Chris Jozwiak

List of Publications by Year
in descending order

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99	4,713	117453	102304
papers	citations	34 h-index	66 g-index

104	104	104	6061
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Twofold van Hove singularity and origin of charge order in topological kagome superconductor CsV3Sb5. Nature Physics, 2022, 18, 301-308.	6.5	176
2	Correlation-driven electron-hole asymmetry in graphene field effect devices. Npj Quantum Materials, 2022, 7, .	1.8	6
3	Strong interlayer interactions in bilayer and trilayer moirÃ© superlattices. Science Advances, 2022, 8, eabk1911.	4.7	9
4	Robust kagome electronic structure in the topological quantum magnets <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>X</mml:mi><mml:msub><mml:mi>Mn</mml:mi><mml:mi><mml:m <mml:math		

#	Article	IF	Citations
19	Pseudogap in a crystalline insulator doped by disordered metals. Nature, 2021, 596, 68-73.	13.7	8
20	Visualizing electron localization of WS ₂ /WSe ₂ moirÃ© superlattices in momentum space. Science Advances, 2021, 7, eabf4387.	4.7	24
21	Tunable 2D Groupâ€III Metal Alloys. Advanced Materials, 2021, 33, e2104265.	11.1	14
22	Momentum for Catalysis: How Surface Reactions Shape the RuO2 Flat Surface State. ACS Catalysis, 2021, 11, 1749-1757.	5.5	8
23	Electronic structure and topology across <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>T</mml:mi><mml:mi>c</mml:mi></mml:msub></mml:ma in the magnetic Weyl semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Co</mml:mi><mml:mn>3</mml:mn></mml:mh></mml: mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2021, 104, .	1.1	14
24	The Itinerant 2D Electron Gas of the Indium Oxide (111) Surface: Implications for Carbonâ€•and Energyâ€Conversion Applications. Small, 2020, 16, e1903321.	5.2	17
25	Spectromicroscopic measurement of surface and bulk band structure interplay in a disordered topological insulator. Nature Physics, 2020, 16, 285-289.	6.5	8
26	Dirac fermions and flat bands in the ideal kagome metal FeSn. Nature Materials, 2020, 19, 163-169.	13.3	367
27	Two phase transitions driven by surface electron doping in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>WTe</mml:mi><mml:mn>2</mml:mn></mml:msub></ Physical Review B, 2020, 102, .	1.1	11
28	Pnictogens Allotropy and Phase Transformation during van der Waals Growth. Nano Letters, 2020, 20, 8258-8266.	4.5	7
29	Electronic structure of the Si-containing topological Dirac semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>CaA</mml:mi><mml:msub><mml:mi mathvariant="normal">I</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2020, 102, .	1.1	9
30	Radial Spin Texture of the Weyl Fermions in Chiral Tellurium. Physical Review Letters, 2020, 125, 216402.	2.9	47
31	Observation of Topological Electronic Structure in Quasi-1D Superconductor TaSe3. Matter, 2020, 3, 2055-2065.	5.0	26
32	Photophysics and Electronic Structure of Lateral Graphene/MoS₂ and Metal/MoS₂ Junctions. ACS Nano, 2020, 14, 16663-16671.	7.3	11
33	Topological flat bands in frustrated kagome lattice CoSn. Nature Communications, 2020, 11, 4004.	5.8	203
34	Visualizing Orbital Content of Electronic Bands in Anisotropic 2D Semiconducting ReSe₂. ACS Nano, 2020, 14, 7880-7891.	7.3	19
35	Momentum-resolved view of highly tunable many-body effects in a graphene/hBN field-effect device. Physical Review B, 2020, 101, .	1.1	13
36	Atomically thin half-van der Waals metals enabled by confinement heteroepitaxy. Nature Materials, 2020, 19, 637-643.	13.3	114

