Luis E Hueso

List of Publications by Year in Descending Order

185 papers	9,491 citations	51 h-index	93 g-index
200 ext. papers	10,711 ext. citations	9.2 avg, IF	6.09 L-index

#	Paper	IF	Citations
185	Semi-paracrystallinity in semi-conducting polymers.. *Materials Horizons*, **2022**,	14.4	6
184	Exchange bias in molecule/Fe GeTe van der Waals heterostructures via spinterface effects.. *Advanced Materials*, **2022**, e2200474	24	5
183	Gate-tuneable and chirality-dependent charge-to-spin conversion in tellurium nanowires.. *Nature Materials*, **2022**,	27	4
182	Molecular Approach to Engineer Two-Dimensional Devices for CMOS and beyond-CMOS Applications. *Chemical Reviews*, **2021**,	68.1	7
181	Microcavity phonon polaritons from the weak to the ultrastrong phonon-photon coupling regime. *Nature Communications*, **2021**, 12, 6206	17.4	5
180	Disentangling Spin, Anomalous, and Planar Hall Effects in Ferromagnet/Heavy-Metal Nanostructures. *Physical Review Applied*, **2021**, 15,	4.3	1
179	Electrical Control of Valley-Zeeman Spin-Orbit-Coupling-Induced Spin Precession at Room Temperature. *Physical Review Letters*, **2021**, 127, 047202	7.4	5
178	Real-space observation of vibrational strong coupling between propagating phonon polaritons and organic molecules. *Nature Photonics*, **2021**, 15, 197-202	33.9	26
177	Tailoring Superconductivity in Large-Area SingleLayer NbSe via Self-Assembled Molecular Adlayers. *Nano Letters*, **2021**, 21, 136-143	11.5	7
176	Enhanced Light–Matter Interaction in 10B Monoisotopic Boron Nitride Infrared Nanoresonators. *Advanced Optical Materials*, **2021**, 9, 2001958	8.1	11
175	Hyperspectral Nanoimaging of van der Waals Polaritonic Crystals. *Nano Letters*, **2021**, 21, 7109-7115	11.5	3
174	Differences in the magnon diffusion length for electrically and thermally driven magnon currents in Y3Fe5O12. *Physical Review B*, **2020**, 101,	3.3	6
173	Tuning ambipolarity in a polymer field effect transistor using graphene electrodes. *Journal of Materials Chemistry C*, **2020**, 8, 8120-8124	7.1	1
172	Spin Hall Effect in Bilayer Graphene Combined with an Insulator up to Room Temperature. *Nano Letters*, **2020**, 20, 4573-4579	11.5	8
171	Gate tunability of highly efficient spin-to-charge conversion by spin Hall effect in graphene proximitized with WSe2. *APL Materials*, **2020**, 8, 071103	5.7	14
170	Room-Temperature Operation of a p-Type Molecular Spin Photovoltaic Device on a Transparent Substrate. *Advanced Materials*, **2020**, 32, e1906908	24	9
169	Absence of evidence of spin transport through amorphous Y3Fe5O12. *Applied Physics Letters*, **2020**, 116, 032401	3.4	5

168	Nanoscale Guiding of Infrared Light with Hyperbolic Volume and Surface Polaritons in van der Waals Material Ribbons. *Advanced Materials*, **2020**, 32, e1906530	24	17
167	Spin□rbit magnetic state readout in scaled ferromagnetic/heavy metal nanostructures. *Nature Electronics*, **2020**, 3, 309-315	28.4	18
166	Quantification of interfacial spin-charge conversion in hybrid devices with a metal/insulator interface. *Applied Physics Letters*, **2020**, 117, 142405	3.4	3
165	Collective near-field coupling and nonlocal phenomena in infrared-phononic metasurfaces for nano-light canalization. *Nature Communications*, **2020**, 11, 3663	17.4	35
164	Strong Interfacial Exchange Field in a Heavy Metal/Ferromagnetic Insulator System Determined by Spin Hall Magnetoresistance. *Nano Letters*, **2020**, 20, 6815-6823	11.5	3
