

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35 papers	2,752 citations	22 h-index	37 g-index
37 ext. papers	3,246 ext. citations	9.1 avg, IF	5.1 L-index

#	Paper	IF	Citations
35	Ambipolar solution-processed hybrid perovskite phototransistors. <i>Nature Communications</i> , 2015 , 6, 8238	17.4	447
34	Heterostructured WS ₂ /CH ₃ NH ₃ PbI ₃ Photoconductors with Suppressed Dark Current and Enhanced Photodetectivity. <i>Advanced Materials</i> , 2016 , 28, 3683-9	24	319
33	Intercorrelated In-Plane and Out-of-Plane Ferroelectricity in Ultrathin Two-Dimensional Layered Semiconductor InSe. <i>Nano Letters</i> , 2018 , 18, 1253-1258	11.5	293
32	Two-dimensional materials with piezoelectric and ferroelectric functionalities. <i>Npj 2D Materials and Applications</i> , 2018 , 2,	8.8	147
31	Multidirection Piezoelectricity in Mono- and Multilayered Hexagonal InSe. <i>ACS Nano</i> , 2018 , 12, 4976-4983	16.7	133
30	Optically controlled electroresistance and electrically controlled photovoltage in ferroelectric tunnel junctions. <i>Nature Communications</i> , 2016 , 7, 10808	17.4	127
29	Room-Temperature Ferroelectricity in Hexagonally Layered In ₂ Se ₃ Nanoflakes down to the Monolayer Limit. <i>Advanced Functional Materials</i> , 2018 , 28, 1803738	15.6	127
28	Universal ferroelectric switching dynamics of vinylidene fluoride-trifluoroethylene copolymer films. <i>Scientific Reports</i> , 2014 , 4, 4772	4.9	126
27	Light-Responsive Ion-Redistribution-Induced Resistive Switching in Hybrid Perovskite Schottky Junctions. <i>Advanced Functional Materials</i> , 2018 , 28, 1704665	15.6	126
26	Multiferroic oxide thin films and heterostructures. <i>Applied Physics Reviews</i> , 2015 , 2, 021304	17.3	112
25	Giant magnetocaloric effect in the Ising antiferromagnet DySb. <i>Applied Physics Letters</i> , 2008 , 92, 192505	3.4	102
24	Origin of giant negative piezoelectricity in a layered van der Waals ferroelectric. <i>Science Advances</i> , 2019 , 5, eaav3780	14.3	74
23	Large reversible magnetocaloric effect in Tb ₃ Co compound. <i>Applied Physics Letters</i> , 2008 , 92, 242504	3.4	70
22	Gate-Tunable and Multidirection-Switchable Memristive Phenomena in a Van Der Waals Ferroelectric. <i>Advanced Materials</i> , 2019 , 31, e1901300	24	67
21	Substrate Lattice-Guided Seed Formation Controls the Orientation of 2D Transition-Metal Dichalcogenides. <i>ACS Nano</i> , 2017 , 11, 9215-9222	16.7	64
20	Magnetocaloric effect in Ho ₂ In over a wide temperature range. <i>Applied Physics Letters</i> , 2009 , 94, 182501	3.4	60
19	Large reversible magnetocaloric effect in TbCoC ₂ in low magnetic field. <i>Applied Physics Letters</i> , 2008 , 92, 242508	3.4	58

18	Effects of High Temperature and Thermal Cycling on the Performance of Perovskite Solar Cells: Acceleration of Charge Recombination and Deterioration of Charge Extraction. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 35018-35029	9.5	52
17	Multiferroic tunnel junctions. <i>Frontiers of Physics</i> , 2012 , 7, 380-385	3.7	37
16	Ferromagnetism and superparamagnetism of ZnCoO:H nanocrystals. <i>Applied Physics Letters</i> , 2008 , 92, 242505	3.4	32
15	Large low-field inverse magnetocaloric effect in Ni ₅₀ Mn _{38+x} Sb ₁₂ alloys. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 125003	3	31
14	Multiferroic tunnel junctions and ferroelectric control of magnetic state at interface (invited). <i>Journal of Applied Physics</i> , 2015 , 117, 172601	2.5	23
13	Giant reversible magnetocaloric effect in cobalt hydroxide nanoparticles. <i>Applied Physics Letters</i> , 2008 , 93, 202502	3.4	22
12	Colossal X-Ray-Induced Persistent Photoconductivity in Current-Perpendicular-to-Plane Ferroelectric/Semiconductor Junctions. <i>Advanced Functional Materials</i> , 2018 , 28, 1704337	15.6	19
11	Regulation of Ferroelectric Polarization to Achieve Efficient Charge Separation and Transfer in Particulate RuO ₂ /BiFeO ₃ for High Photocatalytic Water Oxidation Activity. <i>Small</i> , 2020 , 16, e2003361	11	18
10	Cooling-field dependence of exchange bias in Mg-diluted Ni _{1-x} MgxO/Ni granular systems. <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 1943-1946	2.8	14
9	Space-charge-mediated anomalous ferroelectric switching in P(VDF-TrEE) polymer films. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 19057-63	9.5	12
8	Emerging opportunities for voltage-driven magneto-ionic control in ferroic heterostructures. <i>APL Materials</i> , 2021 , 9, 040904	5.7	8
7	Normal or inverse magnetocaloric effects at the transition between antiferromagnetism and ferromagnetism. <i>Applied Physics Letters</i> , 2012 , 100, 242408	3.4	7
6	Raman spectra and room-temperature ferromagnetism of hydrogenated Zn _{0.95} Mn _{0.05} O nanopowders. <i>Journal of Applied Physics</i> , 2009 , 105, 123902	2.5	7
5	Electrical and optical modulation on ferroelectric properties of P(VDF-TrFE) thin film capacitors. <i>Journal of Materials Science and Technology</i> , 2019 , 35, 2194-2199	9.1	5
4	Magnetic properties and unusual exchange coupling in self-organized NdMnO ₃ /Mn ₃ O ₄ nanocomposite films. <i>Journal of Applied Physics</i> , 2011 , 110, 013904	2.5	2
3	An overview of SrRuO ₃ -based heterostructures for spintronic and topological phenomena. <i>Journal Physics D: Applied Physics</i> , 2022 , 55, 233001	3	2
2	Coupled Current Jumps and Domain Wall Creeps in a Defect-Engineered Ferroelectric Resistive Memory. <i>Advanced Electronic Materials</i> , 2101059	6.4	1
1	The effects of Eu ³⁺ doping on the epitaxial growth and photovoltaic properties of BiFeO ₃ thin films. <i>Journal of Materials Science and Technology</i> , 2021 , 106, 49-49	9.1	0

