

Chris Jozwiak

List of Publications by Year in descending order

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99
papers

4,713
citations

117453

34
h-index

102304

66
g-index

104
all docs

104
docs citations

104
times ranked

6061
citing authors

#	ARTICLE	IF	CITATIONS
1	Massive Dirac fermions in a ferromagnetic kagome metal. <i>Nature</i> , 2018, 555, 638-642.	13.7	544
2	Dirac fermions and flat bands in the ideal kagome metal FeSn. <i>Nature Materials</i> , 2020, 19, 163-169.	13.3	367
3	Topological flat bands in frustrated kagome lattice CoSn. <i>Nature Communications</i> , 2020, 11, 4004.	5.8	203
4	Universal High Energy Anomaly in the Angle-Resolved Photoemission Spectra of High Temperature Superconductors: Possible Evidence of Spinon and Holon Branches. <i>Physical Review Letters</i> , 2007, 98, 067004.	2.9	177
5	Photoelectron spin-flipping and texture manipulation in a topological insulator. <i>Nature Physics</i> , 2013, 9, 293-298.	6.5	176
6	Twofold van Hove singularity and origin of charge order in topological kagome superconductor CsV ₃ Sb ₅ . <i>Nature Physics</i> , 2022, 18, 301-308.	6.5	176
7	Tracking Cooper Pairs in a Cuprate Superconductor by Ultrafast Angle-Resolved Photoemission. <i>Science</i> , 2012, 336, 1137-1139.	6.0	171
8	Emergence of a Metal-Insulator Transition and High-Temperature Charge-Density Waves in VSe ₂ at the Monolayer Limit. <i>Nano Letters</i> , 2018, 18, 5432-5438.	4.5	170
9	Universal Mechanism of Band-Gap Engineering in Transition-Metal Dichalcogenides. <i>Nano Letters</i> , 2017, 17, 1610-1615.	4.5	157
10	Surface states and Rashba-type spin polarization in antiferromagnetic $\text{MnBi}_{1-x}\text{Sb}_x$ (0001). <i>Physical Review B</i> , 2019, 100, .	4.5	152
11	Nodal quasiparticle meltdown in ultrahigh-resolution pump-probe angle-resolved photoemission. <i>Nature Physics</i> , 2011, 7, 805-809.	6.5	114
12	Atomically thin half-van der Waals metals enabled by confinement heteroepitaxy. <i>Nature Materials</i> , 2020, 19, 637-643.	13.3	114
13	Widespread spin polarization effects in photoemission from topological insulators. <i>Physical Review B</i> , 2011, 84, .	1.1	111
14	Visualization of the flat electronic band in twisted bilayer graphene near the magic angle twist. <i>Nature Physics</i> , 2021, 17, 184-188.	6.5	93
15	Giant spin-splitting and gap renormalization driven by trions in single-layer WS ₂ /h-BN heterostructures. <i>Nature Physics</i> , 2018, 14, 355-359.	6.5	83
16	Revealing hidden spin-momentum locking in a high-temperature cuprate superconductor. <i>Science</i> , 2018, 362, 1271-1275.	6.0	82
17	Bond Stretching Phonon Softening and Kinks in the Angle-Resolved Photoemission Spectra of Optimally Doped Bi_2Se_3 . <i>Physical Review Letters</i> , 2008, 100, 227002.	7.2	72
18	Spin-polarized surface resonances accompanying topological surface state formation. <i>Nature Communications</i> , 2016, 7, 13143.	5.8	71

