

# Felix Casanova

## List of Publications by Year in descending order

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148  
papers

8,232  
citations

34016

52  
h-index

51492

86  
g-index

150  
all docs

150  
docs citations

150  
times ranked

8863  
citing authors

#	ARTICLE	IF	CITATIONS
1	Infrared hyperbolic metasurface based on nanostructured van der Waals materials. <i>Science</i> , 2018, 359, 892-896.	6.0	344
2	Controlling graphene plasmons with resonant metal antennas and spatial conductivity patterns. <i>Science</i> , 2014, 344, 1369-1373.	6.0	292
3	Direct observation of ultraslow hyperbolic polariton propagation with negative phase velocity. <i>Nature Photonics</i> , 2015, 9, 674-678.	15.6	268
4	Acoustic terahertz graphene plasmons revealed by photocurrent nanoscopy. <i>Nature Nanotechnology</i> , 2017, 12, 31-35.	15.6	257
5	Boron nitride nanoresonators for phonon-enhanced molecular vibrational spectroscopy at the strong coupling limit. <i>Light: Science and Applications</i> , 2018, 7, 17172-17172.	7.7	257
6	Tuning the spin Hall effect of Pt from the moderately dirty to the superclean regime. <i>Physical Review B</i> , 2016, 94, .	1.1	243
7	Temperature dependence of spin diffusion length and spin Hall angle in Au and Pt. <i>Physical Review B</i> , 2015, 91, .	1.1	210
8	Resolving the electromagnetic mechanism of surface-enhanced light scattering at single hot spots. <i>Nature Communications</i> , 2012, 3, 684.	5.8	207
9	Nanofocusing of mid-infrared energy with tapered transmission lines. <i>Nature Photonics</i> , 2011, 5, 283-287.	15.6	203
10	Room-Temperature Spin Hall Effect in Graphene/MoS <sub>2</sub> van der Waals Heterostructures. <i>Nano Letters</i> , 2019, 19, 1074-1082.	4.5	186
11	Multiscale origin of the magnetocaloric effect in Ni-Mn-Ga shape-memory alloys. <i>Physical Review B</i> , 2003, 68, .	1.1	171
12	A two-dimensional spin field-effect switch. <i>Nature Communications</i> , 2016, 7, 13372.	5.8	168
13	Real-space mapping of tailored sheet and edge plasmons in graphene nanoresonators. <i>Nature Photonics</i> , 2016, 10, 239-243.	15.6	167
14	The Magnetic Genome of Two-Dimensional van der Waals Materials. <i>ACS Nano</i> , 2022, 16, 6960-7079.	7.3	149
15	Room-Temperature Spin Transport in C <sub>60</sub> -Based Spin Valves. <i>Advanced Materials</i> , 2011, 23, 1609-1613.	11.1	147
16	A molecular spin-photovoltaic device. <i>Science</i> , 2017, 357, 677-680.	6.0	147
17	Experimental Verification of the Spectral Shift between Near- and Far-Field Peak Intensities of Plasmonic Infrared Nanoantennas. <i>Physical Review Letters</i> , 2013, 110, 203902.	2.9	144
18	A Light-Controlled Resistive Switching Memory. <i>Advanced Materials</i> , 2012, 24, 2496-2500.	11.1	138