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37	Direct observation of minibands in a twisted graphene/WS ₂ bilayer. Science Advances, 2020, 6, eaay6104.	4.7	39
38	Metal-Insulator Transitions in Î²â€²-Cu V2O5 Mediated by Polaron Oscillation and Cation Shuttling. Matter, 2020, 2, 1166-1186.	5.0	9
39	Spatial nematic fluctuation in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>BaFe</mml:mi><mml:mn>2</mml:mn></ revealed by spatially and angle-resolved. Physical Review B, 2020, 101, .	1.1	3
40	Black phosphorus as a bipolar pseudospin semiconductor. Nature Materials, 2020, 19, 277-281.	13.3	55
41	K-means-driven Gaussian Process data collection for angle-resolved photoemission spectroscopy. Machine Learning: Science and Technology, 2020, 1, 045015.	2.4	7
42	Topological surface states above the Fermi level in Hf2Te2P. Physical Review B, 2019, 100, .	1.1	4
43	Rigid Band Shifts in Two-Dimensional Semiconductors through External Dielectric Screening. Physical Review Letters, 2019, 123, 206403.	2.9	65
44	Tunable electronic structure in gallium chalcogenide van der Waals compounds. Physical Review B, 2019, 100, .	1.1	6
45	Surface states and Rashba-type spin polarization in antiferromagnetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>MnBi</mml:mi><mml:mn>2</mml:mn></ (0001). Physical Review B, 2019, 100, .	1.1	132
46	Imaging microscopic electronic contrasts at the interface of single-layer WS2 with oxide and boron nitride substrates. Applied Physics Letters, 2019, 114, 151601.	1.5	14
47	Orbital Fingerprint of Topological Fermi Arcs in the Weyl Semimetal TaP. Physical Review Letters, 2019, 122, 116402.	2.9	22
48	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
49	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
50	Effects of Defects on Band Structure and Excitons in WS₂ Revealed by Nanoscale Photoemission Spectroscopy. ACS Nano, 2019, 13, 1284-1291.	7.3	64
51	Intrinsic insulating ground state in transition metal dichalcogenide TiSe2. Physical Review Materials, 2019, 3, .	0.9	13
52	Dirac nodal lines protected against spin-orbit interaction in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>IrO</mml:mi><mml:mn>2</mml:mn></mml:msub></ Physical Review Materials, 2019, 3, .	0.9	23
53	The graphene/n-Ge(110) interface: structure, doping, and electronic properties. Nanoscale, 2018, 10, 6088-6098.	2.8	28
54	How to extract the surface potential profile from the ARPES signature of a 2DEG. Journal of Electron Spectroscopy and Related Phenomena, 2018, 225, 16-22.	0.8	13

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55	Giant spin-splitting and gap renormalization driven by trions in single-layer WS2/h-BN heterostructures. Nature Physics, 2018, 14, 355-359.	6.5	83
56	Evidence for absence of metallic surface states in BiO2-terminated BaBiO3 thin films. Current Applied Physics, 2018, 18, 658-662.	1.1	7
57	Massive Dirac fermions in a ferromagnetic kagome metal. Nature, 2018, 555, 638-642.	13.7	544
58	Evidence for Weyl fermions in a canonical heavy-fermion semimetal YbPtBi. Nature Communications, 2018, 9, 4622.	5.8	62
59	Revealing hidden spin-momentum locking in a high-temperature cuprate superconductor. Science, 2018, 362, 1271-1275.	6.0	82
60	Dirac nodal lines and flat-band surface state in the functional oxide <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>RuO</mml:mi><mml:mn>2</mml:mn></mml:msub></mm Physical Review B, 2018, 98, .	1.1	25
61	Emergence of a Metalâ€“Insulator Transition and High-Temperature Charge-Density Waves in VSe₂ at the Monolayer Limit. Nano Letters, 2018, 18, 5432-5438.	4.5	170
62	Nano focusing of soft X-rays by a new capillary mirror optic. Synchrotron Radiation News, 2018, 31, 50-52.	0.2	34
63	Multimodal spectromicroscopy of monolayer WS ₂ enabled by ultra-clean van der Waals epitaxy. 2D Materials, 2018, 5, 045010.	2.0	40
64	Electronic structure of exfoliated and epitaxial hexagonal boron nitride. Physical Review Materials, 2018, 2, .	0.9	19
65	Volatile two-dimensional electron gas in ultrathin <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>BaTiO</mml:mi><mml:mn>3</mml:mn></mml:msub><m films. Physical Review Materials, 2018, 2, .	0.9	5
66	Universal Mechanism of Band-Gap Engineering in Transition-Metal Dichalcogenides. Nano Letters, 2017, 17, 1610-1615.	4.5	157
67	Hallmarks of Hunds coupling in the Mott insulator Ca2RuO4. Nature Communications, 2017, 8, 15176.	5.8	66
68	Quasiparticles and charge transfer at the two surfaces of the honeycomb iridate <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Na</mml:mi><mml:mn>2</mml:mn></mml: Physical Review B, 2017, 96, .	1.1	9
69	Electronic Phase Separation and Dramatic Inverse Band Renormalization in the Mixed-Valence Cuprate <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>LiCu</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:mrow><mml:mi mathvariant="normal">O</mml:mi></mml:mrow><mml:mrow><mml:msub><mml:mrow><mml:mi></mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:mrow> Physical Review Letters, 2017, 118, 176404.	8.6	8
70	How Indium Nitride Senses Water. Nano Letters, 2017, 17, 7339-7344.	4.5	18
71	Symmetry rules shaping spin-orbital textures in surface states. Physical Review B, 2017, 95, .	1.1	9
72	Magnetic effects in sulfur-decorated graphene. Scientific Reports, 2016, 6, 21460.	1.6	11

