

# Alessandra Lanzara

## List of Publications by Year in descending order

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43  
papers

1,537  
citations

489802

18  
h-index

340414

39  
g-index

46  
all docs

46  
docs citations

46  
times ranked

2588  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for a delocalization quantum phase transition without symmetry breaking in CeCoIn <sub>5</sub> . Science, 2022, 375, 76-81.	6.0	21
2	Correlation-driven electron-hole asymmetry in graphene field effect devices. Npj Quantum Materials, 2022, 7, .	1.8	6
3	Evidence of nested quasi-one-dimensional Fermi surface and decoupled charge-lattice orders in layered $\text{TaTe}_2$ . Physical Review Research, 2022, 4, .	1.3	6
4	Mapping the dispersion of the occupied and unoccupied band structure in photoexcited 1T-TiSe <sub>2</sub> . Journal of Physics and Chemistry of Solids, 2022, 168, 110740.	1.9	4
5	Evidence for a Magnetic-Field-Induced Ideal Type-II Weyl State in Antiferromagnetic Topological Insulator $\text{MnBi}_2\text{Te}_4$ . Physical Review Letters, 2022, 128, 087201.	2.8	30
6	Visualizing electron localization of WS <sub>2</sub> /WSe <sub>2</sub> moiré superlattices in momentum space. Science Advances, 2021, 7, eabf4387.	4.7	24
7	Evidence for a delocalization quantum phase transition without symmetry breaking in CeCoIn <sub>5</sub> . Science, 2021, , eaaz4566.	6.0	0
8	PyARPES: An analysis framework for multimodal angle-resolved photoemission spectroscopies. SoftwareX, 2020, 11, 100472.	1.2	11
9	Competition between magnetic order and charge localization in $\text{Na}_2\text{Co}_2\text{P}_2\text{O}_{14}$ thin crystal devices. Physical Review B, 2020, 101, .	1.1	1
10	Manipulating long-lived topological surface photovoltage in bulk-insulating topological insulators Bi <sub>2</sub> Se <sub>3</sub> and Bi <sub>2</sub> Te <sub>3</sub> . Npj Quantum Materials, 2020, 5, .	1.8	18
11	Spatial nematic fluctuation in $\text{BaFe}_2\text{As}_2$ revealed by spatially and angle-resolved. Physical Review B, 2020, 101, .	1.1	1
12	Efficient prediction of time- and angle-resolved photoemission spectroscopy measurements on a nonequilibrium BCS superconductor. Physical Review B, 2019, 99, .	1.1	6
13	A setup for extreme-ultraviolet ultrafast angle-resolved photoelectron spectroscopy at 50-kHz repetition rate. Review of Scientific Instruments, 2019, 90, 023105.	0.6	48
14	Controlling a Van Hove singularity and Fermi surface topology at a complex oxide heterostructure interface. Nature Communications, 2019, 10, 5534.	5.8	10
15	Interplay of superconductivity and bosonic coupling in the peak-dip-hump structure of $\text{Bi}_2\text{Te}_3$ . Physical Review B, 2018, 97, .	1.1	1
16	Doping-dependent correlation effects in $\text{Bi}_2\text{Te}_3$ . Physical Review B, 2018, 97, .	1.1	1
17	Revealing hidden spin-momentum locking in a high-temperature cuprate superconductor. Science, 2018, 362, 1271-1275.	6.0	82
18	Emergence of Kondo Resonance in Graphene Intercalated with Cerium. Nano Letters, 2018, 18, 3661-3666.	4.5	14

#	ARTICLE	IF	CITATIONS
19	Particle-Hole Asymmetry in the Cuprate Pseudogap Measured with Time-Resolved Spectroscopy. <i>Physical Review Letters</i> , 2017, 118, 097001.	2.9	15
20	Molecular Arrangement and Charge Transfer in C <sub>60</sub> /Graphene Heterostructures. <i>ACS Nano</i> , 2017, 11, 4686-4693.	7.3	60
21	Temperature-Dependent Electron- $\pi$ Electron Interaction in Graphene on SrTiO <sub>3</sub> . <i>Nano Letters</i> , 2017, 17, 5914-5918.	4.5	17
22	Hole doping, hybridization gaps, and electronic correlation in graphene on a platinum substrate. <i>Nanoscale</i> , 2017, 9, 11498-11503.	2.8	8
23	Symmetry rules shaping spin-orbital textures in surface states. <i>Physical Review B</i> , 2017, 95, .	1.1	9
24	Spectral weight suppression near a metal-insulator transition in a double-layer electron-doped iridate. <i>Physical Review B</i> , 2017, 95, .	1.1	5
25	Ultrafast angle-resolved photoemission spectroscopy of quantum materials. <i>Europhysics Letters</i> , 2016, 115, 27001.	0.7	70
26	Nonequilibrium electron dynamics in a solid with a changing nodal excitation gap. <i>Physical Review B</i> , 2016, 93, .	1.1	9
27	Spin-polarized surface resonances accompanying topological surface state formation. <i>Nature Communications</i> , 2016, 7, 13143.	5.8	71
28	Stimulated emission of Cooper pairs in a high-temperature cuprate superconductor. <i>Scientific Reports</i> , 2016, 6, 29100.	1.6	8
29	Photoinduced changes of the chemical potential in superconducting $\text{Bi}_2\text{O}_8\text{I}$ . <i>Physical Review B</i> , 2015, 92, .	1.1	8
30	Influence of optically quenched superconductivity on quasiparticle relaxation rates in $\text{Bi}_2\text{O}_8\text{I}$ . <i>Physical Review B</i> , 2015, 92, .	1.1	8
31	Resolving unoccupied electronic states with laser ARPES in bismuth-based cuprate superconductors. <i>Physical Review B</i> , 2015, 91, .	1.1	9
32	Ultrafast quenching of electron- $\pi$ boson interaction and superconducting gap in a cuprate superconductor. <i>Nature Communications</i> , 2014, 5, 4959.	5.8	50
33	Time- and momentum-resolved gap dynamics in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{10}$ . <i>Physical Review B</i> , 2014, 89, .	1.1	8
34	Photoelectron spin-flipping and texture manipulation in a topological insulator. <i>Nature Physics</i> , 2013, 9, 293-298.	6.5	176
35	Charge-Carrier Screening in Single-Layer Graphene. <i>Physical Review Letters</i> , 2013, 110, 146802.	2.9	58
36	Signatures of superconductivity and pseudogap formation in nonequilibrium nodal quasiparticles revealed by ultrafast angle-resolved photoemission. <i>Physical Review B</i> , 2013, 88, .	1.1	32

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37	Electron-phonon coupling and intrinsic bandgap in highly-screened graphene. <i>New Journal of Physics</i> , 2012, 14, 095006.	1.2	40
38	An ultrafast angle-resolved photoemission apparatus for measuring complex materials. <i>Review of Scientific Instruments</i> , 2012, 83, 123904.	0.6	48
39	A New Spin on ARPES. <i>Synchrotron Radiation News</i> , 2012, 25, 32-38.	0.2	4
40	Tracking Cooper Pairs in a Cuprate Superconductor by Ultrafast Angle-Resolved Photoemission. <i>Science</i> , 2012, 336, 1137-1139.	6.0	171
41	Direct measurement of quantum phases in graphene via photoemission spectroscopy. <i>Physical Review B</i> , 2011, 84, .	1.1	91
42	Many-body interactions in quasi-freestanding graphene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 11365-11369.	3.3	200
43	MERLIN – A meV Resolution Beamline at the ALS. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	7