Luis E Hueso

List of Publications by Year
in descending order

196 papers	11,985 citations	24978 57 h-index	29081 104 g-index
200 all docs	200 docs citations	200 times ranked	12056 citing authors

#	Article	IF	Citations
1	Spin routes in organic semiconductors. Nature Materials, 2009, 8, 707-716.	13.3	796
2	Unravelling the role of the interface for spin injection into organic semiconductors. Nature Physics, 2010, 6, 615-620.	6.5	559
3	Infrared hyperbolic metasurface based on nanostructured van der Waals materials. Science, 2018, 359, 892-896.	6.0	344
4	Transformation of spin information into large electrical signals using carbon nanotubes. Nature, 2007, 445, 410-413.	13.7	325
5	Room-temperature spintronic effects in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Alq</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> hybrid devices. Physical Review B, 2008, 78, .	1.1	309
6	Controlling graphene plasmons with resonant metal antennas and spatial conductivity patterns. Science, 2014, 344, 1369-1373.	6.0	292
7	Activating the molecular spinterface. Nature Materials, 2017, 16, 507-515.	13.3	285
8	Direct observation of ultraslow hyperbolic polariton propagation with negative phase velocity. Nature Photonics, 2015, 9, 674-678.	15.6	268
9	Acoustic terahertz graphene plasmons revealed by photocurrent nanoscopy. Nature Nanotechnology, 2017, 12, 31-35.	15.6	257
10	Boron nitride nanoresonators for phonon-enhanced molecular vibrational spectroscopy at the strong coupling limit. Light: Science and Applications, 2018, 7, 17172-17172.	7.7	257
11	Tuning the spin Hall effect of Pt from the moderately dirty to the superclean regime. Physical Review B, 2016, 94, .	1.1	243
12	Giant and reversible extrinsic magnetocaloric effects in La0.7Ca0.3MnO3 films due to strain. Nature Materials, 2013, 12, 52-58.	13.3	226
13	Temperature dependence of spin diffusion length and spin Hall angle in Au and Pt. Physical Review B, 2015, 91, .	1.1	210
14	Resolving the electromagnetic mechanism of surface-enhanced light scattering at single hot spots. Nature Communications, 2012, 3, 684.	5.8	207
15	Nanofocusing of mid-infrared energy with tapered transmission lines. Nature Photonics, 2011, 5, 283-287.	15.6	203
16	Room-Temperature Spin Hall Effect in Graphene/MoS₂ van der Waals Heterostructures. Nano Letters, 2019, 19, 1074-1082.	4.5	186
17	Tuning of the magnetocaloric effect in La[sub 0.67]Ca[sub 0.33]MnO[sub 3â˜Î] nanoparticles synthesized by solâ€“gel techniques. Journal of Applied Physics, 2002, 91, 9943.	1.1	176
18	Intergranular magnetoresistance in nanomanganites. Nanotechnology, 2003, 14, 212-219.	1.3	172

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19	A two-dimensional spin field-effect switch. Nature Communications, 2016, 7, 13372.	5.8	168
20	Real-space mapping of tailored sheet and edge plasmons in graphene nanoresonators. Nature Photonics, 2016, 10, 239-243.	15.6	167
21	Roomâ€Temperature Spin Transport in C₆₀â€Based Spin Valves. Advanced Materials, 2011, 23, 1609-1613.	11.1	147
22	A molecular spin-photovoltaic device. Science, 2017, 357, 677-680.	6.0	147
23	Experimental Verification of the Spectral Shift between Near- and Far-Field Peak Intensities of Plasmonic Infrared Nanoantennas. Physical Review Letters, 2013, 110, 203902.	2.9	144
24	A Lightâ€Controlled Resistive Switching Memory. Advanced Materials, 2012, 24, 2496-2500.	11.1	138
25	Drop of magnetocaloric effect related to the change from first- to second-order magnetic phase transition in La[sub 2/3](Ca[sub 1â^'x]Sr[sub x])[sub 1/3]MnO[sub 3]. Journal of Applied Physics, 2002, 91, 8903.	1.1	136