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73	NaSn₂As₂: An Exfoliatable Layered van der Waals Zintl Phase. ACS Nano, 2016, 10, 9500-9508.	7.3	39
74	Nature and topology of the low-energy states inZrTe5. Physical Review B, 2016, 94, .	1.1	50
75	Spin-polarized surface resonances accompanying topological surface state formation. Nature Communications, 2016, 7, 13143.	5.8	71
76	Spatially Resolved Electronic Properties of Single-Layer WS₂ on Transition Metal Oxides. ACS Nano, 2016, 10, 10058-10067.	7.3	31
77	A setup for extreme-ultraviolet ultrafast angle-resolved photoemission spectroscopy at 50-kHz repetition rate. , 2016, , .		0
78	Influence of optically quenched superconductivity on quasiparticle relaxation rates in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mml:m mathvariant="normal">O</mml:mi><mml:mrow><mml:mn>8</mml:mn><mml:mo>+</mml:mo><mml:mi>Î´</mml:mi></mml:mrow></m Physical Review B, 2015, 92, .	1.1	18
79	Ultrafast quenching of electronâ€“boson interaction and superconducting gap in a cuprate superconductor. Nature Communications, 2014, 5, 4959.	5.8	50
80	Time- and momentum-resolved gap dynamics in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>Bi</mml:mtext><mml:mn>2</mml:mn></mml:msub> xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>Sr</mml:mtext><mml:mn>2</mml:mn></mml:msub> xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>CaCu</mml:mtext><mml:mn>2</mml:mn></mml:msu xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mml. Physical Review B, 2014, 89, .	1.1	45
81	Photoelectron spin-flipping and texture manipulation in a topological insulator. Nature Physics, 2013, 9, 293-298.	6.5	176
82	Signatures of superconductivity and pseudogap formation in nonequilibrium nodal quasiparticles revealed by ultrafast angle-resolved photoemission. Physical Review B, 2013, 88, .	1.1	32
83	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
84	An ultrafast angle-resolved photoemission apparatus for measuring complex materials. Review of Scientific Instruments, 2012, 83, 123904.	0.6	48
85	A New Spin on ARPES. Synchrotron Radiation News, 2012, 25, 32-38.	0.2	4
86	Tracking Cooper Pairs in a Cuprate Superconductor by Ultrafast Angle-Resolved Photoemission. Science, 2012, 336, 1137-1139.	6.0	171
87	Nodal quasiparticle meltdown in ultrahigh-resolution pumpâ€“probe angle-resolved photoemission. Nature Physics, 2011, 7, 805-809.	6.5	114
88	Widespread spin polarization effects in photoemission from topological insulators. Physical Review B, 2011, 84, .	1.1	111
89	Crossover region between nodal and antinodal states at the Fermi level of optimally doped and overdopedBi2Sr1.6Nd0.4CuO6+Î´. Physical Review B, 2010, 81, .	1.1	1
90	Vacuum space charge effect in laser-based solid-state photoemission spectroscopy. Journal of Applied Physics, 2010, 107, .	1.1	57

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91	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
92	Bilayer splitting andc-axis coupling in bilayer manganites showing colossal magnetoresistance. Physical Review B, 2009, 80, .	1.1	7
93	TOF electron energy analyzer for spin and angular resolved photoemission spectroscopy. Physics Procedia, 2008, 1, 413-423.	1.2	3
94	Bond Stretching Phonon Softening and Kinks in the Angle-Resolved Photoemission Spectra of Optimally Doped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Sr</mml:mi><mml:mn mathvariant="normal">O</mml:mi><mml:mrow><mml:mn>6</mml:mn><mml:mo>+</mml:mo><m. Physical Review Letters, 2008, 100, 227002.	2.9	72
95	Core-level and valence-band study using angle-integrated photoemission on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>LaFeAsO</mml:mtext></mml:mrow><mml:mrow><mml:mn>0. Physical Review B, 2008, 78, .	1.1	15
96	MERLIN â€" A meV Resolution Beamline at the ALS. AIP Conference Proceedings, 2007, , .	0.3	7
97	Universal High Energy Anomaly in the Angle-Resolved Photoemission Spectra of High Temperature Superconductors: Possible Evidence of Spinon and Holon Branches. Physical Review Letters, 2007, 98, 067004.	2.9	177
98	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
99	Mapping the spin-dependent electron reflectivity of Fe and Co ferromagnetic thin films. Physical Review B, 2005, 71, .	1.1	31