163	Interfacial mechanism in the anomalous Hall effect of Co/Bi2O3 bilayers. *Physical Review B*, **2019**, 100,	3.3	4
162	Molecular spectroscopy in a solid-state device. *Materials Horizons*, **2019**, 6, 1663-1668	14.4	3
161	Tuning the charge flow between Marcus regimes in an organic thin-film device. *Nature Communications*, **2019**, 10, 2089	17.4	20
160	Spin fluctuations, geometrical size effects, and zero-field topological order in textured MnSi thin films. *Physical Review B*, **2019**, 99,	3.3	2
159	Strain Effects on the Energy-Level Alignment at Metal/Organic Semiconductor Interfaces. *ACS Applied Materials & Interfaces*, **2019**, 11, 12717-12722	9.5	4
158	Top dielectric induced ambipolarity in an n-channel dual-gated organic field effect transistor. *Journal of Materials Chemistry C*, **2019**, 7, 10389-10393	7.1	4
157	Launching of hyperbolic phonon-polaritons in h-BN slabs by resonant metal plasmonic antennas. *Nature Communications*, **2019**, 10, 3242	17.4	33
156	Spin Hall magnetoresistance in a low-dimensional Heisenberg ferromagnet. *Physical Review B*, **2019** , 100,	3.3	11
155	Large Multidirectional Spin-to-Charge Conversion in Low-Symmetry Semimetal MoTe at Room Temperature. *Nano Letters*, **2019**, 19, 8758-8766	11.5	42
154	Deeply subwavelength phonon-polaritonic crystal made of a van der Waals material. *Nature Communications*, **2019**, 10, 42	17.4	25
153	Relation between spin Hall effect and anomalous Hall effect in 3d ferromagnetic metals. *Physical Review B*, **2019**, 99,	3.3	29
152	Room-Temperature Spin Hall Effect in Graphene/MoS van der Waals Heterostructures. *Nano Letters* , **2019**, 19, 1074-1082	11.5	116
151	Infrared hyperbolic metasurface based on nanostructured van der Waals materials. *Science*, **2018**, 359, 892-896	33.3	215

150	Boron nitride nanoresonators for phonon-enhanced molecular vibrational spectroscopy at the strong coupling limit. *Light: Science and Applications*, **2018**, 7, 17172	16.7	176
149	Hot Electrons and Hot Spins at Metal□Organic Interfaces. *Advanced Functional Materials*, **2018**, 28, 1706105	15.6	8
148	Fullerene-Based Materials as Hole-Transporting/Electron-Blocking Layers: Applications in Perovskite Solar Cells. *Chemistry - A European Journal*, **2018**, 24, 8524-8529	4.8	19
147	Interface-Assisted Sign Inversion of Magnetoresistance in Spin Valves Based on Novel Lanthanide Quinoline Molecules. *Advanced Functional Materials*, **2018**, 28, 1702099	15.6	26
146	Sublimable chloroquinolinate lanthanoid single-ion magnets deposited on ferromagnetic electrodes. *Chemical Science*, **2018**, 9, 199-208	9.4	16
145	Addressing Vibrational Excitations in Van der Waals Materials and Molecular Layers Within Electron Energy Loss Spectroscopy. *Microscopy and Microanalysis*, **2018**, 24, 408-409	0.5	
144	Unveiling the mechanisms of the spin Hall effect in Ta. *Physical Review B*, **2018**, 98,	3.3	35
143	Anomalous Hall-like transverse magnetoresistance in Au thin films on Y3Fe5O12. *Applied Physics Letters*, **2018**, 113, 222409	3.4	14
142	Synthetic Antiferromagnetic Coupling Between Ultrathin Insulating Garnets. *Physical Review Applied*, **2018**, 10,	4.3	24
141	Gate-tunable graphene-organic interface barrier for vertical transistor and logic inverter. *Applied Physics Letters*, **2018**, 113, 153301	3.4	6