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19	Hallmarks of Hunds coupling in the Mott insulator Ca ₂ RuO ₄ . Nature Communications, 2017, 8, 15176.	5.8	66
20	Rigid Band Shifts in Two-Dimensional Semiconductors through External Dielectric Screening. Physical Review Letters, 2019, 123, 206403.	2.9	65
21	Effects of Defects on Band Structure and Excitons in WS ₂ Revealed by Nanoscale Photoemission Spectroscopy. ACS Nano, 2019, 13, 1284-1291.	7.3	64
22	A high-efficiency spin-resolved photoemission spectrometer combining time-of-flight spectroscopy with exchange-scattering polarimetry. Review of Scientific Instruments, 2010, 81, 053904.	0.6	63
23	Evidence for Weyl fermions in a canonical heavy-fermion semimetal YbPtBi. Nature Communications, 2018, 9, 4622.	5.8	62
24	Vacuum space charge effect in laser-based solid-state photoemission spectroscopy. Journal of Applied Physics, 2010, 107, .	1.1	57
25	Black phosphorus as a bipolar pseudospin semiconductor. Nature Materials, 2020, 19, 277-281.	13.3	55
26	Ultrafast quenching of electron-phonon interaction and superconducting gap in a cuprate superconductor. Nature Communications, 2014, 5, 4959.	5.8	50
27	Nature and topology of the low-energy states in ZrTe ₅ . Physical Review B, 2016, 94, .	1.1	50
28	An ultrafast angle-resolved photoemission apparatus for measuring complex materials. Review of Scientific Instruments, 2012, 83, 123904.	0.6	48
29	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
30	Radial Spin Texture of the Weyl Fermions in Chiral Tellurium. Physical Review Letters, 2020, 125, 216402.	2.9	47
31	Time- and momentum-resolved gap dynamics in Bi ₂ Sr ₂ CaCu ₂ O ₁₀ . Physical Review B, 2014, 89, 080501.	1.1	45
32	Multimodal spectromicroscopy of monolayer WS ₂ enabled by ultra-clean van der Waals epitaxy. 2D Materials, 2018, 5, 045010.	2.0	40
33	NaSn ₂ As ₂ : An Exfoliable Layered van der Waals Zintl Phase. ACS Nano, 2016, 10, 9500-9508.	7.3	39
34	Direct observation of minibands in a twisted graphene/WS ₂ bilayer. Science Advances, 2020, 6, eaay6104.	4.7	39
35	Nano focusing of soft X-rays by a new capillary mirror optic. Synchrotron Radiation News, 2018, 31, 50-52.	0.2	34
36	Signatures of superconductivity and pseudogap formation in nonequilibrium nodal quasiparticles revealed by ultrafast angle-resolved photoemission. Physical Review B, 2013, 88, .	1.1	32

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37	Mapping the spin-dependent electron reflectivity of Fe and Co ferromagnetic thin films. Physical Review B, 2005, 71, .	1.1	31
38	Spatially Resolved Electronic Properties of Single-Layer WS ₂ on Transition Metal Oxides. ACS Nano, 2016, 10, 10058-10067.	7.3	31
39	Angle-resolved photoemission spectroscopy. Nature Reviews Methods Primers, 2022, 2, .	11.8	29
40	The graphene/n-Ge(110) interface: structure, doping, and electronic properties. Nanoscale, 2018, 10, 6088-6098.	2.8	28
41	Synthesis, Magnetic Properties, and Electronic Structure of Magnetic Topological Insulator MnBi ₂ Se ₄ . Nano Letters, 2021, 21, 5083-5090.	4.5	28
42	Observation of Topological Electronic Structure in Quasi-1D Superconductor TaSe ₃ . Matter, 2020, 3, 2055-2065.	5.0	26
43	Dirac nodal lines and flat-band surface state in the functional oxide $\text{RuO}_2\text{Mn}_2\text{O}_9$. Physical Review B, 2018, 98, .		
44	Visualizing electron localization of WS ₂ /WSe ₂ moiré superlattices in momentum space. Science Advances, 2021, 7, eabf4387.	4.7	24
45	Dirac nodal lines protected against spin-orbit interaction in $\text{IrO}_2\text{Mn}_2\text{O}_9$. Physical Review Materials, 2019, 3, .		
46	Orbital Fingerprint of Topological Fermi Arcs in the Weyl Semimetal TaP. Physical Review Letters, 2019, 122, 116402.	2.9	22
47	Rapid high-resolution spin- and angle-resolved photoemission spectroscopy with pulsed laser source and time-of-flight spectrometer. Review of Scientific Instruments, 2013, 84, 093904.	0.6	21
48	Visualizing Orbital Content of Electronic Bands in Anisotropic 2D Semiconducting ReSe ₂ . ACS Nano, 2020, 14, 7880-7891.	7.3	19
49	Electronic structure of exfoliated and epitaxial hexagonal boron nitride. Physical Review Materials, 2018, 2, .	0.9	19
50	Influence of optically quenched superconductivity on quasiparticle relaxation rates in $\text{Bi}_2\text{O}_8\text{Mn}^+\text{I}^-$. Physical Review B, 2015, 92, .	1.1	18
51	How Indium Nitride Senses Water. Nano Letters, 2017, 17, 7339-7344.	4.5	18
52	High spatial and temporal resolution photon/electron counting detector for synchrotron radiation research. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 580, 853-857.	0.7	17
53	The Itinerant 2D Electron Gas of the Indium Oxide (111) Surface: Implications for Carbon- and Energy-Conversion Applications. Small, 2020, 16, e1903321.	5.2	17
54	Electronic structure and charge-density wave transition in monolayer VS ₂ . Current Applied Physics, 2021, 30, 8-13.	1.1	16

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55	Extremely large magnetoresistance from electron-hole compensation in the nodal-loop semimetal ZrP_2 Physical Review B, 2021, 103, . . .	1.1	16
56	Core-level and valence-band study using angle-integrated photoemission on $\text{LaFeAsO}_{0.9}$ Physical Review B, 2008, 78, . . .	1.1	15
57	Robust Kagome electronic structure in the topological quantum magnets XMn Physical Review B, 2018, 98, . . .		

