

Tim Droubay

List of Publications by Year in descending order

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51
papers

2,405
citations

236912

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197805

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Strain-Driven Mn-Reorganization in Overlithiated $\text{Li}_x\text{Mn}_2\text{O}_4$ Epitaxial Thin-Film Electrodes. ACS Applied Energy Materials, 2018, 1, 2526-2535.	5.1	18
2	Quasi 2D Ultrahigh Carrier Density in a Complex Oxide Broken-Gap Heterojunction. Advanced Materials Interfaces, 2016, 3, 1500432.	3.7	32
3	Strain-Dependence of the Structure and Ferroic Properties of Epitaxial NiTiO_3 Thin Films Grown on Different Substrates. Advances in Condensed Matter Physics, 2015, 2015, 1-9.	1.1	7
4	Dominance of Interface Chemistry over the Bulk Properties in Determining the Electronic Structure of Epitaxial Metal/Perovskite Oxide Heterojunctions. Chemistry of Materials, 2015, 27, 4093-4098.	6.7	4
5	Band-Gap Engineering at a Semiconductor-Crystalline Oxide Interface. Advanced Materials Interfaces, 2015, 2, 1400497.	3.7	31
6	Quantum efficiency enhancement in CsI/metal photocathodes. Chemical Physics Letters, 2015, 621, 155-159.	2.6	3
7	Strain-dependence of the structure and ferroic properties of epitaxial $\text{Ni}_{1-x}\text{Ti}_x\text{O}_3$ thin films grown on sapphire substrates. Thin Solid Films, 2015, 578, 113-123.	1.8	7
8	Work function reduction by BaO: Growth of crystalline barium oxide on Ag(001) and Ag(111) surfaces. Surface Science, 2015, 632, 201-206.	1.9	27
9	Hysteresis in single and polycrystalline iron thin films: Major and minor loops, first order reversal curves, and Preisach modeling. Journal of Magnetism and Magnetic Materials, 2015, 395, 361-375.	2.3	57
10	Epitaxial single-crystal thin films of MnTiO_2 grown on (rutile) TiO_2 substrates with pulsed laser deposition: Experiment and theory. Surface Science, 2015, 632, 185-194.	1.9	8
11	Self-corrected sensors based on atomic absorption spectroscopy for atom flux measurements in molecular beam epitaxy. Applied Physics Letters, 2014, 104, .	3.3	10
12	Thermal stability of MnBi magnetic materials. Journal of Physics Condensed Matter, 2014, 26, 064212.	1.8	68
13	Metal-Insulator Photocathode Heterojunction for Directed Electron Emission. Physical Review Letters, 2014, 112, 067601.	7.8	12
14	Enhanced quantum efficiency from hybrid cesium halide/copper photocathodes. Applied Physics Letters, 2014, 104, .	3.3	7
15	Shell Model for Atomistic Simulation of Lithium Diffusion in Mixed Mn/Ti Oxides. Journal of Physical Chemistry C, 2014, 118, 24231-24239.	3.1	11
16	Band offsets for mismatched interfaces: The special case of ZnO on CdTe (001). Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2013, 31, 061102.	2.1	4
17	The impact of crystal symmetry on the electronic structure and functional properties of complex lanthanum chromium oxides. Journal of Materials Chemistry C, 2013, 1, 4527.	5.5	42
18	Comparison of CsBr and KBr covered Cu photocathodes: Effects of laser irradiation and work function changes. Applied Physics Letters, 2013, 102, .	3.3	23

#	ARTICLE	IF	CITATIONS
19	Ion irradiation of Fe-Fe oxide core-shell nanocluster films: Effect of interface on stability of magnetic properties. Journal of Applied Physics, 2013, 114, .	2.5	13
20	Optical/electrical correlations in ZnO: The plasmonic resonance phase diagram. Physica Status Solidi (B): Basic Research, 2013, 250, 2118-2121.	1.5	3
21	Coexistence of weak ferromagnetism and polar lattice distortion in epitaxial NiTiO ₃ thin films of the LiNbO ₃ -type structure. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2013, 31, 030603.	1.2	17
22	Variation in band offsets at ZnO/Sn:In ₂ O ₃ heterojunctions measured by x-ray photoelectron spectroscopy. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2012, 30, 04D112.	2.1	3
23	Unintentional F doping of SrTiO ₃ (001) etched in HF acid-structure and electronic properties. Surface Science, 2012, 606, 554-558.	1.9	54
24	Manganese Doping of Magnetic Iron Oxide Nanoparticles: Tailoring Surface Reactivity for a Regenerable Heavy Metal Sorbent. Langmuir, 2012, 28, 3931-3937.	3.5	115
25	Stable highly conductive ZnO via reduction of Zn vacancies. Applied Physics Letters, 2012, 101, .	3.3	54
26	Epitaxial growth of NiTiO ₃ with a distorted ilmenite structure. Thin Solid Films, 2012, 520, 5534-5541.	1.8	24
27	LaCrO ₃ heteroepitaxy on SrTiO ₃ (001) by molecular beam epitaxy. Applied Physics Letters, 2011, 99, 061904.	3.3	32
28	Ga-doped ZnO grown by pulsed laser deposition in H ₂ : The roles of Ga and H. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2011, 29, 03A102.	2.1	11
29	Band Alignment, Built-in Potential, and the Absence of Conductivity at the $\text{LaCrO}_3 / \text{SrTiO}_3$ Epitaxial Fe $\text{TiO}_2 / \text{SrTiO}_3$ 0.784314 rgBT /Overlock 10 Tf 50 327 Td (stretchy="false")	2.8	15
30	$\text{TiO}_2 / \text{SrTiO}_3$ $\text{TiO}_2 / \text{SrTiO}_3$	3.2	15
31	Cation mixing, band offsets and electric fields at LaAlO ₃ /SrTiO ₃ (001) heterojunctions with variable La:Al atom ratio. Surface Science, 2011, 605, 1381-1387.	1.9	74
32			

#	ARTICLE	IF	CITATIONS
37	Thermodynamic instability at the stoichiometric $\text{LaAlO}_3/\text{SrTiO}_3$ (001) interface. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 312201.	1.8	77
38	High-Performance, Superparamagnetic, Nanoparticle-Based Heavy Metal Sorbents for Removal of Contaminants from Natural Waters. <i>ChemSusChem</i> , 2010, 3, 749-757.	6.8	117
39	Atomic oxygen flux determined by mixed-phase $\text{Ag}/\text{Ag}_2\text{O}$ deposition. <i>Thin Solid Films</i> , 2010, 519, 635-640.	1.8	16
40	Instability, intermixing and electronic structure at the epitaxial $\text{LaAlO}_3/\text{SrTiO}_3$ interface. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 312201.		