26	Hanle Magnetoresistance in Thin Metal Films with Strong Spin-Orbit Coupling. Physical Review Letters, 2016, 116, 016603.	2.9	133
27	Real-Space Mapping of Fano Interference in Plasmonic Metamolecules. Nano Letters, 2011, 11, 3922-3926.	4.5	129
28	Tuning of colossal magnetoresistance via grain size change in La0.67Ca0.33MnO3. Journal of Applied Physics, 1999, 86, 3881-3884.	1.1	127
29	Nanoimaging of resonating hyperbolic polaritons in linear boron nitride antennas. Nature Communications, 2017, 8, 15624.	5.8	121
30	Low field magnetoresistance effects in fine particles of La0.67Ca0.33MnO3 perovskites. Journal of Magnetism and Magnetic Materials, 2000, 221, 57-62.	1.0	116
31	Probing low-energy hyperbolic polaritons in van der Waals crystals with an electron microscope. Nature Communications, 2017, 8, 95.	5.8	111
32	Tunable Sign Change of Spin Hall Magnetoresistance in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Pt</mml:mi><mml:mrow><mml:mo>/</mml:mo><mml:mi>NiO</mml:mi><mml:mo>/</mml:mo> Structures. Physical Review Letters, 2017, 118, 147202.	2.9	109
33	Optical Nanoimaging of Hyperbolic Surface Polaritons at the Edges of van der Waals Materials. Nano Letters, 2017, 17, 228-235.	4.5	107
34	Spin Hall magnetoresistance at Pt/CoFe2O4 interfaces and texture effects. Applied Physics Letters, 2014, 105, .	1.5	105
35	Magnetoresistance in manganite/alumina nanocrystalline composites. Journal of Applied Physics, 2001, 89, 1746.	1.1	104
36	Large magnetocaloric effect in manganites with charge order. Applied Physics Letters, 2001, 79, 2040-2042.	1.5	102

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37	High-temperature properties of theSr2FeMoO6double perovskite: Electrical resistivity, magnetic susceptibility, and ESR. Physical Review B, 2000, 62, 3340-3345.	1.1	97
38	Dreams of a hollow future. Nature, 2004, 427, 301-303.	13.7	93
39	Real-space observation of vibrational strong coupling between propagating phonon polaritons and organic molecules. Nature Photonics, 2021, 15, 197-202.	15.6	90
40	Multipurpose Magnetic Organic Hybrid Devices. Advanced Materials, 2007, 19, 2639-2642.	11.1	88
41	Origin of inverse Rashba-Edelstein effect detected at the Cu/Bi interface using lateral spin valves. Physical Review B, 2016, 93, .	1.1	87
42	Strong reduction of lattice effects in mixed-valence manganites related to crystal symmetry. Physical Review B, 2001, 65, .	1.1	86
43	Flexible spintronic devices on Kapton. Applied Physics Letters, 2014, 104, .	1.5	85
44	Gate-tunable diode and photovoltaic effect in an organicâ€“2D layered material pâ€“n junction. Nanoscale, 2015, 7, 15442-15449.	2.8	84
45	Influence of the grain-size and oxygen stoichiometry on magnetic and transport properties of polycrystalline La0.67Ca0.33MnO3Â±Î´ perovskites. Journal of Magnetism and Magnetic Materials, 1998, 189, 321-328.	1.0	81
46	Large Multidirectional Spin-to-Charge Conversion in Low-Symmetry Semimetal MoTe₂ at Room Temperature. Nano Letters, 2019, 19, 8758-8766.	4.5	81
47	Alignment of energy levels at the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Al</mml:mi><mml:msub><mml:mi mathvariant="normal">q</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mo>â•</mml:mo><mml:msub><mml:mi mathvariant="normal">La</mml:mi><mml:mn>0.7</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Sr</mml:mi><mml:mn>0.3</mml:mn></mml:msub><mml:mi mathvariant="normal">Mn</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn	1.1	78
48	Active Morphology Control for Concomitant Long Distance Spin Transport and Photoresponse in a Single Organic Device. Advanced Materials, 2016, 28, 2609-2615.	11.1	77
49	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-e137.	0.6	74
