

# Jin-Hong Lee

## List of Publications by Year in descending order

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papers

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516710

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580821

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26  
docs citations

26  
times ranked

1547  
citing authors

#	ARTICLE	IF	CITATIONS
1	Concurrent transition of ferroelectric and magnetic ordering near room temperature. Nature Communications, 2011, 2, 567.	12.8	141
2	Enhancement of the anisotropic photocurrent in ferroelectric oxides by strain gradients. Nature Nanotechnology, 2015, 10, 972-979.	31.5	134
3	The 2021 quantum materials roadmap. JPhys Materials, 2020, 3, 042006.	4.2	111
4	Configurable topological textures in strain graded ferroelectric nanoplates. Nature Communications, 2018, 9, 403.	12.8	91
5	Electric control of straight stripe conductive mixed-phase nanostructures in La-doped BiFeO <sub>3</sub> . NPC Asia Materials, 2014, 6, e81-e81.	7.9	49
6	Direct Mapping of Phase Separation across the Metal-Insulator Transition of NdNiO <sub>3</sub> . Nano Letters, 2018, 18, 2226-2232.	9.1	42
7	Electric-field-induced spin disorder-to-order transition near a multiferroic triple phase point. Nature Physics, 2017, 13, 189-196.	16.7	41
8	Suppression of mixed-phase areas in highly elongated BiFeO <sub>3</sub> thin films on NdAlO <sub>2</sub> substrates. Physical Review B, 2012, 86, .	3.2	34
9	Uniaxial Strain-Controlled Ferroelastic Domain Evolution in BiFeO <sub>3</sub> . ACS Applied Materials & Interfaces, 2018, 10, 11768-11775.	8.0	28
10	Anomalous low-energy phonons in nearly tetragonal BiFeO <sub>3</sub> thin films. Physical Review B, 2011, 84, .	3.2	26
11	Phase separation and electrical switching between two isosymmetric multiferroic phases in tensile strained BiFeO <sub>3</sub> thin films. Physical Review B, 2014, 89, .	3.2	26
12	Spatially Controlled Octahedral Rotations and Metal-Insulator Transitions in Nickelate Superlattices. Nano Letters, 2021, 21, 1295-1302.	9.1	24
13	Enhanced conductivity at orthorhombic-rhombohedral phase boundaries in BiFeO <sub>3</sub> thin films. NPC Asia Materials, 2016, 8, e297-e297.	7.9	22
14	Ultrafast collective oxygen-vacancy flow in Ca-doped BiFeO <sub>3</sub> . NPC Asia Materials, 2018, 10, 943-955.	7.9	21
15	Single ferroelectric-domain photovoltaic switch based on lateral BiFeO <sub>3</sub> cells. NPC Asia Materials, 2013, 5, e38-e38.	7.9	20
16	Electric-field-induced insulator to Coulomb glass transition via oxygen-vacancy migration in Ca-doped BiFeO <sub>3</sub> . Physical Review B, 2016, 94, .	3.2	20
17	Ferroelastic twin structures in epitaxial WO <sub>3</sub> thin films. Applied Physics Letters, 2015, 107, .	3.3	14
18	Out-of-plane three-stable-state ferroelectric switching: Finding the missing middle states. Physical Review B, 2016, 93, .	3.2	14

#	ARTICLE	IF	CITATIONS
19	Strain-gradient-induced magnetic anisotropy in straight-stripe mixed-phase bismuth ferrites: Insight into flexomagnetism. <i>Physical Review B</i> , 2017, 96, .	3.2	14
20	Poisson's ratio of BiFeO <sub>3</sub> thin films: X-ray reciprocal space mapping under variable uniaxial strain. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1600356.	1.8	13
21	Imaging and Harnessing Percolation at the Metal-Insulator Transition of NdNiO <sub>3</sub> Nanogaps. <i>Nano Letters</i> , 2019, 19, 7801-7805.	9.1	12
22	Nonreciprocal Transport in a Rashba Ferromagnet, Delafossite PdCoO <sub>2</sub> . <i>Nano Letters</i> , 2021, 21, 8687-8692.	9.1	9
23	Orientation control of the orbital ordering plane in epitaxial LaMnO <sub>3</sub> thin films by misfit strain. <i>Europhysics Letters</i> , 2016, 116, 27003.	2.0	5
24	Deterministic domain reorientations in the BiFeO <sub>3</sub> thin film upon the thermal phase transitions. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	5
25	Largely enhanced coercivity of cobalt adjacent to straight-stripe mixed-phase bismuth ferrites. <i>Physical Review B</i> , 2018, 97, .	3.2	2
26	Depth profile reconstruction of YCrO <sub>3</sub> /CaMnO <sub>3</sub> superlattices by near total reflection hard x-ray photoelectron spectroscopy. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2021, 39, 053204.	2.1	0