

Jack Y Zhang

List of Publications by Year in descending order

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31
papers

1,350
citations

304602

22
h-index

477173

29
g-index

31
all docs

31
docs citations

31
times ranked

1891
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrostatic carrier doping of GdTiO ₃ /SrTiO ₃ interfaces. Applied Physics Letters, 2011, 99, .	1.5	214
2	High-mobility BaSnO ₃ grown by oxide molecular beam epitaxy. APL Materials, 2016, 4, .	2.2	181
3	Three-Dimensional Imaging of Individual Dopant Atoms in SrTiO_3 . Physical Review Letters, 2013, 111, 266101.	2.9	86
4	Structural origins of the properties of rare earth nickelate superlattices. Physical Review B, 2013, 87, .	1.1	64
5	Transport in ferromagnetic GdTiO ₃ /SrTiO ₃ heterostructures. Applied Physics Letters, 2011, 98, .	1.5	60
6	Nanoscale quantification of octahedral tilts in perovskite films. Applied Physics Letters, 2012, 100, .	1.5	59
7	Correlation between stoichiometry, strain, and metal-insulator transitions of NdNiO ₃ films. Applied Physics Letters, 2015, 106, .	1.5	58
8	Symmetry Lowering in Extreme-Electron-Density Perovskite Quantum Wells. Physical Review Letters, 2013, 110, 256401.	2.9	51
9	Growth window and effect of substrate symmetry in hybrid molecular beam epitaxy of a Mott insulating rare earth titanate. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2013, 31, .	0.9	48
10	Quantum critical behaviour in confined SrTiO ₃ quantum wells embedded in antiferromagnetic SmTiO ₃ . Nature Communications, 2014, 5, 4258.	5.8	48
11	Growth and properties of GdTiO ₃ films prepared by hybrid molecular beam epitaxy. Journal of Crystal Growth, 2012, 355, 166-170.	0.7	39
12	Correlation between metal-insulator transitions and structural distortions in high-electron-density SrTiO ₃ quantum wells. Physical Review B, 2014, 89, .	1.1	38
13	Temperature-dependence of the Hall coefficient of NdNiO ₃ thin films. Applied Physics Letters, 2013, 103, 182105.	1.5	33
14	Key role of lattice symmetry in the metal-insulator transition of NdNiO ₃ films. Scientific Reports, 2016, 6, 23652.	1.6	33
15	Probing the Metal-Insulator Transition in BaTiO_3 . Electrostatic Doping. Physical Review Letters, 2016, 117, 037602.	2.9	33
16	Carrier density independent scattering rate in SrTiO ₃ -based electron liquids. Scientific Reports, 2016, 6, 20865.	1.6	32
17	Gaps and pseudogaps in perovskite rare earth nickelates. APL Materials, 2015, 3, 062503.	2.2	30
18	Variable-angle high-angle annular dark-field imaging: application to three-dimensional dopant atom profiling. Scientific Reports, 2015, 5, 12419.	1.6	29

#	ARTICLE	IF	CITATIONS
19	Direct Observation of Sr Vacancies in SrTiO_3 Quantitative Scanning Transmission Electron Microscopy. Physical Review X, 2016, 6, .	2.8	26
20	High-density Two-Dimensional Small Polaron Gas in a Delta-Doped Mott Insulator. Scientific Reports, 2013, 3, 3284.	1.6	25
21	Al-doped $\text{HfO}_2/\text{In}_0.53\text{Ga}_0.47\text{As}$ metal-oxide-semiconductor capacitors. Applied Physics Letters, 2011, 98, 142901.	1.5	23
22	Extremely scaled high-k/ $\text{In}_0.53\text{Ga}_0.47\text{As}$ gate stacks with low leakage and low interface trap densities. Journal of Applied Physics, 2014, 116, 124104.	1.1	23
23	Magnetism and local structure in low-dimensional Mott insulating GdTiO_3 . Physical Review B, 2013, 88, .	1.1	22
24	Influence of plasma-based in-situ surface cleaning procedures on $\text{HfO}_2/\text{In}_0.53\text{Ga}_0.47\text{As}$ gate stack properties. Journal of Applied Physics, 2013, 114, 154108.	1.1	21
25	Scaled ZrO_2 dielectrics for $\text{In}_0.53\text{Ga}_0.47\text{As}$ gate stacks with low interface trap densities. Applied Physics Letters, 2014, 104, .	1.5	21
26	Two-dimensional electron liquid at the (111) $\text{SmTiO}_3/\text{SrTiO}_3$ interface. Applied Physics Letters, 2015, 106, .	1.5	20
27	Thin and hard ZrC/TiN multilayers grown by pulsed laser deposition. Surface and Coatings Technology, 2011, 205, 5493-5496.	2.2	15
28	Coalescence of InP Epitaxial Lateral Overgrowth by MOVPE with V/III Ratio Variation. Journal of Electronic Materials, 2012, 41, 845-852.	1.0	11
29	Wear resistance of ZrC/TiN and ZrC/ZrN thin multilayers grown by pulsed laser deposition. Applied Physics A: Materials Science and Processing, 2013, 110, 717-722.	1.1	7
30	Process dependence of $1/f$ noise and defects in ion implanted p-type piezoresistors. Journal of Applied Physics, 2012, 112, 033702.	1.1	0
31	Imaging Point Defects in Complex Oxides Using Quantitative STEM. Microscopy and Microanalysis, 2017, 23, 1568-1569.	0.2	0