properties of manganite films. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1171-1173.	1.0	22
21	R - M interactions in (R = Y or Gd; M=Cu or Zn). Journal of Physics Condensed Matter, 1996, 8, 4529-4537.	0.7	20
22	Magnetic coupling and magnetoresistance in La0.55Sr0.45MnO3/ La0.67Ca0.33 MnO3 multilayers. Journal of Applied Physics, 2003, 93, 6177-6181.	1.1	20
23	Barkhausen-like steps and magnetic frustration in dopedLa0.67â˜'xAxCa0.33MnO3(A=Ce,Y). Physical Review B, 2006, 73, .	1.1	20
24	Giant magnetoresistance in magnetic nanostructures. Recent developments. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1995, 31, 1-9.	1.7	17
25	Metal-insulator transition induced by postdeposition annealing in low doped manganite films. Journal of Applied Physics, 2009, 105, 033902.	1.1	17
26	Influence of ion implantation on the magnetic and transport properties of manganite films. Physical Review B, 2010, 81, .	1.1	17
27	Oxygen environment of Fe ions in YBa2Cu3O7+Î´: A MÃ¶ssbauer study. Solid State Communications, 1988, 66, 381-385.	0.9	15
28	Giant magnetoresistance in hybrid nanostructures. Journal of Magnetism and Magnetic Materials, 1995, 151, 324-332.	1.0	13
29	Structure of high-Tc/manganite perovskite superlattices. Journal of Applied Physics, 2003, 94, 3011-3014.	1.1	13
30	Structural, magnetic and electrical properties of ferromagnetic/ferroelectric multilayers. Journal of Applied Physics, 2011, 109, 123920.	1.1	13
31	Weak ferromagnetism induced by the external ield aboveTNin GdzCuO4. Journal of Applied Physics, 1993, 73, 5710-5712.	1.1	12
32	Giant magnetoresistance in magnetic nanostructures. Scripta Materialia, 1995, 6, 217-226.	0.5	12
33	Magnetic study of La0.75Sr0.25MnO3/LaNiO3 multilayers. Physica B: Condensed Matter, 2006, 384, 68-70.	1.3	10
34	Local study of the magnetism of Co-doped ZnO thin films. Journal Physics D: Applied Physics, 2006, 39, 1739-1742.	1.3	9
35	Giant magnetoresistance in hybrid magnetic nanostructures. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 495-496.	1.0	8
36	Giant magnetoresistance in Co90Fe10/Ag multilayers with discontinuous magnetic layers. Journal of Magnetism and Magnetic Materials, 1997, 165, 316-319.	1.0	8

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37	MAGNETIC AND STRUCTURAL PROPERTIES OF SOME ABa2Cu3O7âˆ’Î´ SUPERCONDUCTORS. International Journal of Modern Physics B, 1987, 01, 989-992.	1.0	7
38	Structural and electrical characterization of ultra-thin SrTiO₃tunnel barriers grown over YBa₂Cu₃O₇electrodes for the development of highT_cJosephson junctions. Nanotechnology, 2012, 23, 495715.	1.3	7
39	BaTiO 3 thin films on platinized silicon: Growth, characterization and resistive memory behavior. Thin Solid Films, 2017, 628, 208-213.	0.8	7
40	Combined impurity and band effects on the appearance of inverse giant magnetoresistance in Cu/Fe multilayers with Cr. Physical Review B, 2002, 66, .	1.1	6
41	Thermal enhancement of the antiferromagnetic exchange coupling between Fe epilayers separated by a crystalline ZnSe spacer. Journal of Physics Condensed Matter, 2006, 18, 9105-9118.	0.7	6
42	Giant magnetoresistance in oxide-based metallic multilayers. Applied Physics Letters, 2007, 91, 072110.	1.5	6
43	Magnetoresistance effect in (La, Sr)MnO₃bicrystalline films. Journal of Physics Condensed Matter, 2010, 22, 346007.	0.7	6
44	Magnetic ordering in dilute GdxEu1âˆ’xBa2Cu3O7âˆ’Î´ superconductors. Physica C: Superconductivity and Its Applications, 1988, 153-155, 188-189.	0.6	5
45	Transport properties of pulsed laser deposited La0.67Sr0.33MnO3 thin films. Applied Surface Science, 2002, 186, 458-462.	3.1	5
46	Roughness in manganite-based superlattices. Applied Surface Science, 2007, 254, 219-221.	3.1	5
47	Direct observation of electronic inhomogeneities induced by point defect disorder in manganite films. Journal of Applied Physics, 2010, 107, 113903.	1.1	5
48	Size effects on the phase coexistence in MnAs/GaAs(001) ribbons. Physical Review B, 2010, 81, .	1.1	5
49	Magnetic order and weak ferromagnetic transition in Gd2CuO4. Journal of Applied Physics, 2000, 87, 5911-5913.	1.1	4
50	Magnetic properties of Fe/ZnSe/Fe trilayers. Physica B: Condensed Matter, 2002, 320, 162-164.	1.3	4
51	Magnetic and transport properties of Agâˆ•Co90Fe10 granular multilayers. Journal of Applied Physics, 2004, 96, 7392-7398.	1.1	4
52	Ferromagnetic resonance study of MnAs/GaAs(111) thin films. Physica B: Condensed Matter, 2007, 398, 372-375.	1.3	4
53	Correlation between structure and magnetic properties of manganite-based multilayers. Journal of Applied Physics, 2003, 93, 7244-7246.	1.1	3
54	Semiclassical electronic transport in MnAs thin films. Journal of Magnetism and Magnetic Materials, 2008, 320, e415-e417.	1.0	3