#	ARTICLE	IF	CITATIONS
19	Hanle Magnetoresistance in Thin Metal Films with Strong Spin-Orbit Coupling. Physical Review Letters, 2016, 116, 016603.	2.9	133
20	Real-Space Mapping of Fano Interference in Plasmonic Metamolecules. Nano Letters, 2011, 11, 3922-3926.	4.5	129
21	Magnetic field induced entropy change and magnetoelasticity in Ni-Mn-Ga alloys. Physical Review B, 2002, 66, .	1.1	124
22	Nanoimaging of resonating hyperbolic polaritons in linear boron nitride antennas. Nature Communications, 2017, 8, 15624.	5.8	121
23	Probing low-energy hyperbolic polaritons in van der Waals crystals with an electron microscope. Nature Communications, 2017, 8, 95.	5.8	111
24	Tunable Sign Change of Spin Hall Magnetoresistance in $\text{Pt}/\text{NiO}$ Structures. Physical Review Letters, 2017, 118, 147202.	2.9	109
25	Optical Nanoimaging of Hyperbolic Surface Polaritons at the Edges of van der Waals Materials. Nano Letters, 2017, 17, 228-235.	4.5	107
26	Spin Hall magnetoresistance at Pt/CoFe <sub>2</sub> O <sub>4</sub> interfaces and texture effects. Applied Physics Letters, 2014, 105, .	1.5	105
27	Real-space observation of vibrational strong coupling between propagating phonon polaritons and organic molecules. Nature Photonics, 2021, 15, 197-202.	15.6	90
28	Origin of inverse Rashba-Edelstein effect detected at the Cu/Bi interface using lateral spin valves. Physical Review B, 2016, 93, .	1.1	87
29	Gate-tunable diode and photovoltaic effect in an organic 2D layered material junction. Nanoscale, 2015, 7, 15442-15449.	2.8	84
30	Simultaneous detection of the spin-Hall magnetoresistance and the spin-Seebeck effect in platinum and tantalum on yttrium iron garnet. Physical Review B, 2014, 90, .	1.1	81
31	Large Multidirectional Spin-to-Charge Conversion in Low-Symmetry Semimetal $\text{MoTe}_2$ at Room Temperature. Nano Letters, 2019, 19, 8758-8766.	4.5	81
32	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
33	Entropy change and magnetocaloric effect in $\text{Gd}_5(\text{SixGe}_{1-x})_4$ . Physical Review B, 2002, 66, .	1.1	75
34	Room-temperature air-stable spin transport in bathocuproine-based spin valves. Nature Communications, 2013, 4, .	5.8	74
35	Control of spin injection by direct current in lateral spin valves. Physical Review B, 2009, 79, .	1.1	72
36	Scaling of the entropy change at the magnetoelastic transition in $\text{Gd}_5(\text{SixGe}_{1-x})_4$ . Physical Review B, 2002, 66, .	1.1	70

#	ARTICLE	IF	CITATIONS
37	Nature and entropy content of the ordering transitions in RCo <sub>2</sub> . Physical Review B, 2006, 73, .	1.1	70
38	Collective near-field coupling and nonlocal phenomena in infrared-phononic metasurfaces for nano-light canalization. Nature Communications, 2020, 11, 3663.	5.8	70
39	Impurity-Assisted Tunneling Magnetoresistance under a Weak Magnetic Field. Physical Review Letters, 2014, 113, 146601.	2.9	63
40	Gas adsorption and capillary condensation in nanoporous alumina films. Nanotechnology, 2008, 19, 315709.	1.3	62
41	Contribution of defects to the spin relaxation in copper nanowires. Physical Review B, 2013, 87, .	1.1	62
42	Relation between spin Hall effect and anomalous Hall effect in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">\langle \text{mml:mrow}>\langle \text{mml:mn}>3\langle \text{mml:mn}>\langle \text{mml:mi}>d\langle \text{mml:mi}>\langle \text{mml:mrow}>\langle \text{mml:mi}>1\langle \text{mml:mrow}>\langle \text{mml:mi}>02\langle \text{mml:mi}>/\text{mml:mi}>\langle \text{mml:math}>$ ferromagnetic metals. Physical Review B, 2019, 99, .	1.1	62
43	Gate-tuneable and chirality-dependent charge-to-spin conversion in tellurium nanowires. Nature Materials, 2022, 21, 526-532.	13.3	62
44	A high-sensitivity differential scanning calorimeter with magnetic field for magnetostructural transitions. Review of Scientific Instruments, 2003, 74, 4768-4771.	0.6	61
45	Gate- Controlled Energy Barrier at a Graphene/Molecular Semiconductor Junction. Advanced Functional Materials, 2015, 25, 2972-2979.	7.8	58
46	Competing effects at Pt/YIG interfaces: Spin Hall magnetoresistance, magnon excitations, and magnetic frustration. Physical Review B, 2016, 94, .	1.1	58
47	Temperature dependence of spin polarization in ferromagnetic metals using lateral spin valves. Physical Review B, 2013, 88, .	1.1	56
48	Unveiling the mechanisms of the spin Hall effect in Ta. Physical Review B, 2018, 98, .	1.1	56
49	Launching of hyperbolic phonon-polaritons in h-BN slabs by resonant metal plasmonic antennas. Nature Communications, 2019, 10, 3242.	5.8	56
50	Spin-dependent Seebeck effect in non-local spin valve devices. Applied Physics Letters, 2012, 100, .	1.5	54
51	Direct observation of the magnetic-field-induced entropy change in Gd <sub>5</sub> (SixGe <sub>1-x</sub> ) <sub>4</sub> giant magnetocaloric alloys. Applied Physics Letters, 2005, 86, 262504.	1.5	53
52	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
53	Resistive switching dependence on atomic layer deposition parameters in HfO <sub>2</sub> -based memory devices. Journal of Materials Chemistry C, 2014, 2, 3204-3211.	2.7	52
54	Deeply subwavelength phonon-polaritonic crystal made of a van der Waals material. Nature Communications, 2019, 10, 42.	5.8	51