140	One-transistor one-resistor (1T1R) cell for large-area electronics. *Applied Physics Letters*, **2018**, 113, 072108	3.4	8
139	11,11,12,12-Tetracyanonaphtho-2,6-quinodimethane in Contact with Ferromagnetic Electrodes for Organic Spintronics. *Advanced Electronic Materials*, **2018**, 4, 1800077	6.4	2
138	Activating the molecular spinterface. *Nature Materials*, **2017**, 16, 507-515	27	217
137	Graphene as an electrode for solution-processed electron-transporting organic transistors. *Nanoscale*, **2017**, 9, 10178-10185	7.7	23
136	Optical Nanoimaging of Hyperbolic Surface Polaritons at the Edges of van der Waals Materials. *Nano Letters*, **2017**, 17, 228-235	11.5	80
135	Nanoimaging of resonating hyperbolic polaritons in linear boron nitride antennas. *Nature Communications*, **2017**, 8, 15624	17.4	91
134	Synthesis and Properties of a Twisted and Stable Tetracyano-Substituted Tetrabenzoheptacene. *Organic Letters*, **2017**, 19, 1718-1721	6.2	20
133	Energy Level Alignment at Metal/Solution-Processed Organic Semiconductor Interfaces. *Advanced Materials*, **2017**, 29, 1606901	24	27

132	Spin diffusion length of Permalloy using spin absorption in lateral spin valves. *Applied Physics Letters*, **2017**, 111, 082407	3.4	18
131	Large room temperature spin-to-charge conversion signals in a few-layer graphene/Pt lateral heterostructure. *Nature Communications*, **2017**, 8, 661	17.4	33
130	Photodoping-Driven Crossover in the Low-Frequency Noise of MoS2 Transistors. *Physical Review Applied*, **2017**, 7,	4.3	6
129	Probing low-energy hyperbolic polaritons in van der Waals crystals with an electron microscope. *Nature Communications*, **2017**, 8, 95	17.4	86
128	A molecular spin-photovoltaic device. *Science*, **2017**, 357, 677-680	33.3	101
127	Thermally driven long-range magnon spin currents in yttrium iron garnet due to intrinsic spin Seebeck effect. *Physical Review B*, **2017**, 96,	3.3	24
126	Tunable Sign Change of Spin Hall Magnetoresistance in Pt/NiO/YIG Structures. *Physical Review Letters*, **2017**, 118, 147202	7.4	89
125	Acoustic terahertz graphene plasmons revealed by photocurrent nanoscopy. *Nature Nanotechnology*, **2017**, 12, 31-35	28.7	178
124	Scale-invariant large nonlocality in polycrystalline graphene. *Nature Communications*, **2017**, 8, 2198	17.4	13
123	Tuning the spin Hall effect of Pt from the moderately dirty to the superclean regime. *Physical Review B*, **2016**, 94,	3.3	186
122	Spin Hall Magnetoresistance as a Probe for Surface Magnetization in Pt/CoFe2O4 Bilayers. *Physical Review Applied*, **2016**, 6,	4.3	25
121	Origin of inverse Rashba-Edelstein effect detected at the Cu/Bi interface using lateral spin valves. *Physical Review B*, **2016**, 93,	3.3	69
120	Absence of magnetic proximity effects in magnetoresistive Pt/CoFe2O4 hybrid interfaces. *Physical Review B*, **2016**, 93,	3.3	28
119	A two-dimensional spin field-effect switch. *Nature Communications*, **2016**, 7, 13372	17.4	133
118	Competing effects at Pt/YIG interfaces: Spin Hall magnetoresistance, magnon excitations, and magnetic frustration. *Physical Review B*, **2016**, 94,	3.3	48
117	Real-space mapping of tailored sheet and edge plasmons in graphene nanoresonators. *Nature Photonics*, **2016**, 10, 239-243	33.9	134
116	Bis(triisopropylsilylethynyl)-substituted pyrene-fused tetraazaheptacene: synthesis and properties. *Physical Chemistry Chemical Physics*, **2016**, 18, 11616-9	3.6	15
