

# Paolo Perna

## List of Publications by Year in descending order

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62  
papers

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331670

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315739

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docs citations

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times ranked

2449  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sub-nT Resolution of Single Layer Sensor Based on the AMR Effect in $\text{La}_{2/3}\text{Sr}_{1/3}\text{MnO}_3$ Thin Films. IEEE Transactions on Magnetics, 2022, 58, 1-4.	2.1	8
2	Electronic Properties of Fully Strained $\text{La}_x\text{Sr}_{1-x}\text{MnO}_3$ Thin Films Grown by Molecular Beam Epitaxy (0.15 at% $x$ to 0.45). ACS Omega, 2022, 7, 14571-14578.	3.5	6
3	Interfacial Exchange Phenomena Driven by Ferromagnetic Domains. Advanced Materials Interfaces, 2022, 9, .	3.7	2
4	Effective control of the magnetic anisotropy in ferromagnetic MnBi micro-islands. Journal of Alloys and Compounds, 2021, 852, 156731.	5.5	3
5	Spin-Orbit Torque from the Introduction of Cu Interlayers in Pt/Cu/Co/Pt Nanolayered Structures for Spintronic Devices. ACS Applied Nano Materials, 2021, 4, 487-492.	5.0	11
6	Large Perpendicular Magnetic Anisotropy in Nanometer-Thick Epitaxial Graphene/Co/Heavy Metal Heterostructures for Spin-Orbitronics Devices. ACS Applied Nano Materials, 2021, 4, 4398-4408.	5.0	13
7	Engineering the spin conversion in graphene monolayer epitaxial structures. APL Materials, 2021, 9, .	5.1	9
8	Thermally Activated Processes for Ferromagnet Intercalation in Graphene-Heavy Metal Interfaces. ACS Applied Materials & Interfaces, 2020, 12, 4088-4096.	8.0	10
9	Epitaxial strain and thickness dependent structural, electrical and magnetic properties of $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ films. Journal Physics D: Applied Physics, 2020, 53, 375005.	2.8	21
10	Intrinsic Mixed Bloch-Néel Character and Chirality of Skyrmions in Asymmetric Epitaxial Trilayers. ACS Applied Materials & Interfaces, 2020, 12, 25419-25427.	8.0	12
11	Room temperature biaxial magnetic anisotropy in $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ thin films on $\text{SrTiO}_3$ buffered MgO (001) substrates for spintronic applications. Applied Physics Letters, 2018, 113, .	3.3	16
12	Unraveling Dzyaloshinskii-Moriya Interaction and Chiral Nature of Graphene/Cobalt Interface. Nano Letters, 2018, 18, 5364-5372.	9.1	60
13	Engineering Large Anisotropic Magnetoresistance in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ Films at Room Temperature. Advanced Functional Materials, 2017, 27, 1700664.	14.9	39
14	Emergence of the Stoner-Wohlfarth astroid in thin films at dynamic regime. Scientific Reports, 2017, 7, 13474.	3.3	11
15	Direct observation of temperature-driven magnetic symmetry transitions by vectorial resolved MOKE magnetometry. Journal of Physics Condensed Matter, 2017, 29, 405805.	1.8	3
16	Tuning domain wall velocity with Dzyaloshinskii-Moriya interaction. Applied Physics Letters, 2017, 111, .	3.3	40
17	Thickness and angular dependent magnetic anisotropy of $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ thin films by Vectorial Magneto Optical Kerr Magnetometry. Journal of Physics: Conference Series, 2017, 903, 012021.	0.4	5
18	Two-dimensional chiral asymmetry in unidirectional magnetic anisotropy structures. AIP Advances, 2016, 6, 055819.	1.3	2

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19	Chiral asymmetry driven by unidirectional magnetic anisotropy in Spin-Orbitronic systems. Proceedings of SPIE, 2016, , .	0.8	0
20	Observation of Localized Vibrational Modes of Graphene Nanodomains by Inelastic Atom Scattering. Nano Letters, 2016, 16, 2-7.	9.1	26
21	Interfacial exchange-coupling induced chiral symmetry breaking of spin-orbit effects. Physical Review B, 2015, 92, .	3.2	9
22	Towards spintronics materials for energy saving. , 2015, , .		0
23	Note: Vectorial-magneto optical Kerr effect technique combined with variable temperature and full angular range all in a single setup. Review of Scientific Instruments, 2015, 86, 046109.	1.3	13
24	Direct experimental determination of the anisotropic magnetoresistive effects. Applied Physics Letters, 2014, 104, 202407.	3.3	12
25	Optical spectra of LaMn <sub>0.5</sub> Ga <sub>0.5</sub> O <sub>3</sub> : A contribution to the assignment of the electronic transitions in manganites. Physica B: Condensed Matter, 2014, 433, 102-106.	2.7	11
26	Spatially Resolved, Site-Dependent Charge Transfer and Induced Magnetic Moment in TCNQ Adsorbed on Graphene. Chemistry of Materials, 2014, 26, 2883-2890.	6.7	42
27	Vectorial Kerr magnetometer for simultaneous and quantitative measurements of the in-plane magnetization components. Review of Scientific Instruments, 2014, 85, 053904.	1.3	32
28	Persistent Photoconductivity in 2D Electron Gases at Different Oxide Interfaces. Advanced Optical Materials, 2013, 1, 834-843.	7.3	48
29	Time-resolved optical response of all-oxide YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> thin films. Applied Physics Letters, 2013, 103, 082101.	3.2	18
30	Experimental evidence of correlation between 1/f noise level and metal-to-insulator transition temperature in epitaxial La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> thin films. Journal of Applied Physics, 2013, 114, 024301.	2.8	16
31	Enhanced selectivity towards O <sub>2</sub> and H <sub>2</sub> dissociation on ultrathin Cu films on Ru(0001). Journal of Chemical Physics, 2012, 137, 074706.	3.0	16
32	Magnetization reversal signatures in the magnetoresistance of magnetic multilayers. Physical Review B, 2012, 86, .	3.2	15
33	Direct observation of magnetization reversal and low field magnetoresistance of epitaxial La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> /SrTiO <sub>3</sub> (001) thin films at room temperature. Journal of Applied Physics, 2012, 112, .	2.5	11
34	Electron Transfer and Ionic Displacements at the Origin of the 2D Electron Gas at the LAO/STO Interface: Direct Measurements with Atomic-Column Spatial Resolution. Advanced Materials, 2012, 24, 3952-3957.	21.0	132
35	Exploring the limits of soft x-ray magnetic holography: Imaging magnetization reversal of buried interfaces (invited). Journal of Applied Physics, 2011, 109, 07D357.	2.5	10
36	Tailoring magnetic anisotropy in epitaxial half metallic La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> thin films. Journal of Applied Physics, 2011, 110, .	2.5	42