50	Room-temperature air-stable spin transport in bathocuproine-based spin valves. Nature Communications, 2013, 4, .	5.8	74
51	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.	1.1	70
52	Collective near-field coupling and nonlocal phenomena in infrared-phononic metasurfaces for nano-light canalization. Nature Communications, 2020, 11, 3663.	5.8	70
53	Effect of Mn-site doping on the magnetotransport properties of the colossal magnetoresistance compoundLa2/3Ca1/3Mn1â^'xAxO3(A=Co,Cr;x‹~0.1). Physical Review B, 2000, 62, 5678-5684.	1.1	63
54	Impurity-Assisted Tunneling Magnetoresistance under a Weak Magnetic Field. Physical Review Letters, 2014, 113, 146601.	2.9	63

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55	Contribution of defects to the spin relaxation in copper nanowires. Physical Review B, 2013, 87, .	1.1	62
56	Relation between spin Hall effect and anomalous Hall effect in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>3</mml:mn><mml:mi>d</mml:mi></mml:mrow></mml:math> ferromagnetic metals. Physical Review B, 2019, 99, .	1.1	62
57	Gate-tuneable and chirality-dependent charge-to-spin conversion in tellurium nanowires. Nature Materials, 2022, 21, 526-532.	13.3	62
58	Spin-polarized electron transfer in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mtext>ferromagnet</mml:mtext></mml:mo></mml:math> Physical Review B, 2014, 90, .	1.1	59
59	Gateâ€Controlled Energy Barrier at a Graphene/Molecular Semiconductor Junction. Advanced Functional Materials, 2015, 25, 2972-2979.	7.8	58
60	Competing effects at Pt/YIG interfaces: Spin Hall magnetoresistance, magnon excitations, and magnetic frustration. Physical Review B, 2016, 94, .	1.1	58
61	Temperature dependence of spin polarization in ferromagnetic metals using lateral spin valves. Physical Review B, 2013, 88, .	1.1	56
62	Unveiling the mechanisms of the spin Hall effect in Ta. Physical Review B, 2018, 98, .	1.1	56
63	Launching of hyperbolic phonon-polaritons in h-BN slabs by resonant metal plasmonic antennas. Nature Communications, 2019, 10, 3242.	5.8	56
64	Visualizing the near-field coupling and interference of bonding and anti-bonding modes in infrared dimer nanoantennas. Optics Express, 2013, 21, 1270.	1.7	52
65	Resistive switching dependence on atomic layer deposition parameters in HfO₂-based memory devices. Journal of Materials Chemistry C, 2014, 2, 3204-3211.	2.7	52
66	Deeply subwavelength phonon-polaritonic crystal made of a van der Waals material. Nature Communications, 2019, 10, 42.	5.8	51
67	Hybrid Interface States and Spin Polarization at Ferromagnetic Metalâ€“Organic Heterojunctions: Interface Engineering for Efficient Spin Injection in Organic Spintronics. Advanced Functional Materials, 2014, 24, 4812-4821.	7.8	50
68	Electron-spin-resonance line broadening around the magnetic phase transition in manganites. Physical Review B, 1999, 60, 11922-11925.	1.1	48
69	Large room temperature spin-to-charge conversion signals in a few-layer graphene/Pt lateral heterostructure. Nature Communications, 2017, 8, 661.	5.8	46
70	Molecular Approach to Engineer Two-Dimensional Devices for CMOS and beyond-CMOS Applications. Chemical Reviews, 2022, 122, 50-131.	23.0	46
71	Spinâ€“orbit magnetic state readout in scaled ferromagnetic/heavy metal nanostructures. Nature Electronics, 2020, 3, 309-315.	13.1	45
72	Nanofocusing of Hyperbolic Phonon Polaritons in a Tapered Boron Nitride Slab. ACS Photonics, 2016, 3, 924-929.	3.2	44

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73	How reliable are Hanle measurements in metals in a three-terminal geometry?. Applied Physics Letters, 2013, 102, .	1.5	43
