

# Laurent Ranno

## List of Publications by Year in descending order

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80  
papers

3,058  
citations

236612

25  
h-index

155451

55  
g-index

80  
all docs

80  
docs citations

80  
times ranked

3579  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ret kinase-mediated mechanical induction of colon stem cells by tumor growth pressure stimulates cancer progression in vivo. Communications Biology, 2022, 5, 137.	2.0	4
2	Fabrication of magnetocaloric La(Fe,Si) <sub>13</sub> thick films. Journal of Applied Physics, 2020, 127, 215103.	1.1	2
3	Reversible and Irreversible Voltage Manipulation of Interfacial Magnetic Anisotropy in $\text{Pt} / \text{Co} / \text{Oxide}$ Multilayers. Physical Review Applied, 2020, 14, .	1.5	14
4	The skyrmion-bubble transition in a ferromagnetic thin film. SciPost Physics, 2018, 4, .	1.5	44
5	The Skyrmion Switch: Turning Magnetic Skyrmion Bubbles on and off with an Electric Field. Nano Letters, 2017, 17, 3006-3012.	4.5	181
6	Ionic-liquid gating of perpendicularly magnetised CoFeB/MgO thin films. Journal of Applied Physics, 2016, 120, .	1.1	11
7	Manipulating the magnetization direction of transverse domain walls in Permalloy/Ir strips using nanosecond current pulses. Journal of Magnetism and Magnetic Materials, 2016, 397, 152-156.	1.0	0
8	Non-volatile polarization switch of magnetic domain wall velocity. Applied Physics Letters, 2015, 107, .	1.5	2
9	Electric-field assisted depinning and nucleation of magnetic domain walls in FePt/Al <sub>2</sub> O <sub>3</sub> /liquid gate structures. Applied Physics Letters, 2014, 104, .	1.5	10
10	Europium Nitride: A Novel Diluted Magnetic Semiconductor. Physical Review Letters, 2013, 111, 167206.	2.9	31
11	Ferroelectric control of magnetic domains in ultra-thin cobalt layers. Applied Physics Letters, 2013, 103, 222902.	1.5	12
12	Electric-field effect on coercivity distributions in FePt magneto-electric devices. Applied Physics Letters, 2013, 102, 012409.	1.5	14
13	Electric-field control of domain wall nucleation and pinning in a metallic ferromagnet. Applied Physics Letters, 2013, 102, .	1.5	56
14	Role of the inter-sublattice exchange coupling in short-laser-pulse-induced demagnetization dynamics of GdCo and GdCoFe alloys. Physical Review B, 2013, 87, .	1.1	41
15	Voltage control of magnetism in ferromagnetic structures. Proceedings of SPIE, 2012, , .	0.8	0
16	Investigation of nickel lattice sites in diamond: Density functional theory and x-ray absorption near-edge structure experiments. Physical Review B, 2012, 86, .	1.1	8
17	Tuning Near Field Radiative Heat Flux through Surface Excitations with a Metal Insulator Transition. Physical Review Letters, 2012, 108, 234301.	2.9	138
18	High-field magnetospectroscopy to probe the $1.4\text{-eV}$ Ni color center in diamond. Physical Review B, 2012, 86, .	1.1	4