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55	Surface enhanced spin-flip scattering in lateral spin valves. Applied Physics Letters, 2010, 96, .	1.5	49
56	Large room temperature spin-to-charge conversion signals in a few-layer graphene/Pt lateral heterostructure. Nature Communications, 2017, 8, 661.	5.8	46
57	Spin-orbit magnetic state readout in scaled ferromagnetic/heavy metal nanostructures. Nature Electronics, 2020, 3, 309-315.	13.1	45
58	Effect of a magnetic field on the magnetostructural phase transition in $Gd_5(SixGe_{1-x})_4$ . Physical Review B, 2004, 69, .	1.1	44
59	Nanofocusing of Hyperbolic Phonon Polaritons in a Tapered Boron Nitride Slab. ACS Photonics, 2016, 3, 924-929.	3.2	44
60	How reliable are Hanle measurements in metals in a three-terminal geometry?. Applied Physics Letters, 2013, 102, .	1.5	43
61	Direct observation of cooperative effects in capillary condensation: The hysteretic origin. Applied Physics Letters, 2007, 91, .	1.5	42
62	Gate tunability of highly efficient spin-to-charge conversion by spin Hall effect in graphene proximitized with WSe <sub>2</sub> . APL Materials, 2020, 8, .	2.2	42
63	Determination of energy level alignment at metal/molecule interfaces by in-device electrical spectroscopy. Nature Communications, 2014, 5, 4161.	5.8	40
64	Energy Level Alignment at Metal/Solution-Processed Organic Semiconductor Interfaces. Advanced Materials, 2017, 29, 1606901.	11.1	37
65	Absence of magnetic proximity effects in magnetoresistive Pt/CoF <sub>2</sub> hybrid interfaces. Physical Review B, 2016, 93, .	1.1	35
66	Interface-Assisted Sign Inversion of Magnetoresistance in Spin Valves Based on Novel Lanthanide Quinoline Molecules. Advanced Functional Materials, 2018, 28, 1702099.	7.8	35
67	Electrical Control of Valley-Zeeman Spin-Orbit-Coupling-Induced Spin Precession at Room Temperature. Physical Review Letters, 2021, 127, 047202.	2.9	35
68	Spin Hall Magnetoresistance as a Probe for Surface Magnetization in Pt/Co <sub>2</sub> O <sub>4</sub> hybrid interfaces. Physical Review Applied, 2016, 6, .	1.5	34
69	Synthetic Antiferromagnetic Coupling Between Ultrathin Insulating Garnets. Physical Review Applied, 2018, 10, .	1.5	34
70	Flexible semi-transparent organic spin valve based on bathocuproine. Applied Physics Letters, 2014, 105, .	1.5	33
71	Effect of surface interactions on the hysteresis of capillary condensation in nanopores. Europhysics Letters, 2008, 81, 26003.	0.7	32
72	Modulation of pure spin currents with a ferromagnetic insulator. Physical Review B, 2015, 91, .	1.1	30

