Wei-Jin Hu

List of Publications by Year in Descending Order

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	An overview of SrRuO3-based heterostructures for spintronic and topological phenomena. *Journal Physics D: Applied Physics*, **2022**, 55, 233001	3	2
34	Emerging opportunities for voltage-driven magneto-ionic control in ferroic heterostructures. *APL Materials*, **2021**, 9, 040904	5.7	8
33	The effects of Eu3+ doping on the epitaxial growth and photovoltaic properties of BiFeO3 thin films. *Journal of Materials Science and Technology*, **2021**, 106, 49-49	9.1	0
32	Regulation of Ferroelectric Polarization to Achieve Efficient Charge Separation and Transfer in Particulate RuO /BiFeO for High Photocatalytic Water Oxidation Activity. *Small*, **2020**, 16, e2003361	11	18
31	Gate-Tunable and Multidirection-Switchable Memristive Phenomena in a Van Der Waals Ferroelectric. *Advanced Materials*, **2019**, 31, e1901300	24	67
30	Electrical and optical modulation on ferroelectric properties of P(VDF-TrFE) thin film capacitors. *Journal of Materials Science and Technology*, **2019**, 35, 2194-2199	9.1	5
29	Origin of giant negative piezoelectricity in a layered van der Waals ferroelectric. *Science Advances*, **2019**, 5, eaav3780	14.3	74
28	Multidirection Piezoelectricity in Mono- and Multilayered Hexagonal □nSe. *ACS Nano*, **2018**, 12, 4976-4983	16.7	133
27	Intercorrelated In-Plane and Out-of-Plane Ferroelectricity in Ultrathin Two-Dimensional Layered Semiconductor InSe. *Nano Letters*, **2018**, 18, 1253-1258	11.5	293
26	Two-dimensional materials with piezoelectric and ferroelectric functionalities. *Npj 2D Materials and Applications*, **2018**, 2,	8.8	147
25	Light-Responsive Ion-Redistribution-Induced Resistive Switching in Hybrid Perovskite Schottky Junctions. *Advanced Functional Materials*, **2018**, 28, 1704665	15.6	126
24	Colossal X-Ray-Induced Persistent Photoconductivity in Current-Perpendicular-to-Plane Ferroelectric/Semiconductor Junctions. *Advanced Functional Materials*, **2018**, 28, 1704337	15.6	19
23	Room-Temperature Ferroelectricity in Hexagonally Layered □n2Se3 Nanoflakes down to the Monolayer Limit. *Advanced Functional Materials*, **2018**, 28, 1803738	15.6	127
22	Effects of High Temperature and Thermal Cycling on the Performance of Perovskite Solar Cells: Acceleration of Charge Recombination and Deterioration of Charge Extraction. *ACS Applied Materials & Interfaces*, **2017**, 9, 35018-35029	9.5	52
21	Substrate Lattice-Guided Seed Formation Controls the Orientation of 2D Transition-Metal Dichalcogenides. *ACS Nano*, **2017**, 11, 9215-9222	16.7	64
20	Optically controlled electroresistance and electrically controlled photovoltage in ferroelectric tunnel junctions. *Nature Communications*, **2016**, 7, 10808	17.4	127
19	Heterostructured WS2 /CH3 NH3 PbI3 Photoconductors with Suppressed Dark Current and Enhanced Photodetectivity. *Advanced Materials*, **2016**, 28, 3683-9	24	319

18	Ambipolar solution-processed hybrid perovskite phototransistors. *Nature Communications*, **2015**, 6, 8238	17.4	447
17	Multiferroic tunnel junctions and ferroelectric control of magnetic state at interface (invited). *Journal of Applied Physics*, **2015**, 117, 172601	2.5	23
16	Multiferroic oxide thin films and heterostructures. *Applied Physics Reviews*, **2015**, 2, 021304	17.3	112
15	Universal ferroelectric switching dynamics of vinylidene fluoride-trifluoroethylene copolymer films. *Scientific Reports*, **2014**, 4, 4772	4.9	126
14	Space-charge-mediated anomalous ferroelectric switching in P(VDF-TrEE) polymer films. *ACS Applied Materials & Interfaces*, **2014**, 6, 19057-63	9.5	12
13	Multiferroic tunnel junctions. *Frontiers of Physics*, **2012**, 7, 380-385	3.7	37
12	Normal or inverse magnetocaloric effects at the transition between antiferromagnetism and ferromagnetism. *Applied Physics Letters*, **2012**, 100, 242408	3.4	7
11	Magnetic properties and unusual exchange coupling in self-organized NdMnO3/Mn3O4 nanocomposite films. *Journal of Applied Physics*, **2011**, 110, 013904	2.5	2
10	Magnetocaloric effect in Ho2In over a wide temperature range. *Applied Physics Letters*, **2009**, 94, 182501	3.4	60
9	Raman spectra and room-temperature ferromagnetism of hydrogenated Zn0.95Mn0.05O nanopowders. *Journal of Applied Physics*, **2009**, 105, 123902	2.5	7
8	Cooling-field dependence of exchange bias in Mg-diluted Ni1−xMgxO/Ni granular systems. *Journal of Magnetism and Magnetic Materials*, **2009**, 321, 1943-1946	2.8	14
7	Large low-field inverse magnetocaloric effect in Ni50−xMn38+xSb12alloys. *Journal Physics D: Applied Physics*, **2009**, 42, 125003	3	31
6	Large reversible magnetocaloric effect in TbCoC2 in low magnetic field. *Applied Physics Letters*, **2008**, 92, 242508	3.4	58
5	Giant magnetocaloric effect in the Ising antiferromagnet DySb. *Applied Physics Letters*, **2008**, 92, 192505	3.4	102
4	Large reversible magnetocaloric effect in Tb3Co compound. *Applied Physics Letters*, **2008**, 92, 242504	3.4	70
3	Ferromagnetism and superparamagnetism of ZnCoO:H nanocrystals. *Applied Physics Letters*, **2008**, 92, 242505	3.4	32
2	Giant reversible magnetocaloric effect in cobalt hydroxide nanoparticles. *Applied Physics Letters*, **2008**, 93, 202502	3.4	22
1	Coupled Current Jumps and Domain Wall Creeps in a Defect-Engineered Ferroelectric Resistive Memory. *Advanced Electronic Materials*,2101059	6.4	1