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55	Detection of the magnetostructural phase coexistence in MnAs epilayers at a very early stage. Applied Physics Letters, 2008, 92, .	1.5	3
56	Structural and transport characterization of ultra thin Ba0.05Sr0.95TiO3 layers grown over Nb electrodes for the development of Josephson junctions. Applied Physics Letters, 2012, 100, .	1.5	3
57	Fe/MnAs bilayers: Magnetic anisotropy and the role of the interface. Physica B: Condensed Matter, 2012, 407, 3161-3164.	1.3	3
58	Anisotropic magnetic-field-induced phase transition in MnAs nanoribbons. Applied Physics Letters, 2015, 107, 012407.	1.5	3
59	Magnetic and electrical properties of single-phase multiferroic (1-x)Pb(Zr0.52Ti0.48)O3â€“xPb(Fe0.5Nb0.5)O3 thin films prepared by sol-gel route. Journal of the European Ceramic Society, 2022, 42, 2282-2289.	2.8	3
60	Giant Magnetoresistance in Hybrid Magnetic Nanostructures Including Both Layers and Clusters. Materials Research Society Symposia Proceedings, 1995, 384, 415.	0.1	2
61	GIANT MAGNETORESISTANCE AND CLUSTER-SIZE DISTRIBUTION IN Co/Ag GRANULAR MONOLAYERS. Surface Review and Letters, 1996, 03, 1065-1069.	0.5	2
62	Metal/insulator manganite multilayers. Physica B: Condensed Matter, 2002, 320, 172-174.	1.3	2
63	Interface disorder and transport properties in HTC/CMR superlattices. Physica C: Superconductivity and Its Applications, 2004, 408-410, 896-897.	0.6	2
64	Hall effect in La0.6Sr0.4MnO3 thin films. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1836-1838.	1.0	2
65	Effect of magneto-structural phase coexistence in MnAs on the magnetic behavior of MnAs/Fe bilayers. Journal of Magnetism and Magnetic Materials, 2008, 320, e408-e411.	1.0	2
66	Magnetic reorientation and thermal stability in MnAs/GaAs (100) micro patterns driven by size effects. Journal of Applied Physics, 2012, 112, 013915.	1.1	2
67	Combined effects of vertical and lateral confinement on the magnetic properties of MnAs micro and nano-ribbons. Journal of Applied Physics, 2016, 120, 093905.	1.1	2
68	Thermally assisted interlayer magnetic coupling through Ba0.05Sr0.95TiO3 barriers. Applied Physics Letters, 2016, 109, 062402.	1.5	2
69	Tuning the interfacial charge, orbital, and spin polarization properties in La0.67Sr0.33MnO3/La1â^'xSrxMnO3 bilayers. Applied Physics Letters, 2018, 112, 032401.	1.5	2
70	Nanoscale magnetic and charge anisotropies at manganite interfaces. RSC Advances, 2019, 9, 38604-38611.	1.7	2
71	Nanoscale structural characterization of manganite thin films integrated to silicon correlated with their magnetic and electric properties. Thin Solid Films, 2020, 709, 138189.	0.8	2
72	Stabilization of the tetragonal phase of YBa2Cu3O7â^'Î´through the addition of Fe impurities. Journal of Applied Physics, 1988, 63, 4164-4166.	1.1	1

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73	A new multilayer system:. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 611-612.	1.0	1
74	Disorder influence on the magnetic properties of La0.55Sr0.45MnO3/SrTiO3 superlattices. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1244-1246.	1.0	1
75	Magnetic after-effect in manganite films. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 847-848.	1.0	0
76	Calculation of transport properties of Coâ€“Ag-based multilayered granular alloys. Physica B: Condensed Matter, 2002, 320, 146-148.	1.3	0
77	Band contribution to electronic transport in Co/Ag based multilayered granular alloys. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E931-E932.	1.0	0
78	Structure and magnetic properties of La2/3Sr1/3MnO3/CaMnO3 multilayers. Physica B: Condensed Matter, 2004, 354, 113-116.	1.3	0
79	Electrical conductivity around the topological percolation limit in Coâ€“Ag multilayered granular alloys. Physica B: Condensed Matter, 2004, 354, 198-202.	1.3	0