74	Gate tunability of highly efficient spin-to-charge conversion by spin Hall effect in graphene proximitized with WSe2. APL Materials, 2020, 8, .	2.2	42
75	Determination of energy level alignment at metal/molecule interfaces by in-device electrical spectroscopy. Nature Communications, 2014, 5, 4161.	5.8	40
76	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, 429-433.	1.4	37
77	Energy Level Alignment at Metal/Solutionâ€Processed Organic Semiconductor Interfaces. Advanced Materials, 2017, 29, 1606901.	11.1	37
78	Nanoscale Magnetic Structure of Ferromagnet/Antiferromagnet Manganite Multilayers. Physical Review Letters, 2007, 99, 247207.	2.9	36
79	Sign Control of Magnetoresistance Through Chemically Engineered Interfaces. Advanced Materials, 2014, 26, 7561-7567.	11.1	36
80	Strong ferroâ€“antiferromagnetic competition and charge ordering in Pr0.67Ca0.33MnO3. Solid State Communications, 1999, 110, 179-183.	0.9	35
81	Tuning the resistive switching properties of TiO2â^’x films. Applied Physics Letters, 2015, 106, .	1.5	35
82	Absence of magnetic proximity effects in magnetoresistive<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Pt</mml:mi><mml:mo>/</mml:mo><mml:mi>CoF</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>hybrid interfaces. Physical Review B, 2016, 93, .	1.1	35
83	Interfaceâ€Assisted Sign Inversion of Magnetoresistance in Spin Valves Based on Novel Lanthanide Quinoline Molecules. Advanced Functional Materials, 2018, 28, 1702099.	7.8	35
84	Electrical Control of Valley-Zeeman Spin-Orbit-Couplingâ€Induced Spin Precession at Room Temperature. Physical Review Letters, 2021, 127, 047202.	2.9	35
85	Spin Hall Magnetoresistance as a Probe for Surface Magnetization in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Pt</mml:mi><mml:mo>/</mml:mo><mml:mi>Co</mml:mi><mml:msub><mml:mrow><mml:mi mathvariant="normal">O</mml:mi></mml:mrow><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> Physical Review Applied, 2016, 6, .	1.5	34
86	Synthetic Antiferromagnetic Coupling Between Ultrathin Insulating Garnets. Physical Review Applied, 2018, 10, .	1.5	34
87	Experimental study of charge ordering transition in Pr0.67Ca0.33MnO3. Journal of Magnetism and Magnetic Materials, 1999, 196-197, 475-476.	1.0	33
88	Flexible semi-transparent organic spin valve based on bathocuproine. Applied Physics Letters, 2014, 105, .	1.5	33
89	Modulation of pure spin currents with a ferromagnetic insulator. Physical Review B, 2015, 91, .	1.1	30
90	Spin doping using transition metal phthalocyanine molecules. Nature Communications, 2016, 7, 13751.	5.8	30

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91	Graphene as an electrode for solution-processed electron-transporting organic transistors. Nanoscale, 2017, 9, 10178-10185.	2.8	30
92	Spin diffusion length of Permalloy using spin absorption in lateral spin valves. Applied Physics Letters, 2017, 111, .	1.5	30
93	Thermally driven long-range magnon spin currents in yttrium iron garnet due to intrinsic spin Seebeck effect. Physical Review B, 2017, 96, .	1.1	30
94	Room-Temperature Ferromagnetism in Thin Films of LaMnO₃ Deposited by a Chemical Method Over Large Areas. ACS Applied Materials & Interfaces, 2015, 7, 5410-5414.	4.0	29
95	Nanoscale Guiding of Infrared Light with Hyperbolic Volume and Surface Polaritons in van der Waals Material Ribbons. Advanced Materials, 2020, 32, e1906530.	11.1	29
96	An electron-conducting pyrene-fused phenazinothiadiazole. Chemical Communications, 2015, 51, 10754-10757.	2.2	27
97	Synthesis and Properties of a Twisted and Stable Tetracyano-Substituted Tetrabenzoheptacene. Organic Letters, 2017, 19, 1718-1721.	2.4	27