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73	Strong interlayer interactions in bilayer and trilayer moiré superlattices. Science Advances, 2022, 8, eabk1911.	4.7	9
74	Visualizing band structure hybridization and superlattice effects in twisted MoS ₂ /WS ₂ heterobilayers. 2D Materials, 2022, 9, 015032.	2.0	9
75	Spectromicroscopic measurement of surface and bulk band structure interplay in a disordered topological insulator. Nature Physics, 2020, 16, 285-289.	6.5	8
76	Observation of topological Dirac fermions and surface states in superconducting $\text{Sm}^{\text{Bi}}\text{S}$. Physical Review B, 2021, 103, .	5.1	8
77	Pseudogap in a crystalline insulator doped by disordered metals. Nature, 2021, 596, 68-73.	13.7	8
78	Momentum for Catalysis: How Surface Reactions Shape the RuO ₂ Flat Surface State. ACS Catalysis, 2021, 11, 1749-1757.	5.5	8
79	MERLIN – A meV Resolution Beamline at the ALS. AIP Conference Proceedings, 2007, , .	0.3	7
80	Bilayer splitting and c-axis coupling in bilayer manganites showing colossal magnetoresistance. Physical Review B, 2009, 80, .	1.1	7
81	Evidence for absence of metallic surface states in BiO ₂ -terminated BaBiO ₃ thin films. Current Applied Physics, 2018, 18, 658-662.	1.1	7
82	Pnictogens Allotropy and Phase Transformation during van der Waals Growth. Nano Letters, 2020, 20, 8258-8266.	4.5	7
83	Hidden bulk and surface effects in the spin polarization of the nodal-line semimetal ZrSiTe. Communications Physics, 2021, 4, .	2.0	7
84	K-means-driven Gaussian Process data collection for angle-resolved photoemission spectroscopy. Machine Learning: Science and Technology, 2020, 1, 045015.	2.4	7
85	Tunable electronic structure in gallium chalcogenide van der Waals compounds. Physical Review B, 2019, 100, .	1.1	6
86	Switching of the electron-phonon interaction in $\text{1T}'\text{TaTe}_2$ assisted by hot carriers. Physical Review B, 2021, 103, .	4.1	6
87	Spatiotemporal Imaging of Thickness-Induced Band-Bending Junctions. Nano Letters, 2021, 21, 5745-5753.	4.5	6
88	Correlation-driven electron-hole asymmetry in graphene field effect devices. Npj Quantum Materials, 2022, 7, .	1.8	6
89	Controlling Spin-Orbit Coupling to Tailor Type-II Dirac Bands. ACS Nano, 2022, 16, 11227-11233.	7.3	6
90	Volatile two-dimensional electron gas in ultrathin BaTiO_3 films. Physical Review Materials, 2018, 2, .	1.5	6

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91	A New Spin on ARPES. Synchrotron Radiation News, 2012, 25, 32-38.	0.2	4
92	Topological surface states above the Fermi level in Hf ₂ Te ₂ P. Physical Review B, 2019, 100, .	1.1	4
93	Direct visualization and control of SrO _x segregation on semiconducting Nb doped SrTiO ₃ (100) surface. Journal of the Korean Physical Society, 2022, 80, 1042-1047.	0.3	4
94	TOF electron energy analyzer for spin and angular resolved photoemission spectroscopy. Physics Procedia, 2008, 1, 413-423.	1.2	3
95	Electronic Phase Separation and Dramatic Inverse Band Renormalization in the Mixed-Valence Cuprate LiCu_2O . Physical Review Letters, 2017, 118, 176404.	2.9	1
96	Spatial nematic fluctuation in BaFe_2As_2 revealed by spatially and angle-resolved. Physical Review B, 2020, 101, .	1.1	8
97	Crossover region between nodal and antinodal states at the Fermi level of optimally doped and overdoped $\text{Bi}_2\text{Sr}_{1.6}\text{Nd}_{0.4}\text{CuO}_6+\text{F}$. Physical Review B, 2010, 81, .	1.1	1
98	Polarization control at the microscopic and electronic structure observatory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 914, 156-164.	0.7	0
99	A setup for extreme-ultraviolet ultrafast angle-resolved photoemission spectroscopy at 50-kHz repetition rate. , 2016, , .		0