115	Modulation of spin accumulation by nanoscale confinement using electromigration in a metallic lateral spin valve. *Nanotechnology*, **2016**, 27, 095201	3.4	3

114	Hanle Magnetoresistance in Thin Metal Films with Strong Spin-Orbit Coupling. *Physical Review Letters*, **2016**, 116, 016603	7.4	94
113	Active Morphology Control for Concomitant Long Distance Spin Transport and Photoresponse in a Single Organic Device. *Advanced Materials*, **2016**, 28, 2609-15	24	46
112	Frequency driven inversion of tunnel magnetoimpedance and observation of positive tunnel magnetocapacitance in magnetic tunnel junctions. *Applied Physics Letters*, **2016**, 109, 052401	3.4	9
111	Spin doping using transition metal phthalocyanine molecules. *Nature Communications*, **2016**, 7, 13751	17.4	24
110	Absence of detectable current-induced magneto-optical Kerr effects in Pt, Ta, and W. *Applied Physics Letters*, **2016**, 109, 172402	3.4	15
109	Nanofocusing of Hyperbolic Phonon Polaritons in a Tapered Boron Nitride Slab. *ACS Photonics*, **2016**, 3, 924-929	6.3	38
108	K-Conjugated Dibenzoazahexacenes. *Organic Letters*, **2016**, 18, 4694-7	6.2	17
107	Modulation of pure spin currents with a ferromagnetic insulator. *Physical Review B*, **2015**, 91,	3.3	28
106	Spin transport enhancement by controlling the Ag growth in lateral spin valves. *Journal Physics D: Applied Physics*, **2015**, 48, 215003	3	6
105	Gate-Controlled Energy Barrier at a Graphene/Molecular Semiconductor Junction. *Advanced Functional Materials*, **2015**, 25, 2972-2979	15.6	46
104	Effect of the interface resistance in non-local Hanle measurements. *Journal of Applied Physics*, **2015** , 117, 223911	2.5	7
103	Gate-tunable diode and photovoltaic effect in an organic-2D layered material p-n junction. *Nanoscale*, **2015**, 7, 15442-9	7.7	72
102	Direct observation of ultraslow hyperbolic polariton propagation with negative phase velocity. *Nature Photonics*, **2015**, 9, 674-678	33.9	203
101	Interfacial effects on the tunneling magnetoresistance in La0.7Sr0.3MnO3/MgO/Fe tunneling junctions. *Physical Review B*, **2015**, 92,	3.3	7
100	Bisthiadiazole-Fused Tetraazapentacenequinone: An Air-Stable Solution-Processable n-Type Organic Semiconductor. *Organic Letters*, **2015**, 17, 5902-5	6.2	17
99	Ferromagnetics: Weak Delocalization in Graphene on a Ferromagnetic Insulating Film (Small 47/2015). *Small*, **2015**, 11, 6242-6242	11	1
98	Reliable determination of the Cu/n-Si Schottky barrier height by using in-device hot-electron spectroscopy. *Applied Physics Letters*, **2015**, 107, 183502	3.4	7
97	Cobalt phthalocyanine-based submicrometric field-effect transistors. *Physica Status Solidi (A) Applications and Materials Science*, **2015**, 212, 607-611	1.6	1

96	Spin-Polarized Hopping Transport in Magnetically Tunable Rare-Earth Quinolines. *Advanced Electronic Materials*, **2015**, 1, 1500065	6.4	12
95	Weak Delocalization in Graphene on a Ferromagnetic Insulating Film. *Small*, **2015**, 11, 6295-301	11	7
94	Charge carrier mobility and electronic properties of Al(Op)3: impact of excimer formation. *Beilstein Journal of Nanotechnology*, **2015**, 6, 1107-15	3	6
93	Tuning the resistive switching properties of TiO2 films. *Applied Physics Letters*, **2015**, 106, 123509	3.4	27
92	An electron-conducting pyrene-fused phenazinothiadiazole. *Chemical Communications*, **2015**, 51, 10754-7	5.8	27