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73	Spin doping using transition metal phthalocyanine molecules. Nature Communications, 2016, 7, 13751.	5.8	30
74	Graphene as an electrode for solution-processed electron-transporting organic transistors. Nanoscale, 2017, 9, 10178-10185.	2.8	30
75	Spin diffusion length of Permalloy using spin absorption in lateral spin valves. Applied Physics Letters, 2017, 111, .	1.5	30
76	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
77	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
78	Microcavity phonon polaritons from the weak to the ultrastrong phonon-photon coupling regime. Nature Communications, 2021, 12, 6206.	5.8	27
79	Giant heat dissipation at the low-temperature reversible-irreversible transition in Gd <sub>5</sub> Ge <sub>4</sub> . Physical Review B, 2005, 72, .	1.1	26
80	C <sub>60</sub> -based hot-electron magnetic tunnel transistor. Applied Physics Letters, 2012, 101, 102404.	1.5	26
81	Coexistence of short-range ferromagnetic and antiferromagnetic correlations in Ge-rich Gd <sub>5</sub> (Si <sub>x</sub> Ge <sub>1-x</sub> ) <sub>4</sub> alloys. Journal Physics D: Applied Physics, 2005, 38, 3343-3347.	1.3	25
82	Tuning the charge flow between Marcus regimes in an organic thin-film device. Nature Communications, 2019, 10, 2089.	5.8	25
83	Controlling the Role of Nanopore Morphology in Capillary Condensation. Langmuir, 2012, 28, 6832-6838.	1.6	24
84	Embedded purification for electron beam induced Pt deposition using MeCpPtMe <sub>3</sub> . Nanotechnology, 2015, 26, 095303.	1.3	24
85	Enhanced Light-Matter Interaction in <sup>10</sup> B Monoisotopic Boron Nitride Infrared Nanoresonators. Advanced Optical Materials, 2021, 9, 2001958.	3.6	24
86	Dynamics of the first-order magnetostructural transition in Gd <sub>5</sub> (Si <sub>x</sub> Ge <sub>1-x</sub> ) <sub>4</sub> . European Physical Journal B, 2004, 40, 427-431.	0.6	23
87	Absence of detectable current-induced magneto-optical Kerr effects in Pt, Ta, and W. Applied Physics Letters, 2016, 109, .	1.5	22
88	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
89	Spin Hall magnetoresistance in a low-dimensional Heisenberg ferromagnet. Physical Review B, 2019, 100, .	1.1	21
90	Acoustic emission across the magnetostructural transition of the giant magnetocaloric Gd <sub>5</sub> Si <sub>2</sub> Ge <sub>2</sub> . Physical Review B, 2006, 73, .	1.1	20

