

# Paolo Perna

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1694934/publications.pdf>

Version: 2024-02-01

62  
papers

1,531  
citations

331670

21  
h-index

315739

38  
g-index

65  
all docs

65  
docs citations

65  
times ranked

2449  
citing authors

#	ARTICLE	IF	CITATIONS
1	Conducting interfaces between band insulating oxides: The LaGaO <sub>3</sub> /SrTiO <sub>3</sub> heterostructure. Applied Physics Letters, 2010, 97, .	3.3	133
2	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
3	Energy and symmetry of dd excitations in undoped layered cuprates measured by Cu $d_{3/2}$ resonant inelastic x-ray scattering. New Journal of Physics, 2011, 13, 043026.	2.9	130
4	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
5	Unraveling Dzyaloshinskii-Moriya Interaction and Chiral Nature of Graphene/Cobalt Interface. Nano Letters, 2018, 18, 5364-5372.	9.1	60
6	Highly asymmetric magnetic behavior in exchange biased systems induced by noncollinear field cooling. Applied Physics Letters, 2009, 95, .	3.3	56
7	Transport properties in manganite thin films. Physical Review B, 2005, 71, .	3.2	49
8	Persistent Photoconductivity in 2D Electron Gases at Different Oxide Interfaces. Advanced Optical Materials, 2013, 1, 834-843.	7.3	48
9	Experimental technique for reducing contact and background noise in voltage spectral density measurements. Review of Scientific Instruments, 2007, 78, 093905.	1.3	44
10	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
11	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
12	Tuning domain wall velocity with Dzyaloshinskii-Moriya interaction. Applied Physics Letters, 2017, 111, .	3.3	40
13	Engineering Large Anisotropic Magnetoresistance in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> Films at Room Temperature. Advanced Functional Materials, 2017, 27, 1700664.	14.9	39
14	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
15	Vectorial Kerr magnetometer for simultaneous and quantitative measurements of the in-plane magnetization components. Review of Scientific Instruments, 2014, 85, 053904.	1.3	32
16	Growth and characterization of stable SrO-terminated SrTiO <sub>3</sub> surfaces. Applied Physics Letters, 2009, 94, .	3.3	30
17	Charge density waves enhance the electronic noise of manganites. Physical Review B, 2009, 80, .	3.2	27
18	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

#	ARTICLE	IF	CITATIONS
19	Observation of Localized Vibrational Modes of Graphene Nanodomains by Inelastic Atom Scattering. Nano Letters, 2016, 16, 2-7.	9.1	26
20	Role of anisotropy configuration in exchange-biased systems. Journal of Applied Physics, 2011, 109, .	2.5	24
21	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
22	Epitaxial strain and thickness dependent structural, electrical and magnetic properties of La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> films. Journal Physics D: Applied Physics, 2020, 53, 375005.	2.8	21
23	Optical response of all-oxide YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> thin films. Journal of Applied Physics, 2011, 109, 07B107.	3.2	18
24	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
25	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
26	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
27	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 Physics D: Applied Physics, 2013, 46, 202001.	2.8	16
28	Room temperature biaxial magnetic anisotropy in La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> thin films on SrTiO <sub>3</sub> buffered MgO (001) substrates for spintronic applications. Applied Physics Letters, 2018, 113, .	3.3	16
29	Nonresonant microwave absorption in epitaxial La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> thin films. Journal of Applied Physics, 2011, 109, 07B107.	3.2	15
30	Magnetization reversal signatures in the magnetoresistance of magnetic multilayers. Physical Review B, 2012, 86, .	3.2	15
31	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
32	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
33	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
34	Direct experimental determination of the anisotropic magnetoresistive effects. Applied Physics Letters, 2014, 104, 202407.	3.3	12
35	Intrinsic Mixed Bloch-Neel Character and Chirality of Skyrmions in Asymmetric Epitaxial Trilayers. ACS Applied Materials & Interfaces, 2020, 12, 25419-25427.	8.0	12
36	Magnetic properties of pseudomorphic epitaxial films of Pr <sub>1-x</sub> Ca <sub>x</sub> MnO <sub>3</sub> under different biaxial tensile stresses. Physical Review B, 2010, 82, .	3.2	11

#	ARTICLE	IF	CITATIONS
37	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
38	Optical spectra of LaMn <sub>0.5</sub> Ca <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
39	Emergence of the Stoner-Wohlfarth astroid in thin films at dynamic regime. Scientific Reports, 2017, 7, 13474.	3.3	11
40	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
41	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
42	Thermally Activated Processes for Ferromagnet Intercalation in Graphene-Heavy Metal Interfaces. ACS Applied Materials & Interfaces, 2020, 12, 4088-4096.	8.0	10
43	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
44	Interfacial exchange-coupling induced chiral symmetry breaking of spin-orbit effects. Physical Review B, 2015, 92, .	3.2	9
45	Engineering the spin conversion in graphene monolayer epitaxial structures. APL Materials, 2021, 9, .	5.1	9
46	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
47	Sub-nT Resolution of Single Layer Sensor Based on the AMR Effect in La <sub>2/3</sub> Sr <sub>1/3</sub> MnO <sub>3</sub> Thin Films. IEEE Transactions on Magnetics, 2022, 58, 1-4.	2.1	8
48	Electronic Properties of Fully Strained La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> Thin Films Grown by Molecular Beam Epitaxy (0.15 ≤ x ≤ 0.45). ACS Omega, 2022, 7, 14571-14578.	3.5	6
49	Intrinsic Electric Transport in CMR Thin-Films. Journal of Superconductivity and Novel Magnetism, 2005, 18, 719-722.	0.5	5
50	Thickness and angular dependent magnetic anisotropy of La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> thin films by Vectorial Magneto Optical Kerr Magnetometry. Journal of Physics: Conference Series, 2017, 903, 012021.	0.4	5
51	Novel low-field magnetoresistive devices based on manganites. Journal of Magnetism and Magnetic Materials, 2007, 310, e684-e686.	2.3	3
52	Direct observation of temperature-driven magnetic symmetry transitions by vectorial resolved MOKE magnetometry. Journal of Physics Condensed Matter, 2017, 29, 405805.	1.8	3
53	Effective control of the magnetic anisotropy in ferromagnetic MnBi micro-islands. Journal of Alloys and Compounds, 2021, 852, 156731.	5.5	3
54	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

#	ARTICLE	IF	CITATIONS
55	Two-dimensional chiral asymmetry in unidirectional magnetic anisotropy structures. AIP Advances, 2016, 6, 055819.	1.3	2
56	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
57	Interfacial Exchange Phenomena Driven by Ferromagnetic Domains. Advanced Materials Interfaces, 2022, 9, .	3.7	2
58	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
59	Proton Conductivity of Amorphous Hydrated Zirconia-Yttria Solid Solutions. Key Engineering Materials, 2007, 336-338, 391-394.	0.4	0
60	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
61	Towards spintronics materials for energy saving. , 2015, , .		0
62	Chiral asymmetry driven by unidirectional magnetic anisotropy in Spin-Orbitronic systems. Proceedings of SPIE, 2016, , .	0.8	0