91	Temperature dependence of spin diffusion length and spin Hall angle in Au and Pt. *Physical Review B*, **2015**, 91,	3.3	157
90	Room-temperature ferromagnetism in thin films of LaMnO3 deposited by a chemical method over large areas. *ACS Applied Materials & Interfaces*, **2015**, 7, 5410-4	9.5	22
89	Mixed self-assembled monolayer gate dielectrics for low-voltage solution-processed polymer field-effect transistors. *Journal of Materials Chemistry C*, **2015**, 3, 1181-1186	7.1	6
88	HfO2 based memory devices with rectifying capabilities. *Journal of Applied Physics*, **2014**, 115, 024501	2.5	9
87	Flexible spintronic devices on Kapton. *Applied Physics Letters*, **2014**, 104, 062412	3.4	69
86	Controlling graphene plasmons with resonant metal antennas and spatial conductivity patterns. *Science*, **2014**, 344, 1369-73	33.3	236
85	Hybrid Interface States and Spin Polarization at Ferromagnetic Metal–Organic Heterojunctions: Interface Engineering for Efficient Spin Injection in Organic Spintronics. *Advanced Functional Materials*, **2014**, 24, 4812-4821	15.6	44
84	Resistive switching dependence on atomic layer deposition parameters in HfO2-based memory devices. *Journal of Materials Chemistry C*, **2014**, 2, 3204-3211	7.1	41
83	Spin Hall magnetoresistance at Pt/CoFe2O4 interfaces and texture effects. *Applied Physics Letters*, **2014**, 105, 142402	3.4	91
82	Impurity-assisted tunneling magnetoresistance under a weak magnetic field. *Physical Review Letters*, **2014**, 113, 146601	7.4	57
81	Determination of energy level alignment at metal/molecule interfaces by in-device electrical spectroscopy. *Nature Communications*, **2014**, 5, 4161	17.4	32
80	Spin-polarized electron transfer in ferromagnet/C60 interfaces. *Physical Review B*, **2014**, 90,	3.3	46
79	In situ electrical characterization of palladium-based single electron transistors made by electromigration technique. *AIP Advances*, **2014**, 4, 117126	1.5	6

78	Resistive switching phenomena in TiOx nanoparticle layers for memory applications. *Applied Physics Letters*, **2014**, 105, 143506	3.4	10
77	Flexible semi-transparent organic spin valve based on bathocuproine. *Applied Physics Letters*, **2014**, 105, 083302	3.4	22
76	Three-terminal resistive switching memory in a transparent vertical-configuration device. *Applied Physics Letters*, **2014**, 104, 013503	3.4	4
75	Sign control of magnetoresistance through chemically engineered interfaces. *Advanced Materials*, **2014**, 26, 7561-7	24	29
74	Exploiting phase separation in monolithic La0.6Ca0.4MnO3 devices. *Applied Physics Letters*, **2013**, 103, 062404	3.4	1
73	Room-temperature air-stable spin transport in bathocuproine-based spin valves. *Nature Communications*, **2013**, 4,	17.4	57
72	Charge and spin transport in PEDOT:PSS nanoscale lateral devices. *Nanotechnology*, **2013**, 24, 475201	3.4	14
71	Temperature dependence of spin polarization in ferromagnetic metals using lateral spin valves. *Physical Review B*, **2013**, 88,	3.3	51
70	Resistive switching in rectifying interfaces of metal-semiconductor-metal structures. *Applied Physics Letters*, **2013**, 103, 073114	3.4	13
69	Giant and reversible extrinsic magnetocaloric effects in La0.7Ca0.3MnO3 films due to strain. *Nature Materials*, **2013**, 12, 52-8	27	205
