

# Shang-Lin Hsu

## List of Publications by Year in descending order

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18  
papers

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687220

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887953

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18  
docs citations

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times ranked

1597  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability of Polar Vortex Lattice in Ferroelectric Superlattices. Nano Letters, 2017, 17, 2246-2252.	4.5	131
2	Emergent chirality in the electric polarization texture of titanate superlattices. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 915-920.	3.3	121
3	Highly crystalline MoS <sub>2</sub> thin films grown by pulsed laser deposition. Applied Physics Letters, 2015, 106, .	1.5	117
4	Atomic-scale control of magnetic anisotropy via novel spin-orbit coupling effect in La <sub>2/3</sub> Sr <sub>1/3</sub> MnO <sub>3</sub> /SrIrO <sub>3</sub> superlattices. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6397-6402.	3.3	108
5	Large polarization gradients and temperature-stable responses in compositionally-graded ferroelectrics. Nature Communications, 2017, 8, 14961.	5.8	60
6	Enhanced Electrical Resistivity and Properties via Ion Bombardment of Ferroelectric Thin Films. Advanced Materials, 2016, 28, 10750-10756.	11.1	52
7	Reducing Coercive-Field Scaling in Ferroelectric Thin Films via Orientation Control. ACS Nano, 2018, 12, 4736-4743.	7.3	47
8	Emergence of the Vortex State in Confined Ferroelectric Heterostructures. Advanced Materials, 2019, 31, e1901014.	11.1	37
9	Electric field control of chirality. Science Advances, 2022, 8, eabj8030.	4.7	35
10	Perspective: Emergent topologies in oxide superlattices. APL Materials, 2018, 6, 100901.	2.2	28
11	Epitaxial Growth of Intermetallic MnPt Films on Oxides and Large Exchange Bias. Advanced Materials, 2016, 28, 118-123.	11.1	24
12	Strain-induced growth instability and nanoscale surface patterning in perovskite thin films. Scientific Reports, 2016, 6, 26075.	1.6	24
13	Integration of amorphous ferromagnetic oxides with multiferroic materials for room temperature magnetoelectric spintronics. Scientific Reports, 2020, 10, 3583.	1.6	16
14	In situ Electric Field Manipulation of Ferroelectric Vortices. Microscopy and Microanalysis, 2019, 25, 1844-1845.	0.2	3
15	Multimodal Acquisition of Properties and Structure with Transmission Electron Reciprocal-space (MAPSTER) Microscopy. Microscopy and Microanalysis, 2016, 22, 1412-1413.	0.2	2
16	Phase Coexistence of Ferroelectric Vortices and Classical a <sub>1</sub> /a <sub>2</sub> Domains in PbTiO <sub>3</sub> /SrTiO <sub>3</sub> Superlattices.. Microscopy and Microanalysis, 2018, 24, 1638-1639.	0.2	2
17	Orientation-controllable growth of Co <sub>3</sub> O <sub>4</sub> single nanocrystals using a BiCoO <sub>3</sub> target by pulsed laser deposition. RSC Advances, 2017, 7, 42088-42093.	1.7	1
18	Ferromagnetism: Epitaxial Growth of Intermetallic MnPt Films on Oxides and Large Exchange Bias (Adv. Mater. 1/2016). Advanced Materials, 2016, 28, 204-204.	11.1	0