98	Microcavity phonon polaritons from the weak to the ultrastrong phononâ€“photon coupling regime. Nature Communications, 2021, 12, 6206.	5.8	27
99	C₆₀-based hot-electron magnetic tunnel transistor. Applied Physics Letters, 2012, 101, 102404.	1.5	26
100	Fullereneâ€Based Materials as Holeâ€Transporting/Electronâ€Blocking Layers: Applications in Perovskite Solar Cells. Chemistry - A European Journal, 2018, 24, 8524-8529.	1.7	25
101	Tuning the charge flow between Marcus regimes in an organic thin-film device. Nature Communications, 2019, 10, 2089.	5.8	25
102	Bisthiadiazole-Fused Tetraazapentacenequinone: An Air-Stable Solution-Processable n-Type Organic Semiconductor. Organic Letters, 2015, 17, 5902-5905.	2.4	24
103	Enhanced Lightâ€“Matter Interaction in ¹⁰B Monoisotopic Boron Nitride Infrared Nanoresonators. Advanced Optical Materials, 2021, 9, 2001958.	3.6	24
104	Sublimable chloroquinolinate lanthanoid single-ion magnets deposited on ferromagnetic electrodes. Chemical Science, 2018, 9, 199-208.	3.7	23
105	Tunneling barrier in nanoparticle junctions of La2/3(Ca,Sr)1/3MnO3: Nonlinear currentâ€“voltage characteristics. Journal of Applied Physics, 2003, 93, 6305-6310.	1.1	22
106	Interface effects on an ultrathin Co film in multilayers based on the organic semiconductor Alq3. Applied Physics Letters, 2010, 97, 162509.	1.5	22
107	Absence of detectable current-induced magneto-optical Kerr effects in Pt, Ta, and W. Applied Physics Letters, 2016, 109, .	1.5	22
108	K-Conjugated Dibenzoazahexacenes. Organic Letters, 2016, 18, 4694-4697.	2.4	22

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109	Strong Interfacial Exchange Field in a Heavy Metal/Ferromagnetic Insulator System Determined by Spin Hall Magnetoresistance. Nano Letters, 2020, 20, 6815-6823.	4.5	22
110	Spin Hall magnetoresistance in a low-dimensional Heisenberg ferromagnet. Physical Review B, 2019, 100, .	1.1	21
111	Spin Hall Effect in Bilayer Graphene Combined with an Insulator up to Room Temperature. Nano Letters, 2020, 20, 4573-4579.	4.5	20
112	Roomâ€Temperature Operation of a pâ€Type Molecular Spin Photovoltaic Device on a Transparent Substrate. Advanced Materials, 2020, 32, e1906908.	11.1	20
113	Tailoring Superconductivity in Large-Area Single-Layer NbSe₂ via Self-Assembled Molecular Adlayers. Nano Letters, 2021, 21, 136-143.	4.5	19
114	C60/NiFe combination as a promising platform for molecular spintronics. Organic Electronics, 2012, 13, 366-372.	1.4	18
115	Bis(triisopropylsilylethynyl)-substituted pyrene-fused tetraazaheptacene: synthesis and properties. Physical Chemistry Chemical Physics, 2016, 18, 11616-11619.	1.3	18
116	Anomalous Hall-like transverse magnetoresistance in Au thin films on Y3Fe5O12. Applied Physics Letters, 2018, 113, .	1.5	18
117	Paramagnetic spin Hall magnetoresistance. Physical Review B, 2021, 104, .	1.1	18
118	Semi-paracrystallinity in semi-conducting polymers. Materials Horizons, 2022, 9, 1196-1206.	6.4	18
119	Spinâ€Polarized Hopping Transport in Magnetically Tunable Rareâ€Earth Quinolines. Advanced Electronic Materials, 2015, 1, 1500065.	2.6	17
120	Scale-invariant large nonlocality in polycrystalline graphene. Nature Communications, 2017, 8, 2198.	5.8	17
121	Differences in the magnon diffusion length for electrically and thermally driven magnon currents in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">Y</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi mathvariant="normal">F</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>5</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>12</mml:mn></mml:msub></mml:mrow></mml:math> films	1.1	17