68	Contribution of defects to the spin relaxation in copper nanowires. *Physical Review B*, **2013**, 87,	3.3	50
67	Tailoring palladium nanocontacts by electromigration. *Applied Physics Letters*, **2013**, 102, 193103	3.4	11
66	Experimental verification of the spectral shift between near- and far-field peak intensities of plasmonic infrared nanoantennas. *Physical Review Letters*, **2013**, 110, 203902	7.4	134
65	How reliable are Hanle measurements in metals in a three-terminal geometry?. *Applied Physics Letters*, **2013**, 102, 192406	3.4	39
64	Visualizing the near-field coupling and interference of bonding and anti-bonding modes in infrared dimer nanoantennas. *Optics Express*, **2013**, 21, 1270-80	3.3	49
63	Electronic transport in sub-micron square area organic field-effect transistors. *Applied Physics Letters*, **2013**, 102, 103301	3.4	1
62	Propagation and nanofocusing of infrared surface plasmons on tapered transmission lines: Influence of the substrate. *Optics Communications*, **2012**, 285, 3378-3382	2	4
61	C60/NiFe combination as a promising platform for molecular spintronics. *Organic Electronics*, **2012**, 13, 366-372	3.5	17

60	Non-conventional metallic electrodes for organic field-effect transistors. *Organic Electronics*, **2012**, 13, 2301-2306	3.5	9
59	C60-based hot-electron magnetic tunnel transistor. *Applied Physics Letters*, **2012**, 101, 102404	3.4	23
58	Resolving the electromagnetic mechanism of surface-enhanced light scattering at single hot spots. *Nature Communications*, **2012**, 3, 684	17.4	179
57	A randomized pilot comparative study of topical methyl aminolevulinate photodynamic therapy versus imiquimod 5% versus sequential application of both therapies in immunocompetent patients with actinic keratosis: clinical and histologic outcomes. *Journal of the American Academy of Dermatology*, **2012**, 66, e131-7	4.5	56
56	A light-controlled resistive switching memory. *Advanced Materials*, **2012**, 24, 2496-500	24	122
55	Non-Hebbian learning implementation in light-controlled resistive memory devices. *PLoS ONE*, **2012**, 7, e52042	3.7	2
54	Real-space mapping of Fano interference in plasmonic metamolecules. *Nano Letters*, **2011**, 11, 3922-6	11.5	117
53	A randomized comparative study of tolerance and satisfaction in the treatment of actinic keratosis of the face and scalp between 5% imiquimod cream and photodynamic therapy with methyl aminolaevulinate. *British Journal of Dermatology*, **2011**, 164, 429-33	4	25
52	Nanofocusing of mid-infrared energy with tapered transmission lines. *Nature Photonics*, **2011**, 5, 283-287	33.9	179
51	Room-temperature spin transport in C60-based spin valves. *Advanced Materials*, **2011**, 23, 1609-13	24	133
50	Unravelling the role of the interface for spin injection into organic semiconductors. *Nature Physics*, **2010**, 6, 615-620	16.2	504
49	Giant magnetic domain-wall resistance in phase-separated manganite films. *Applied Physics Letters*, **2010**, 97, 253501	3.4	2
48	Interface effects on an ultrathin Co film in multilayers based on the organic semiconductor Alq3. *Applied Physics Letters*, **2010**, 97, 162509	3.4	21
47	Spin routes in organic semiconductors. *Nature Materials*, **2009**, 8, 707-16	27	697
46	Paraneoplastic Ichthyosis. *Actas Dermo-sifiliográficas*, **2008**, 99, 317-318	0.5	
45	Translating reproducible phase-separated texture in manganites into reproducible two-state low-field magnetoresistance: An imaging and transport study. *Physical Review B*, **2008**, 78,	3.3	13
