

S James Allen

List of Publications by Year in descending order

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32
papers

1,631
citations

304743

22
h-index

454955

30
g-index

32
all docs

32
docs citations

32
times ranked

2285
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrostatic carrier doping of GdTiO ₃ /SrTiO ₃ interfaces. Applied Physics Letters, 2011, 99, .	3.3	214
2	Low-dimensional Mott material: Transport in ultrathin epitaxial LaNiO ₃ films. Applied Physics Letters, 2010, 96, .	3.3	189
3	Two-Dimensional Electron Gases at Complex Oxide Interfaces. Annual Review of Materials Research, 2014, 44, 151-171.	9.3	154
4	Dielectric Spectroscopy of Proteins as a Quantitative Experimental Test of Computational Models of Their Low-Frequency Harmonic Motions. Journal of the American Chemical Society, 2011, 133, 8942-8947.	13.7	96
5	High-precision gigahertz-to-terahertz spectroscopy of aqueous salt solutions as a probe of the femtosecond-to-picosecond dynamics of liquid water. Journal of Chemical Physics, 2015, 142, 164502.	3.0	94
6	Enhancing the electron mobility of SrTiO ₃ with strain. Applied Physics Letters, 2011, 98, .	3.3	77
7	Carrier-Controlled Ferromagnetism in SrTiO_3 . Physical Review X, 2012, 2, .	8.9	69
8	Toward an artificial Mott insulator: Correlations in confined high-density electron liquids in SrTiO ₃ . Physical Review B, 2012, 86, .	3.2	64
9	Transport in ferromagnetic GdTiO ₃ /SrTiO ₃ heterostructures. Applied Physics Letters, 2011, 98, .	3.3	60
10	Conductivity enhancement of ultrathin LaNiO ₃ films in superlattices. Applied Physics Letters, 2010, 97, .	3.3	59
11	A heterojunction modulation-doped Mott transistor. Journal of Applied Physics, 2011, 110, .	2.5	59
12	Conduction-band edge and Shubnikov-de Haas effect in low-electron-density SrTiO ₃ . Physical Review B, 2013, 88, .	3.2	57
13	Optical conductivity of LaNiO_3 . Coherent transport and correlation driven mass enhancement. Physical Review B, 2010, 82, .	3.2	54
14	Nonequilibrium ac Josephson Effect in Mesoscopic Nb-InAs-Nb Junctions. Physical Review Letters, 1999, 82, 1265-1268.	7.8	40
15	Probing the metal-insulator transition of NdNiO ₃ by electrostatic doping. Applied Physics Letters, 2011, 99, .	3.3	39
16	Growth and properties of GdTiO ₃ films prepared by hybrid molecular beam epitaxy. Journal of Crystal Growth, 2012, 355, 166-170.	1.5	39
17	Conduction band edge effective mass of La-doped BaSnO ₃ . Applied Physics Letters, 2016, 108, .	3.3	39
18	Novel Tunable Millimeter-Wave Grating-Gated Plasmonic Detectors. IEEE Journal of Selected Topics in Quantum Electronics, 2011, 17, 85-91.	2.9	34

#	ARTICLE	IF	CITATIONS
19	Quantum oscillations from a two-dimensional electron gas at a Mott/band insulator interface. Applied Physics Letters, 2012, 101, .	3.3	33
20	Gaps and pseudogaps in perovskite rare earth nickelates. APL Materials, 2015, 3, 062503.	5.1	30
21	High-density Two-Dimensional Small Polaron Gas in a Delta-Doped Mott Insulator. Scientific Reports, 2013, 3, 3284.	3.3	25
22	Small hole polarons in rare-earth titanates. Applied Physics Letters, 2015, 106, .	3.3	22
23	Non-Fermi liquids in oxide heterostructures. Reports on Progress in Physics, 2018, 81, 062502.	20.1	21
24	Seebeck coefficient of a quantum confined, high-electron-density electron gas in SrTiO ₃ . Applied Physics Letters, 2012, 100, 161601.	3.3	15
25	Giant Magnetoresistance of Self-Assembled ErAs Islands in GaAs. Materials Research Society Symposia Proceedings, 1997, 475, 251.	0.1	12
26	Subband structure of two-dimensional electron gases in SrTiO ₃ . Applied Physics Letters, 2013, 103, 212103.	3.3	10
27	Capacitance-voltage analysis of high-carrier-density SrTiO ₃ /GdTiO ₃ heterostructures. Applied Physics Letters, 2012, 100, 232106.	3.3	9
28	Magnetostatic Spin-Wave Modes in Ferromagnetic Tube. IEEE Transactions on Magnetics, 2009, 45, 4223-4225.	2.1	8
29	Applications of Free-Electron Lasers in the Biological and Material Sciences. Photochemistry and Photobiology, 2005, 81, 711-735.	2.5	5
30	Photoelectrochemical etching of high aspect ratio submillimeter waveguide filters from GaAs wafers. Applied Physics Letters, 1992, 61, 2890-2892.	3.3	4
31	Terahertz detection in a multi-gate high electron mobility transistor. , 2009, , .		0
32	Emergent Phenomena in Two-Dimensional Electron Gases at Oxide Interfaces. , 2013, , 49-49.		0