122	Exchange Bias in Molecule/Fe₃GeTe₂ van der Waals Heterostructures via Spinterface Effects. Advanced Materials, 2022, 34, e2200474.	11.1	17
123	Effect of porosity on FMR linewidth of Ln0.67A0.33MnO3 (Ln î—» La, Pr; A î—» Ca, Sr). Journal of Magnetism and Magnetic Materials, 1999, 196-197, 470-472.	1.0	16
124	Disentangling Spin, Anomalous, and Planar Hall Effects in Ferromagnetâ€“Heavy-Metal Nanostructures. Physical Review Applied, 2021, 15, .	1.5	16
125	Charge and spin transport in PEDOT:PSS nanoscale lateral devices. Nanotechnology, 2013, 24, 475201.	1.3	15
126	Resistive switching in rectifying interfaces of metal-semiconductor-metal structures. Applied Physics Letters, 2013, 103, .	1.5	15

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127	Tailoring palladium nanocontacts by electromigration. Applied Physics Letters, 2013, 102, .	1.5	15
128	Omnidirectional spin-to-charge conversion in graphene/NbSe₂ van der Waals heterostructures. 2D Materials, 2022, 9, 045001.	2.0	15
129	Magnetic and intergranular transport properties in manganite/alumina composites. Journal of Non-Crystalline Solids, 2001, 287, 324-328.	1.5	14
130	Tuning the magnetic properties of NiPS₃ through organic-ion intercalation. Nanoscale, 2022, 14, 1165-1173.	2.8	14
131	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.	1.0	13
132	Electrical transport between epitaxial manganites and carbon nanotubes. Applied Physics Letters, 2006, 88, 083120.	1.5	13
133	Translating reproducible phase-separated texture in manganites into reproducible two-state low-field magnetoresistance: An imaging and transport study. Physical Review B, 2008, 78, .	1.1	13
134	Hyperspectral Nanoimaging of van der Waals Polaritonic Crystals. Nano Letters, 2021, 21, 7109-7115.	4.5	13
135	Crossover from anisotropic to isotropic transport inR2/3A1/3MnO3perovskites determined by crystal symmetry. Physical Review B, 2000, 61, 5857-5859.	1.1	12
136	High resolution determination of ferromagnetic metallic limit in epitaxial La1â^'xCaxMnO3 films on NdGaO3. Applied Physics Letters, 2006, 89, 142509.	1.5	12
137	HfO2 based memory devices with rectifying capabilities. Journal of Applied Physics, 2014, 115, 024501.	1.1	12
138	Hot Electrons and Hot Spins at Metalâ€“Organic Interfaces. Advanced Functional Materials, 2018, 28, 1706105.	7.8	12
139	Quantification of interfacial spin-charge conversion in hybrid devices with a metal/insulator interface. Applied Physics Letters, 2020, 117, .	1.5	12
140	Reliability of spin-to-charge conversion measurements in graphene-based lateral spin valves. 2D Materials, 2022, 9, 015024.	2.0	12
141	Spontaneous magnetostriction in La2/3(Ca1â^'x 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.	1.0	11
142	Evidence of weak ferromagnetism in chromium(III) oxide particles. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1547-1548.	1.0	11
143	Resistive switching phenomena in TiOx nanoparticle layers for memory applications. Applied Physics Letters, 2014, 105, 143506.	1.5	11
144	Frequency driven inversion of tunnel magnetoimpedance and observation of positive tunnel magnetocapacitance in magnetic tunnel junctions. Applied Physics Letters, 2016, 109, 052401.	1.5	10

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145	Absence of evidence of spin transport through amorphous Y3Fe5O12. Applied Physics Letters, 2020, 116, .	1.5	10
146	Magnetic and electric properties of Sr2FeMoO6. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 895-897.	1.0	9
147	Magnetic clusters in LiNi1ÂyCoyO2nanomaterials used as cathodes in lithium-ion batteries. Nanotechnology, 2003, 14, 277-282.	1.3	9
