

Carolina Adamo

List of Publications by Year in descending order

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26
papers

1,432
citations

471061

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610482

24
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28
all docs

28
docs citations

28
times ranked

2535
citing authors

#	ARTICLE	IF	CITATIONS
1	Subpicosecond Optical Stress Generation in Multiferroic BiFeO ₃ . Nano Letters, 2022, 22, 4294-4300.	4.5	4
2	Optical transient grating pumped X-ray diffraction microscopy for studying mesoscale structural dynamics. Scientific Reports, 2021, 11, 19322.	1.6	3
3	Observation of Strong Polarization Enhancement in Ferroelectric Tunnel Junctions. Nano Letters, 2019, 19, 6812-6818.	4.5	18
4	Non-thermal fluence threshold for femtosecond pulsed x-ray radiation damage in perovskite complex oxide epitaxial heterostructures. Applied Physics Letters, 2019, 115, .	1.5	5
5	Defect-Induced Hedgehog Polarization States in Multiferroics. Physical Review Letters, 2018, 120, 137602.	2.9	52
6	Tailoring manganese oxide with atomic precision to increase surface site availability for oxygen reduction catalysis. Nature Communications, 2018, 9, 4034.	5.8	41
7	Nanoscale excitonic photovoltaic mechanism in ferroelectric BiFeO ₃ thin films. APL Materials, 2018, 6, .	2.2	12
8	Interaction between Ferroelectric Polarization and Defects in BiFeO ₃ Thin Films. Microscopy and Microanalysis, 2017, 23, 1604-1605.	0.2	0
9	Exploiting kinetics and thermodynamics to grow phase-pure complex oxides by molecular-beam epitaxy under continuous codeposition. Physical Review Materials, 2017, 1, .	0.9	20
10	Giant Resistive Switching via Control of Ferroelectric Charged Domain Walls. Advanced Materials, 2016, 28, 6574-6580.	11.1	83
11	Electron Doping of the Parent Cuprate $\text{La}_{1-x}\text{Ca}_x\text{CuO}_2$ Cation Substitution. Physical Review Letters, 2016, 117, 147002.	2.9	89
12	Manipulating superconductivity in ruthenates through Fermi surface engineering. Physical Review B, 2016, 94, .	1.1	26
13	Switching the curl of polarization vectors by an irrotational electric field. Physical Review B, 2016, 94, .	1.1	19
14	Epitaxial integration of a nanoscale BiFeO ₃ phase boundary with silicon. Nanoscale, 2016, 8, 1322-1326.	2.8	8
15	Giant optical enhancement of strain gradient in ferroelectric BiFeO ₃ thin films and its physical origin. Scientific Reports, 2015, 5, 16650.	1.6	33
16	Capturing ultrafast photoinduced local structural distortions of BiFeO ₃ . Scientific Reports, 2015, 5, 15098.	1.6	21
17	Spatially confined low-power optically pumped ultrafast synchrotron x-ray nanodiffraction. Review of Scientific Instruments, 2015, 86, 083904.	0.6	6
18	Localized Excited Charge Carriers Generate Ultrafast Inhomogeneous Strain in the Multiferroic BiFeO_3 . Physical Review Letters, 2014, 112, 097602.	2.9	89

#	ARTICLE	IF	CITATIONS
19	Optical properties of SrTiO ₃ on silicon(100). Applied Physics Letters, 2013, 102, .	1.5	9
20	Atomic Scale Structure Changes Induced by Charged Domain Walls in Ferroelectric Materials. Nano Letters, 2013, 13, 5218-5223.	4.5	59
21	Effects of coherent ferroelastic domain walls on the thermal conductivity and Kapitza conductance in bismuth ferrite. Applied Physics Letters, 2013, 102, .	1.5	53
22	Ultrafast Photostriction in Thin Film Bismuth Ferrite and its Correlation to Electronic Dynamics. Materials Research Society Symposia Proceedings, 2013, 1528, 1.	0.1	0
23	Untilting BiFeO ₃ : The influence of substrate boundary conditions in ultra-thin BiFeO ₃ on SrTiO ₃ . APL Materials, 2013, 1, .	2.2	18
24	Quantum many-body interactions in digital oxide superlattices. Nature Materials, 2012, 11, 855-859.	13.3	92
25	Spontaneous Vortex Nanodomain Arrays at Ferroelectric Heterointerfaces. Nano Letters, 2011, 11, 828-834.	4.5	419
26	Domain Dynamics During Ferroelectric Switching. Science, 2011, 334, 968-971.	6.0	320