

Edoardo Baldini

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

863
citations

567281

15
h-index

642732

23
g-index

25
all docs

25
docs citations

25
times ranked

1694
citing authors

#	ARTICLE	IF	CITATIONS
1	Terahertz field-induced ferroelectricity in quantum paraelectric SrTiO ₃ . Science, 2019, 364, 1079-1082.	12.6	282
2	Evidence for topological defects in a photoinduced phase transition. Nature Physics, 2019, 15, 27-31.	16.7	128
3	Filming the formation and fluctuation of skyrmion domains by cryo-Lorentz transmission electron microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14212-14217.	7.1	68
4	Exciton-driven antiferromagnetic metal in a correlated van der Waals insulator. Nature Communications, 2021, 12, 4837.	12.8	39
5	Clocking the Ultrafast Electron Cooling in Anatase Titanium Dioxide Nanoparticles. ACS Photonics, 2018, 5, 1241-1249.	6.6	33
6	High resolution time- and angle-resolved photoemission spectroscopy with 11 eV laser pulses. Review of Scientific Instruments, 2020, 91, 043102.	1.3	32
7	Mahan excitons in room-temperature methylammonium lead bromide perovskites. Nature Communications, 2020, 11, 850.	12.8	31
8	Phonon-Driven Selective Modulation of Exciton Oscillator Strengths in Anatase TiO ₂ Nanoparticles. Nano Letters, 2018, 18, 5007-5014.	9.1	29
9	Exciton control in a room temperature bulk semiconductor with coherent strain pulses. Science Advances, 2019, 5, eaax2937.	10.3	28
10	Interfacial Electron Injection Probed by a Substrate-Specific Excitonic Signature. Journal of the American Chemical Society, 2017, 139, 11584-11589.	13.7	27
11	Discovery of the soft electronic modes of the trimeron order in magnetite. Nature Physics, 2020, 16, 541-545.	16.7	26
12	Electron-phonon-driven three-dimensional metallicity in an insulating cuprate. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 6409-6416.	7.1	18
13	Probing the coupling between a doublon excitation and the charge-density wave in TaS ₂ ultrafast optical spectroscopy. Physical Review B, 2016, 94, .	3.2	17
14	Probing the electron-phonon interaction in correlated systems with coherent lattice fluctuation spectroscopy. Physical Review B, 2015, 92, .	3.2	16
15	Magnetic field-dependent low-energy magnon dynamics in RuCl ₃ . Physical Review B, 2019, 100, .	3.2	15
16	Room Temperature Terahertz Electroabsorption Modulation by Excitons in Monolayer Transition Metal Dichalcogenides. Nano Letters, 2020, 20, 5214-5220.	9.1	14
17	Clocking the onset of bilayer coherence in a high- T_c cuprate. Physical Review B, 2017, 95, .	12	13
18	A versatile setup for ultrafast broadband optical spectroscopy of coherent collective modes in strongly correlated quantum systems. Structural Dynamics, 2016, 3, 064301.	2.3	11

#	ARTICLE	IF	CITATIONS
19	Lattice-mediated magnetic order melting in TbMnO_3 . Physical Review B, 2018, 97, .	3.2	11
20	Anomalous anisotropic exciton temperature dependence in rutile TiO_2 . Physical Review B, 2017, 96, .	3.2	8
21	Giant Exciton Mott Density in Anatase TiO_2 . Physical Review Letters, 2020, 125, 116403.	3.2	8
22	Trimeron-phonon coupling in magnetite. Physical Review B, 2021, 103, .	3.2	8
23	Investigating Skyrmions Using Lorentz Transmission Electron Microscopy. Microscopy and Microanalysis, 2018, 24, 932-933.	0.4	1
24	10.1063/1.5139556.1. , 2020, , .		0
25	Terahertz Field-Induced Reemergence of Quenched Photoluminescence in Quantum Dots. Nano Letters, 2022, , .	9.1	0