148	Magnetotransport of manganite superlattices: Investigating the role of a magnetic insulating spacer. Applied Physics Letters, 2008, 93, .	1.5	9
149	Non-conventional metallic electrodes for organic field-effect transistors. Organic Electronics, 2012, 13, 2301-2306.	1.4	9
150	Interfacial effects on the tunneling magnetoresistance in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">L</mml:mi><mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mrow><mml:mn>0.7</mml:mn></mml:mrow></mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:msub><mml:mi mathvariant="normal">r</mml:mi><mml:mrow><mml:mn>0.3</mml:mn></mml:mrow></mml:msub><mml:mi>Mn</mml:mi><mml:msu	1.1	9
151	One-transistor one-resistor (1T1R) cell for large-area electronics. Applied Physics Letters, 2018, 113, .	1.5	9
152	Large spin-charge interconversion induced by interfacial spin-orbit coupling in a highly conducting all-metallic system. Physical Review B, 2021, 104, .	1.1	9
153	Effects of electrochemical reduction on the magnetotransport properties of La0.67Ca0.33MnO3Â±Î´ nanoparticles. Journal of Magnetism and Magnetic Materials, 1999, 203, 253-255.	1.0	8
154	Lattice effects and phase competition in charge ordered manganites. Journal of Applied Physics, 2002, 91, 7412.	1.1	8
155	Spintronic investigation of the phase separated manganite (La,Ca)MnO3. Journal of Applied Physics, 2006, 100, 023903.	1.1	8
156	Manganite/Alq3 interfaces investigated by impedance spectroscopy technique. Organic Electronics, 2008, 9, 911-915.	1.4	8
157	Reliable determination of the Cu/n-Si Schottky barrier height by using in-device hot-electron spectroscopy. Applied Physics Letters, 2015, 107, .	1.5	8
158	Strain Effects on the Energy-Level Alignment at Metal/Organic Semiconductor Interfaces. ACS Applied Materials & Interfaces, 2019, 11, 12717-12722.	4.0	8
159	Tailoring Photoluminescence by Strain-Engineering in Layered Perovskite Flakes. Nano Letters, 2022, 22, 4153-4160.	4.5	8
160	In situ electrical characterization of palladium-based single electron transistors made by electromigration technique. AIP Advances, 2014, 4, .	0.6	7
161	Weak Delocalization in Graphene on a Ferromagnetic Insulating Film. Small, 2015, 11, 6295-6301.	5.2	7
162	Charge carrier mobility and electronic properties of Al(Op)3: impact of excimer formation. Beilstein Journal of Nanotechnology, 2015, 6, 1107-1115.	1.5	7

#	Article	IF	Citations
163	Spin transport enhancement by controlling the Ag growth in lateral spin valves. Journal Physics D: Applied Physics, 2015, 48, 215003.	1.3	7
164	Effect of the interface resistance in non-local Hanle measurements. Journal of Applied Physics, 2015, 117, 223911.	1.1	7
165	Gate-tunable graphene-organic interface barrier for vertical transistor and logic inverter. Applied Physics Letters, 2018, 113, .	1.5	7
166	Molecular spectroscopy in a solid-state device. Materials Horizons, 2019, 6, 1663-1668.	6.4	7
167	Effect of ferromagnetic/antiferromagnetic interfaces on the magnetic properties of La2âˆ•3Sr1âˆ•3MnO3âˆ•Pr2âˆ•3Ca1âˆ•3MnO3 superlattices. Journal of Applied Physics, 2006, 99, 08C903.	1.1	6
168	Mixed self-assembled monolayer gate dielectrics for low-voltage solution-processed polymer field-effect transistors. Journal of Materials Chemistry C, 2015, 3, 1181-1186.	2.7	6
169	Photodoping-Driven Crossover in the Low-Frequency Noise of MoS2 Transistors. Physical Review Applied, 2017, 7, .	1.5	6
170	Comment on â€œParamagnetic anomalies above the Curie temperature and colossal magnetoresistance in optimally doped manganitesâ€• Physical Review B, 2001, 64, .	1.1	5
171	Ultrathin manganite films grown by pulsed-plasma deposition. Journal of Magnetism and Magnetic Materials, 2007, 310, e780-e782.	1.0	5