44	Magnetotransport of manganite superlattices: Investigating the role of a magnetic insulating spacer. *Applied Physics Letters*, **2008**, 93, 123120	3.4	8
43	Room-temperature spintronic effects in Alq3-based hybrid devices. *Physical Review B*, **2008**, 78,	3.3	293

42	Manganite/Alq3 interfaces investigated by impedance spectroscopy technique. *Organic Electronics*, **2008**, 9, 911-915	3.5	6
41	Nanoscale magnetic structure of ferromagnet/antiferromagnet manganite multilayers. *Physical Review Letters*, **2007**, 99, 247207	7.4	35
40	Multipurpose Magnetic Organic Hybrid Devices. *Advanced Materials*, **2007**, 19, 2639-2642	24	83
39	Electrical transport properties of metal/La0.70Ca0.30MnO3 interfaces. *Physica B: Condensed Matter* , **2007**, 398, 235-237	2.8	1
38	Ultrathin manganite films grown by pulsed-plasma deposition. *Journal of Magnetism and Magnetic Materials*, **2007**, 310, e780-e782	2.8	5
37	Transformation of spin information into large electrical signals using carbon nanotubes. *Nature*, **2007**, 445, 410-3	50.4	307
36	Alignment of energy levels at the Alq3La0.7Sr0.3MnO3 interface for organic spintronic devices. *Physical Review B*, **2007**, 76,	3.3	73
35	Effect of ferromagnetic/antiferromagnetic interfaces on the magnetic properties of La2Sr1MnO3Pr2Ca1MnO3 superlattices. *Journal of Applied Physics*, **2006**, 99, 08C903	2.5	5
34	Electrical transport between epitaxial manganites and carbon nanotubes. *Applied Physics Letters*, **2006**, 88, 083120	3.4	13
33	Spintronic investigation of the phase separated manganite (La,Ca)MnO3. *Journal of Applied Physics*, **2006**, 100, 023903	2.5	8
32	High resolution determination of ferromagnetic metallic limit in epitaxial La1CaxMnO3 films on NdGaO3. *Applied Physics Letters*, **2006**, 89, 142509	3.4	12
31	Evidence of weak ferromagnetism in chromium(III) oxide particles. *Journal of Magnetism and Magnetic Materials*, **2004**, 272-276, 1547-1548	2.8	10
30	Magnetic clusters in LiNi1yCoyO2nanomaterials used as cathodes in lithium-ion batteries. *Nanotechnology*, **2003**, 14, 277-282	3.4	8
29	Intergranular magnetoresistance in nanomanganites. *Nanotechnology*, **2003**, 14, 212-219	3.4	159
28	Tunneling barrier in nanoparticle junctions of La2/3(Ca,Sr)1/3MnO3: Nonlinear currentoltage characteristics. *Journal of Applied Physics*, **2003**, 93, 6305-6310	2.5	21
27	Effects of the progressive substitution of La3+ by Gd3+ in the magnetic and transport properties of La2/3Ca1/3MnO3. *Journal of Magnetism and Magnetic Materials*, **2002**, 238, 293-300	2.8	13
26	Transport properties in Gd doped La2/3Ca1/3MnO3. *Journal of Magnetism and Magnetic Materials*, **2002**, 242-245, 665-667	2.8	1
25	Nonlinear behavior of Vcurves at low temperatures in nanoparticles of La2/3B1/3MnO3 with B=Ca,Sr. *Physica B: Condensed Matter*, **2002**, 320, 115-118	2.8	3

24	Lattice effects and phase competition in charge ordered manganites. *Journal of Applied Physics*, **2002**, 91, 7412	2.5	8
23	Coexistence of paramagnetic-charge-ordered and ferromagnetic-metallic phases in La0.5Ca0.5MnO3 evidenced by electron spin resonance. *Journal of Applied Physics*, **2002**, 91, 785-788	2.5	69
22	Tuning of the magnetocaloric effect in La0.67Ca0.33MnO3 nanoparticles synthesized by sol–gel techniques. *Journal of Applied Physics*, **2002**, 91, 9943	2.5	159