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19	Emissivity measurements with an atomic force microscope. <i>Journal of Applied Physics</i> , 2012, 111, 063110.	1.1	24
20	Switching probability sub-distributions and asymmetric magnetization reversal in FePt nanostructures. <i>New Journal of Physics</i> , 2012, 14, 113024.	1.2	1
21	Magnetization processes in a dot of ferrimagnetic garnet near the compensation temperature. <i>Journal of Physics: Conference Series</i> , 2011, 303, 012006.	0.3	3
22	Femtosecond Laser Excitation of Spin Resonances in Amorphous Ferrimagnetic $\chi = \chi_0 + \frac{C}{1 + \omega^2 \tau^2}$ <i>Physical Review Letters</i> , 2011, 107, 117202.	2.9	36
23	Magnetization reversal in composition-controlled Gd <sub>1-x</sub> Co <sub>x</sub> ferrimagnetic films close to compensation composition. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	15
24	Direct observation of Oersted-field-induced magnetization dynamics in magnetic nanostripes. <i>Physical Review B</i> , 2011, 83, .	1.1	25
25	Unconventional GMR angular dependence using a compensated ferrimagnet. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 1428-1430.	1.0	2
26	Ultrathin epitaxial cobalt films on graphene for spintronic investigations and applications. <i>New Journal of Physics</i> , 2010, 12, 103040.	1.2	74
27	Growth and properties of epitaxial GdN. <i>Journal of Applied Physics</i> , 2009, 106, .	1.1	49
28	Penetration of RF Electromagnetic Field through Thin Films of La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> Manganite. <i>Solid State Phenomena</i> , 2009, 152-153, 123-126.	0.3	0
29	Contacting individual Fe(110) dots in a single electron-beam lithography step. <i>Nanotechnology</i> , 2009, 20, 285302.	1.3	2
30	Penetration of the high-frequency electromagnetic field through thin films of Sr-doped lanthanum manganites. <i>Thin Solid Films</i> , 2009, 517, 2979-2983.	0.8	1
31	Electric Field Switching of the Magnetic Anisotropy of a Ferromagnetic Layer Exchange Coupled to the Multiferroic Compound $\chi = \chi_0 + \frac{C}{1 + \omega^2 \tau^2}$ <i>Physical Review Letters</i> , 2009, 103, 257601.	2.9	195
32	Effects of sodium doping on physical properties of La <sub>0.75</sub> Sr <sub>0.25-x</sub> Na <sub>x</sub> CoO <sub>3</sub> (0 ≤ x ≤ 0.2) cobaltites. <i>Physical B: Condensed Matter</i> , 2008, 403, 4012-4019.	1.3	16
33	Structural and magnetic properties of the (Ca <sub>1-x</sub> Na <sub>x</sub> )(Fe <sub>2-x</sub> Ti <sub>x</sub> )O <sub>4</sub> solid solution (0 ≤ x ≤ 1). <i>Journal of Alloys and Compounds</i> , 2008, 452, 234-240.	2.8	10
34	Effect of mixed alkali-element substitution on structural and magnetic properties of praseodymium manganites Pr <sub>0.9</sub> (Na <sub>1-x</sub> K <sub>x</sub> ) <sub>0.1</sub> MnO <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , 2008, 452, 249-253.	2.8	2
35	Magnetic properties of HfO <sub>2</sub> thin films. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 486206.	0.7	26
36	Epitaxial growth and surface properties of half-metal NiMnSb films. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 315211.	0.7	13

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37	Magnetic properties of coupled ultrathin NiO/Fe <sub>3</sub> O <sub>4</sub> (001) films. Physical Review B, 2007, 76, .	1.1	25
38	Electronic Structure of a Metal-Organic Copper Spin-1/2 Molecule: Bis(4-cyano-2,2,6,6-tetramethyl-3,5-heptanedionato)copper(II). Journal of the American Chemical Society, 2007, 129, 6249-6254.	6.6	8
39	Electrical and magnetic properties of Fe <sub>2</sub> O <sub>3</sub> epitaxial films. Journal of Magnetism and Magnetic Materials, 2007, 310, 2283-2285.	1.0	15
40	Giant magnetoresistance in an all-oxide spacerless junction. Applied Physics Letters, 2006, 89, 022504.	1.5	14
41	Local Structure in Strained Manganite thin Films. Physica Scripta, 2005, , 589.	1.2	2
42	The influence of magnetic and electronic inhomogeneities on magnetotransmission and magnetoresistance of La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> films. Journal of Applied Physics, 2005, 97, 103710.	1.1	26
43	Anisotropic magnetoresistance in manganite films. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1814-1815.	1.0	11
44	Magnetic properties and Hall effect of CoZrGd films. Physica Status Solidi (B): Basic Research, 2004, 241, 1514-1517.	0.7	2
45	Transport properties of the Fe <sub>3</sub> O <sub>4</sub> /Nb:SrTiO <sub>3</sub> interface. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1926-1927.	1.0	7
46	Local tetragonal distortion in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> strained thin films probed by x-ray absorption spectroscopy. Physical Review B, 2004, 70, .	1.1	48
47	Local effects in strained manganite thin films. Journal of Alloys and Compounds, 2004, 369, 205-208.	2.8	2
48	New Model for the Magnetic Structure of the Marokite-Type Oxide CaMn <sub>2</sub> O <sub>4</sub> . ChemInform, 2003, 34, no.	0.1	0
49	New model for the magnetic structure of the marokite-type oxide CaMn <sub>2</sub> O <sub>4</sub> . Journal of Alloys and Compounds, 2003, 353, 5-11.	2.8	31
50	Structural and magnetic properties of the CaFe <sub>2-x</sub> Mn <sub>x</sub> O <sub>4</sub> solid solution. Journal of Materials Chemistry, 2003, 13, 951-956.	6.7	17
51	Local anisotropy in strained manganite thin films. Applied Physics Letters, 2003, 83, 3587-3589.	1.5	9
52	Strain Effects in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> Films by X-ray Absorption Spectroscopy. AIP Conference Proceedings, 2003, , .	0.3	2
53	Electronic and magnetic transitions in Bi/Sr/Mn/O oxides: high temperature charge-ordering. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 645-647.	1.0	10
54	Correlation between magnetic properties and Hall effect in CoZrGd films. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 1178-1181.	1.0	1