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91	Spin Hall Effect in Bilayer Graphene Combined with an Insulator up to Room Temperature. Nano Letters, 2020, 20, 4573-4579.	4.5	20
92	Room-Temperature Operation of a p-Type Molecular Spin Photovoltaic Device on a Transparent Substrate. Advanced Materials, 2020, 32, e1906908.	11.1	20
93	Tailoring Superconductivity in Large-Area Single-Layer NbSe <sub>2</sub> via Self-Assembled Molecular Adlayers. Nano Letters, 2021, 21, 136-143.	4.5	19
94	Change in entropy at a first-order magnetoelastic phase transition: Case study of Gd <sub>5</sub> (SixGe <sub>1-x</sub> ) <sub>4</sub> giant magnetocaloric alloys. Journal of Applied Physics, 2003, 93, 8313-8315.	1.1	19
95	C60/NiFe combination as a promising platform for molecular spintronics. Organic Electronics, 2012, 13, 366-372.	1.4	18
96	Spin injection and local magnetoresistance effects in three-terminal devices. Journal Physics D: Applied Physics, 2016, 49, 133001.	1.3	18
97	Anomalous Hall-like transverse magnetoresistance in Au thin films on Y <sub>3</sub> Fe <sub>5</sub> O <sub>12</sub> . Applied Physics Letters, 2018, 113, .	1.5	18
98	Paramagnetic spin Hall magnetoresistance. Physical Review B, 2021, 104, .	1.1	18
99	Spin-Polarized Hopping Transport in Magnetically Tunable Rare-Earth Quinolines. Advanced Electronic Materials, 2015, 1, 1500065.	2.6	17
100	Scale-invariant large nonlocality in polycrystalline graphene. Nature Communications, 2017, 8, 2198.	5.8	17
101	Differences in the magnon diffusion length for electrically and thermally driven magnon currents in Y <sub>3</sub> Fe <sub>5</sub> O <sub>12</sub> . Physical Review Applied, 2019, 11, 044002.	1.1	17
102	Exchange Bias in Molecule/Fe <sub>3</sub> GeTe <sub>2</sub> van der Waals Heterostructures via Spininterface Effects. Advanced Materials, 2022, 34, e2200474.	11.1	17
103	Disentangling Spin, Anomalous, and Planar Hall Effects in Ferromagnetic Heavy-Metal Nanostructures. Physical Review Applied, 2021, 15, .	1.5	16
104	Griffiths-like phase and magnetic correlations at high fields in Gd <sub>5</sub> Ge <sub>4</sub> . Physical Review B, 2011, 83, .	1.1	15
105	Resistive switching in rectifying interfaces of metal-semiconductor-metal structures. Applied Physics Letters, 2013, 103, .	1.5	15
106	Tailoring palladium nanocontacts by electromigration. Applied Physics Letters, 2013, 102, .	1.5	15
107	On the Role of Interfaces on Spin Transport in Magnetic Insulator/Normal Metal Heterostructures. Advanced Materials Interfaces, 2019, 6, 1900475.	1.9	15
108	Omnidirectional spin-to-charge conversion in graphene/NbSe <sub>2</sub> van der Waals heterostructures. 2D Materials, 2022, 9, 045001.	2.0	15

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109	Hyperspectral Nanoimaging of van der Waals Polaritonic Crystals. <i>Nano Letters</i> , 2021, 21, 7109-7115.	4.5	13
110	Entropy change at the magnetostructural transition in. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 301, 378-382.	1.0	12
111	HfO <sub>2</sub> based memory devices with rectifying capabilities. <i>Journal of Applied Physics</i> , 2014, 115, 024501.	1.1	12
112	Quantification of interfacial spin-charge conversion in hybrid devices with a metal/insulator interface. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	12
113	Reliability of spin-to-charge conversion measurements in graphene-based lateral spin valves. <i>2D Materials</i> , 2022, 9, 015024.	2.0	12
114	Resistive switching phenomena in TiO <sub>x</sub> nanoparticle layers for memory applications. <i>Applied Physics Letters</i> , 2014, 105, 143506.	1.5	11
115	Frequency driven inversion of tunnel magnetoimpedance and observation of positive tunnel magnetocapacitance in magnetic tunnel junctions. <i>Applied Physics Letters</i> , 2016, 109, 052401.	1.5	10
116	Absence of evidence of spin transport through amorphous Y <sub>3</sub> Fe <sub>5</sub> O <sub>12</sub> . <i>Applied Physics Letters</i> , 2020, 116, .	1.5	10
117	Differential scanning calorimetry experiments in $\langle \text{mml:math altimg="sl25.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:tbl_struct="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/xml/common/struct-ce/dtd" \rangle$	1.0	9
118	Reply to "Comment on "Nature and entropy content of the ordering transitions in RCo <sub>2</sub> " Physical Review B, 2007, 75, .	1.1	9
119	Non-conventional metallic electrodes for organic field-effect transistors. <i>Organic Electronics</i> , 2012, 13, 2301-2306.	1.4	9
120	Interfacial effects on the tunneling magnetoresistance in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle L \langle \text{mml:msub} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle a \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 0.7 \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle S \langle \text{mml:msub} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle r \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 0.3 \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle Mn \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle$	1.1	9
121	Large spin-charge interconversion induced by interfacial spin-orbit coupling in a highly conducting all-metallic system. <i>Physical Review B</i> , 2021, 104, .	1.1	9
122	Reliable determination of the Cu/n-Si Schottky barrier height by using in-device hot-electron spectroscopy. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	8
123	Strain Effects on the Energy-Level Alignment at Metal/Organic Semiconductor Interfaces. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 12717-12722.	4.0	8
124	Tailoring Photoluminescence by Strain-Engineering in Layered Perovskite Flakes. <i>Nano Letters</i> , 2022, 22, 4153-4160.	4.5	8
125	In situ electrical characterization of palladium-based single electron transistors made by electromigration technique. <i>AIP Advances</i> , 2014, 4, .	0.6	7
126	Weak Delocalization in Graphene on a Ferromagnetic Insulating Film. <i>Small</i> , 2015, 11, 6295-6301.	5.2	7