21	Drop of magnetocaloric effect related to the change from first- to second-order magnetic phase transition in La2/3(Ca1−xSrx)1/3MnO3. *Journal of Applied Physics*, **2002**, 91, 8903	2.5	124
20	Magnetic and electric properties of Sr2FeMoO6. *Journal of Magnetism and Magnetic Materials*, **2001** , 226-230, 895-897	2.8	8
19	Spontaneous magnetostriction in La2/3(Ca1− Srx) 1/3MnO3 (x=0, 0.05, 0.15, 0.25 and 1.0) near TC and its field dependence. *Journal of Magnetism and Magnetic Materials*, **2001**, 226-230, 582-584	2.8	9
18	Comment on Paramagnetic anomalies above the Curie temperature and colossal magnetoresistance in optimally doped manganites *Physical Review B*, **2001**, 64,	3.3	5
17	Electron paramagnetic resonance and magnetization in Co doped La2/3Ca1/3MnO3. *Journal of Applied Physics*, **2001**, 89, 7422-7424	2.5	
16	Large magnetocaloric effect in manganites with charge order. *Applied Physics Letters*, **2001**, 79, 2040-2042	3.4	95
15	Magnetoresistance in manganite/alumina nanocrystalline composites. *Journal of Applied Physics*, **2001**, 89, 1746	2.5	101
14	Magnetic and intergranular transport properties in manganite/alumina composites. *Journal of Non-Crystalline Solids*, **2001**, 287, 324-328	3.9	13
13	Strong reduction of lattice effects in mixed-valence manganites related to crystal symmetry. *Physical Review B*, **2001**, 65,	3.3	84
12	Spin dynamics of Cr-doped La0.67Ca0.33MnO3 in the paramagnetic regime. *Physica B: Condensed Matter*, **2000**, 284-288, 1418-1419	2.8	3
11	Low field magnetoresistance effects in fine particles of La0.67Ca0.33MnO3 perovskites. *Journal of Magnetism and Magnetic Materials*, **2000**, 221, 57-62	2.8	109
10	Crossover from anisotropic to isotropic transport in R2/3A1/3MnO3 perovskites determined by crystal symmetry. *Physical Review B*, **2000**, 61, 5857-5859	3.3	12
9	High-temperature properties of the Sr2FeMoO6 double perovskite: Electrical resistivity, magnetic susceptibility, and ESR. *Physical Review B*, **2000**, 62, 3340-3345	3.3	90
8	Effect of Mn-site doping on the magnetotransport properties of the colossal magnetoresistance compound La2/3Ca1/3Mn1−xAxO3 (A=Co,Cr; x. *Physical Review B*, **2000**, 62, 5678-5684	3.3	59
7	Electron-spin-resonance line broadening around the magnetic phase transition in manganites. *Physical Review B*, **1999**, 60, 11922-11925	3.3	45

6	Tuning of colossal magnetoresistance via grain size change in La0.67Ca0.33MnO3. *Journal of Applied Physics*, **1999**, 86, 3881-3884	2.5	120
5	Strong ferro□ntiferromagnetic competition and charge ordering in Pr0.67Ca0.33MnO3. *Solid State Communications*, **1999**, 110, 179-183	1.6	34
4	Effect of porosity on FMR linewidth of Ln0.67A0.33MnO3 (Ln ? La, Pr; A ? Ca, Sr). *Journal of Magnetism and Magnetic Materials*, **1999**, 196-197, 470-472	2.8	15
3	Experimental study of charge ordering transition in Pr0.67Ca0.33MnO3. *Journal of Magnetism and Magnetic Materials*, **1999**, 196-197, 475-476	2.8	31
2	Effects of electrochemical reduction on the magnetotransport properties of La0.67Ca0.33MnO3□□ nanoparticles. *Journal of Magnetism and Magnetic Materials*, **1999**, 203, 253-255	2.8	7
1	Influence of the grain-size and oxygen stoichiometry on magnetic and transport properties of polycrystalline La0.67Ca0.33MnO3□□perovskites. *Journal of Magnetism and Magnetic Materials*, **1998**, 189, 321-328	2.8	77