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55	Anomalous high charge/orbital ordering temperature in Bi <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> . Applied Physics A: Materials Science and Processing, 2002, 74, s1787-s1789.	1.1	5
56	Strain effects in epitaxially grown La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> thin films. Physica B: Condensed Matter, 2002, 320, 83-85.	1.3	2
57	Strain-induced magnetic anisotropy in epitaxial manganite films. Applied Surface Science, 2002, 188, 170-175.	3.1	92
58	Magnetic behavior of Fe:Al <sub>2</sub> O <sub>3</sub> nanocomposite films produced by pulsed laser deposition. Journal of Applied Physics, 2001, 90, 6268-6274.	1.1	46
59	Spin-dependent tunnelling in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> /SrTiO <sub>3</sub> superlattices. Thin Solid Films, 2001, 400, 165-168.	0.8	4
60	Effect of A-cation size variance on structural and physical properties of praseodymium manganites Pr <sub>0.85</sub> (Na <sup>1-x</sup> K <sup>x</sup> ) <sub>0.15</sub> MnO <sub>3</sub> . Solid State Communications, 2001, 119, 517-521.	0.9	6
61	Orbital moment determination of simple transition metal oxides using magnetic X-ray diffraction. Journal of Physics and Chemistry of Solids, 2001, 62, 2173-2180.	1.9	33
62	Tuning Magnetotransport and Magnetic Properties of La <sub>2/3</sub> Ca <sub>1/3</sub> MnO <sub>3</sub> ; Thin Films using Epitaxial Strain. Materials Science Forum, 2001, 373-376, 517-520.	0.3	2
63	Epitaxial NiMnSb thin films prepared by facing targets sputtering. Journal of Magnetism and Magnetic Materials, 2000, 219, 97-103.	1.0	21
64	On the cross-over from half-metal to normal ferromagnet in NiMnSb. European Physical Journal B, 2000, 16, 287-293.	0.6	84
65	Local electronic transport in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> thin films studied by scanning tunneling potentiometry. Physical Review B, 2000, 62, 8596-8599.	1.1	19
66	Influence of substrate temperature on magnetotransport properties of thin films of La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> . Applied Surface Science, 1999, 138-139, 228-232.	3.1	18
67	Epitaxial MnO thin films grown by pulsed laser deposition. Applied Surface Science, 1999, 138-139, 195-198.	3.1	39
68	Field-induced transition in the paramagnetic state of (Sm <sub>0.65</sub> Sr <sub>0.35</sub> )MnO <sub>3</sub> associated with magnetic clusters. Physical Review B, 1999, 60, 12847-12851.	1.1	81
69	Transport properties of (Sm <sub>0.7</sub> A <sub>0.3</sub> )MnO <sub>3</sub> (A=Ca <sup>2+</sup> ,Sr <sup>2+</sup> ,Ba <sup>2+</sup> ,Pb <sup>2+</sup> ). Journal of Applied Physics, 1997, 81, 5763-5765.	1.1	19
70	Colossal magnetoresistance of the variable range hopping regime in the manganites. Journal of Applied Physics, 1997, 81, 4964-4966.	1.1	91
71	Production and magnetotransport properties of CrO <sub>2</sub> films. Journal of Applied Physics, 1997, 81, 5774-5776.	1.1	89
72	Magnetic localization in mixed-valence manganites. Physical Review B, 1997, 55, 8067-8070.	1.1	450

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73	Transport and magnetic properties of $A_{3+1}B_2MnO_3$ (A = La, Y or Nd, B = Ca, Sr or Ba) magnetic perovskites. Journal of Magnetism and Magnetic Materials, 1996, 157-158, 291-292.	1.0	5
74	Stoichiometry and electronic properties of. Journal of Physics Condensed Matter, 1996, 8, L33-L36.	0.7	25
75	Structural characterization of epitaxial BiSrCaCuO films on MgO substrates. Physica C: Superconductivity and Its Applications, 1995, 245, 295-300.	0.6	7
76	Electron Localization in Mixed-Valence Manganites. Physical Review Letters, 1995, 75, 3910-3913.	2.9	500
77	Characterization of epitaxial $Bi_2Sr_2CaCu_2O_{8+x}$ thin films. Journal of Superconductivity and Novel Magnetism, 1994, 7, 217-219.	0.5	4
78	Preparation and structural characterization of thin epitaxial $Bi_2Sr_2CaCu_2O_{8+x}$ films with $T_c$ in the 90 K range. Physica C: Superconductivity and Its Applications, 1993, 215, 123-131.	0.6	54
79	Phase intergrowth in $Bi_2Sr_2Ca_{1-x}CuO_y$ thin films. Physical Review B, 1993, 48, 13945-13948.	1.1	52
80	RBS study of in situ grown BiSrCaCuO films. Solid State Communications, 1992, 83, 67-71.	0.9	14