

Peng Xu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Wide bandgap BaSnO ₃ films with room temperature conductivity exceeding 10 ⁴ S cm ⁻¹ . Nature Communications, 2017, 8, 15167.	12.8	175
2	Adsorption-controlled growth and the influence of stoichiometry on electronic transport in hybrid molecular beam epitaxy-grown BaSnO ₃ films. Journal of Materials Chemistry C, 2017, 5, 5730-5736.	5.5	75
3	Structure and transport in high pressure oxygen sputter-deposited BaSnO ₃ . APL Materials, 2015, 3, 062509.	5.1	74
4	Predictive Control over Charge Density in the Two-Dimensional Electron Gas at the Polar-Nonpolar $\text{NdTiO}_3/\text{SrTiO}_3$ Interface. Physical Review Letters, 2016, 117, 106803.	7.8	44
5	Stoichiometry-driven metal-to-insulator transition in NdTiO ₃ /SrTiO ₃ heterostructures. Applied Physics Letters, 2014, 104, 082109.	3.3	40
6	Critical thickness and strain relaxation in molecular beam epitaxy-grown SrTiO ₃ films. Applied Physics Letters, 2013, 103, .	3.3	37
7	Quasi 2D Ultrahigh Carrier Density in a Complex Oxide Broken-Gap Heterojunction. Advanced Materials Interfaces, 2016, 3, 1500432.	3.7	32
8	A New Line Defect in NdTiO ₃ Perovskite. Nano Letters, 2016, 16, 6816-6822.	9.1	18
9	Defects, stoichiometry, and electronic transport in SrTiO ₃ epilayers: A high pressure oxygen sputter deposition study. Journal of Applied Physics, 2016, 120, .	2.5	17
10	Ferromagnetism and spin-dependent transport at a complex oxide interface. Physical Review Materials, 2018, 2, .	2.4	12
11	Disentangling spin-orbit coupling and local magnetism in a quasi-two-dimensional electron system. Physical Review B, 2019, 100, .	3.2	10
12	From weak antilocalization to Kondo scattering in a magnetic complex oxide interface. Physical Review B, 2021, 103, .	3.2	6
13	Large nanoscale electronic conductivity in complex oxide heterostructures with ultra high electron density. APL Materials, 2016, 4, 076107.	5.1	4
14	Interfaces and Defects in Hybrid Molecular Beam Epitaxy Grown NdTiO ₃ /SrTiO ₃ Heterostructures. Microscopy and Microanalysis, 2014, 20, 98-99.	0.4	0
15	Electronic Structure of New Line Defect in Strained NdTiO ₃ on SrTiO ₃ . Microscopy and Microanalysis, 2015, 21, 2073-2074.	0.4	0