

S James Allen

List of Publications by Year in descending order

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32
papers

1,631
citations

346980

22
h-index

511568

30
g-index

32
all docs

32
docs citations

32
times ranked

2559
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-Fermi liquids in oxide heterostructures. Reports on Progress in Physics, 2018, 81, 062502.	8.1	21
2	Conduction band edge effective mass of La-doped BaSnO ₃ . Applied Physics Letters, 2016, 108, .	1.5	39
3	Gaps and pseudogaps in perovskite rare earth nickelates. APL Materials, 2015, 3, 062503.	2.2	30
4	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.	1.2	94
5	Small hole polarons in rare-earth titanates. Applied Physics Letters, 2015, 106, .	1.5	22
6	Two-Dimensional Electron Gases at Complex Oxide Interfaces. Annual Review of Materials Research, 2014, 44, 151-171.	4.3	154
7	Emergent Phenomena in Two-Dimensional Electron Gases at Oxide Interfaces. , 2013, , 49-49.		0
8	Subband structure of two-dimensional electron gases in SrTiO ₃ . Applied Physics Letters, 2013, 103, 212103.	1.5	10
9	Conduction-band edge and Shubnikov-de Haas effect in low-electron-density SrTiO ₃ . Physical Review B, 2013, 88, .	1.1	57
10	High-density Two-Dimensional Small Polaron Gas in a Delta-Doped Mott Insulator. Scientific Reports, 2013, 3, 3284.	1.6	25
11	Seebeck coefficient of a quantum confined, high-electron-density electron gas in SrTiO ₃ . Applied Physics Letters, 2012, 100, 161601.	1.5	15
12	Quantum oscillations from a two-dimensional electron gas at a Mott/band insulator interface. Applied Physics Letters, 2012, 101, .	1.5	33
13	Capacitance-voltage analysis of high-carrier-density SrTiO ₃ /GdTiO ₃ heterostructures. Applied Physics Letters, 2012, 100, 232106.	1.5	9
14	Toward an artificial Mott insulator: Correlations in confined high-density electron liquids in SrTiO ₃ . Physical Review B, 2012, 86, .	1.1	64
15	Carrier-Controlled Ferromagnetism in SrTiO ₃ . Physical Review X, 2012, 2, .	2.8	69
16	Growth and properties of GdTiO ₃ films prepared by hybrid molecular beam epitaxy. Journal of Crystal Growth, 2012, 355, 166-170.	0.7	39
17	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.	6.6	96
18	Electrostatic carrier doping of GdTiO ₃ /SrTiO ₃ interfaces. Applied Physics Letters, 2011, 99, .	1.5	214

#	ARTICLE	IF	CITATIONS
19	Transport in ferromagnetic GdTiO ₃ /SrTiO ₃ heterostructures. Applied Physics Letters, 2011, 98, .	1.5	60
20	A heterojunction modulation-doped Mott transistor. Journal of Applied Physics, 2011, 110, .	1.1	59
21	Novel Tunable Millimeter-Wave Grating-Gated Plasmonic Detectors. IEEE Journal of Selected Topics in Quantum Electronics, 2011, 17, 85-91.	1.9	34
22	Probing the metal-insulator transition of NdNiO ₃ by electrostatic doping. Applied Physics Letters, 2011, 99, .	1.5	39
23	Enhancing the electron mobility of SrTiO ₃ with strain. Applied Physics Letters, 2011, 98, .	1.5	77
24	Conductivity enhancement of ultrathin LaNiO ₃ films in superlattices. Applied Physics Letters, 2010, 97, .	1.5	59
25	Low-dimensional Mott material: Transport in ultrathin epitaxial LaNiO ₃ films. Applied Physics Letters, 2010, 96, .	1.5	189
26	Optical conductivity of LaNiO_3 thin films: Coherent transport and correlation driven mass enhancement. Physical Review B, 2010, 82, .	1.5	134
27	Terahertz detection in a multi-gate high electron mobility transistor. , 2009, , .		0
28	Magnetostatic Spin-Wave Modes in Ferromagnetic Tube. IEEE Transactions on Magnetics, 2009, 45, 4223-4225.	1.2	8
29	Applications of Free-Electron Lasers in the Biological and Material Sciences. Photochemistry and Photobiology, 2005, 81, 711-735.	1.3	5
30	Nonequilibrium ac Josephson Effect in Mesoscopic Nb-InAs-Nb Junctions. Physical Review Letters, 1999, 82, 1265-1268.	2.9	40
31	Giant Magnetoresistance of Self-Assembled ErAs Islands in GaAs. Materials Research Society Symposia Proceedings, 1997, 475, 251.	0.1	12
32	Photoelectrochemical etching of high aspect ratio submillimeter waveguide filters from GaAs wafers. Applied Physics Letters, 1992, 61, 2890-2892.	1.5	4