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37	Substrate-induced magnetic anisotropy in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> epitaxial thin films grown onto (110) and (111,8) SrTiO <sub>3</sub> substrates. Journal of Physics: Conference Series, 2011, 303, 012058.	0.4	1
38	Role of anisotropy configuration in exchange-biased systems. Journal of Applied Physics, 2011, 109, .	2.5	24
39	Magnetization reversal in half metallic La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> films grown onto vicinal surfaces. Journal of Applied Physics, 2011, 109, 07B107.	2.5	16
40	Energy and symmetry of dd excitations in undoped layered cuprates measured by Cu <sub>L</sub> resonant inelastic x-ray scattering. New Journal of Physics, 2011, 13, 043026.	2.9	130
41	Magnetic properties of pseudomorphic epitaxial films of $\Pr_{0.7}\text{MnO}_3$ under different biaxial tensile stresses. Physical Review B, 2010, 82, .	3.2	11
42	Conducting interfaces between band insulating oxides: The LaGaO <sub>3</sub> /SrTiO <sub>3</sub> heterostructure. Applied Physics Letters, 2010, 97, .	3.3	133
43	Imaging the magnetization reversal of step-induced uniaxial magnetic anisotropy in vicinal epitaxial La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> films. New Journal of Physics, 2010, 12, 103033.	2.9	16
44	Polar catastrophe and electronic reconstructions at the $\text{LaAlO}_3/\text{SrTiO}_3$ interface: Evidence from optical second harmonic generation. Physical Review B, 2009, 80, .	3.2	116
45	Highly asymmetric magnetic behavior in exchange biased systems induced by noncollinear field cooling. Applied Physics Letters, 2009, 95, .	3.3	56
46	High Curie temperature for La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> thin films deposited on CeO <sub>2</sub> /YSZ-based buffered silicon substrates. Journal of Physics Condensed Matter, 2009, 21, 306005.	1.8	33
47	Uniaxial magnetic anisotropy induced by vicinal surfaces in half metallic La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> thin films. Materials Research Society Symposia Proceedings, 2009, 1198, 7.	0.1	0
48	Charge density waves enhance the electronic noise of manganites. Physical Review B, 2009, 80, .	3.2	27
49	Growth and characterization of stable SrO-terminated SrTiO <sub>3</sub> surfaces. Applied Physics Letters, 2009, 94, .	3.3	30
50	Low frequency noise in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> thin films : effects of substrate materials and contact resistance. AIP Conference Proceedings, 2007, , .	0.4	2
51	Current-induced domain wall depinning and magnetoresistance in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> planar spin valves. Applied Physics Letters, 2007, 91, 132502.	3.3	26
52	Nonresonant microwave absorption in epitaxial $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ films	3.2	15
53	Proton Conductivity of Amorphous Hydrated Zirconia-Yttria Solid Solutions. Key Engineering Materials, 2007, 336-338, 391-394.	0.4	0
54	Experimental technique for reducing contact and background noise in voltage spectral density measurements. Review of Scientific Instruments, 2007, 78, 093905.	1.3	44

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55	Novel low-field magnetoresistive devices based on manganites. Journal of Magnetism and Magnetic Materials, 2007, 310, e684-e686.	2.3	3
56	La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> thin films on Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> /CeO <sub>2</sub> /yttria-stabilised-zirconia buffered Si(001) substrates: Electrical, magnetic and 1/f noise properties. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2007, 144, 73-77.	3.5	13
57	Structural 1/f Noise and MOKE Characterization of Vicinal La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> Thin Films. Acta Physica Polonica A, 2007, 111, 63-70.	0.5	2
58	Effect of strain in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> epitaxial films with different crystallographic orientation. Journal of Alloys and Compounds, 2006, 423, 228-231.	5.5	9
59	Direct observation of spectroscopic inhomogeneities on La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> thin films by scanning tunnelling spectroscopy. Journal of Physics Condensed Matter, 2006, 18, 8195-8204.	1.8	8
60	Magnetic and magnetotransport properties of La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> /Permalloy heterostructures. Applied Physics Letters, 2006, 88, 252504.	3.3	21
61	Intrinsic Electric Transport in CMR Thin-Films. Journal of Superconductivity and Novel Magnetism, 2005, 18, 719-722.	0.5	5
62	Transport properties in manganite thin films. Physical Review B, 2005, 71, .	3.2	49