172	Three-terminal resistive switching memory in a transparent vertical-configuration device. Applied Physics Letters, 2014, 104, .	1.5	5
173	Top dielectric induced ambipolarity in an n-channel dual-gated organic field effect transistor. Journal of Materials Chemistry C, 2019, 7, 10389-10393.	2.7	5
174	Interfacial mechanism in the anomalous Hall effect of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Co</mml:mi><mml:mo>/</mml:mo><mml:msub><mml:m mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> bilayers. Physical Review B, 2019, 100, .	1.1	5
175	Spin dynamics of Cr-doped La0.67Ca0.33MnO3 in the paramagnetic regime. Physica B: Condensed Matter, 2000, 284-288, 1418-1419.	1.3	4
176	Propagation and nanofocusing of infrared surface plasmons on tapered transmission lines: Influence of the substrate. Optics Communications, 2012, 285, 3378-3382.	1.0	4
177	Spin fluctuations, geometrical size effects, and zero-field topological order in textured MnSi thin films. Physical Review B, 2019, 99, .	1.1	4
178	Nonlinear behavior of Vâ€“I curves at low temperatures in nanoparticles of La2/3B1/3MnO3 with B=Ca,Sr. Physica B: Condensed Matter, 2002, 320, 115-118.	1.3	3
179	Modulation of spin accumulation by nanoscale confinement using electromigration in a metallic lateral spin valve. Nanotechnology, 2016, 27, 095201.	1.3	3
180	11,11,12,12â€Tetracyanonaphthoâ€2,6â€quinodimethane in Contact with Ferromagnetic Electrodes for Organic Spintronics. Advanced Electronic Materials, 2018, 4, 1800077.	2.6	3

#	Article	IF	Citations
181	Electrical transport properties of metal/La0.70Ca0.30MnO3 interfaces. Physica B: Condensed Matter, 2007, 398, 235-237.	1.3	2
182	Giant magnetic domain-wall resistance in phase-separated manganite films. Applied Physics Letters, 2010, 97, 253501.	1.5	2
183	Non-Hebbian Learning Implementation in Light-Controlled Resistive Memory Devices. PLoS ONE, 2012, 7, e52042.	1.1	2
184	Exploiting phase separation in monolithic La0.6Ca0.4MnO3 devices. Applied Physics Letters, 2013, 103, 062404.	1.5	2
185	Electronic transport in sub-micron square area organic field-effect transistors. Applied Physics Letters, 2013, 102, 103301.	1.5	2
186	Cobalt phthalocyanine-based submicrometric field-effect transistors. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 607-611.	0.8	2
187	Tuning ambipolarity in a polymer field effect transistor using graphene electrodes. Journal of Materials Chemistry C, 2020, 8, 8120-8124.	2.7	2
188	Spin Hall Magnetoresistance Effect from a Disordered Interface. ACS Applied Materials & Interfaces, 2022, 14, 8598-8604.	4.0	2
189	Transport properties in Gd doped La2/3Ca1/3MnO3. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 665-667.	1.0	1
190	Ferromagnetics: Weak Delocalization in Graphene on a Ferromagnetic Insulating Film (Small 47/2015). Small, 2015, 11, 6242-6242.	5.2	1
191	An Artificial Neuron Founded on Resistive Switching of Mott Insulators. , 2017, , .		1
192	Electron paramagnetic resonance and magnetization in Co doped La2/3Ca1/3MnO3. Journal of Applied Physics, 2001, 89, 7422-7424.	1.1	0
193	Paraneoplastic Ichthyosis. Actas Dermo-sifiliogrÃ¡ficas, 2008, 99, 317-318.	0.2	0
194	Mid-infrared nanophotonics based on antennas and transmission lines. , 2011, , .		0
195	Addressing Vibrational Excitations in Van der Waals Materials and Molecular Layers Within Electron Energy Loss Spectroscopy. Microscopy and Microanalysis, 2018, 24, 408-409.	0.2	0
196	Efectos intergranulares en perovskitas de manganeso nanocristalinas. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2000, 39, 259-262.	0.9	0