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127	Spin transport enhancement by controlling the Ag growth in lateral spin valves. Journal Physics D: Applied Physics, 2015, 48, 215003.	1.3	7
128	Effect of the interface resistance in non-local Hanle measurements. Journal of Applied Physics, 2015, 117, 223911.	1.1	7
129	Gate-tunable graphene-organic interface barrier for vertical transistor and logic inverter. Applied Physics Letters, 2018, 113, .	1.5	7
130	Molecular spectroscopy in a solid-state device. Materials Horizons, 2019, 6, 1663-1668.	6.4	7
131	Photodoping-Driven Crossover in the Low-Frequency Noise of MoS2 Transistors. Physical Review Applied, 2017, 7, .	1.5	6
132	Magnetocaloric and shape-memory effects in Ni-Mn-Ga ferro-magnetic alloys. European Physical Journal Special Topics, 2004, 115, 105-110.	0.2	5
133	Three-terminal resistive switching memory in a transparent vertical-configuration device. Applied Physics Letters, 2014, 104, .	1.5	5
134	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
135	Interfacial mechanism in the anomalous Hall effect of $\text{CoO}_3$ bilayers. Physical Review B, 2019, 100, .	1.1	5
136	Magnetic field induced entropy change and magnetoelasticity in Ni-Mn-Ga alloys. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1595-E1596.	1.0	4
137	Commensurability effects in magnetic properties of superconducting Nb thin films with periodic submicrometric pores. Physica B: Condensed Matter, 2009, 404, 2809-2811.	1.3	4
138	Propagation and nanofocusing of infrared surface plasmons on tapered transmission lines: Influence of the substrate. Optics Communications, 2012, 285, 3378-3382.	1.0	4
139	Spin fluctuations, geometrical size effects, and zero-field topological order in textured MnSi thin films. Physical Review B, 2019, 99, .	1.1	4
140	Modulation of spin accumulation by nanoscale confinement using electromigration in a metallic lateral spin valve. Nanotechnology, 2016, 27, 095201.	1.3	3
141	Functional Demonstration of a Fully Integrated Magneto-Electric Spin-Orbit Device. , 2021, , .		3
142	Non-Hebbian Learning Implementation in Light-Controlled Resistive Memory Devices. PLoS ONE, 2012, 7, e52042.	1.1	2
143	Electronic transport in sub-micron square area organic field-effect transistors. Applied Physics Letters, 2013, 102, 103301.	1.5	2
144	Cobalt phthalocyanine-based submicrometric field-effect transistors. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 607-611.	0.8	2

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145	Tuning ambipolarity in a polymer field effect transistor using graphene electrodes. Journal of Materials Chemistry C, 2020, 8, 8120-8124.	2.7	2
146	Spin Hall Magnetoresistance Effect from a Disordered Interface. ACS Applied Materials & Interfaces, 2022, 14, 8598-8604.	4.0	2
147	Ferromagnetics: Weak Delocalization in Graphene on a Ferromagnetic Insulating Film (Small 47/2015). Small, 2015, 11, 6242-6242.	5.2	1
148	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