Simon Moser

List of Publications by Year
in descending order

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Version: 2024-02-01

40 papers	2,284 citations	361413 20 h-index	302126 39 g-index
40 all docs	40 docs citations	40 times ranked	3926 citing authors

#	Article	IF	Citations
1	Magnetic order of tetragonal CuO ultrathin films. Physical Review B, 2021, 103, .	3.2	2
2	Design and realization of topological Dirac fermions on a triangular lattice. Nature Communications, 2021, 12, 5396.	12.8	19
3	Momentum for Catalysis: How Surface Reactions Shape the RuO2 Flat Surface State. ACS Catalysis, 2021, 11, 1749-1757.	11.2	8
4	The Itinerant 2D Electron Gas of the Indium Oxide (111) Surface: Implications for Carbonâ€•and Energyâ€Conversion Applications. Small, 2020, 16, e1903321.	10.0	17
5	Radial Spin Texture of the Weyl Fermions in Chiral Tellurium. Physical Review Letters, 2020, 125, 216402.	7.8	47
6	Light-Induced Renormalization of the Dirac Quasiparticles in the Nodal-Line Semimetal ZrSiSe. Physical Review Letters, 2020, 125, 076401.	7.8	26
7	Tuning transport across MoS2/graphene interfaces via as-grown lateral heterostructures. Npj 2D Materials and Applications, 2020, 4, .	7.9	12
8	Orbital-Driven Rashba Effect in a Binary Honeycomb Monolayer AgTe. Physical Review Letters, 2020, 124, 176401.	7.8	33
9	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></mml:msub></mml:mrow></mml:math> (0001). Physical Review B, 2019, 100, .	3.2	132
10	Orbital Fingerprint of Topological Fermi Arcs in the Weyl Semimetal TaP. Physical Review Letters, 2019, 122, 116402.	7.8	22
11	Topological Electronic Structure and Intrinsic Magnetization in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>MnBi</mml:mi></mml:mrow><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> : A <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>. Physical Review X, 2019, 9, .	8.9	86
12	Prediction and observation of an antiferromagnetic topological insulator. Nature, 2019, 576, 416-422.	27.8	701
13	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.	1.6	0
14	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></mml:math> Physical Review Materials, 2019, 3, .	2.4	23
15	Nontrivial topological valence bands of common diamond and zinc-blende semiconductors. Physical Review Materials, 2019, 3, .	2.4	1
16	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.	1.7	13
17	Giant spin-splitting and gap renormalization driven by trions in single-layer WS2/h-BN heterostructures. Nature Physics, 2018, 14, 355-359.	16.7	83
18	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></mml:math> Physical Review B, 2018, 98, .	3.2	25

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19	Electronic structure of exfoliated and epitaxial hexagonal boron nitride. Physical Review Materials, 2018, 2, .	2.4	19
20	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, .	2.4	5
21	Strongly bound excitons in anatase TiO2 single crystals and nanoparticles. Nature Communications, 2017, 8, 13.	12.8	148
22	Hallmarks of Hunds coupling in the Mott insulator Ca2RuO4. Nature Communications, 2017, 8, 15176.	12.8	66
23	An experimentalist's guide to the matrix element in angle resolved photoemission. Journal of Electron Spectroscopy and Related Phenomena, 2017, 214, 29-52.	1.7	121
24	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, .	3.2	9
25	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:msub><mml:mrow mathvariant="normal">O</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml: Physical Review Letters, 2017, 118, 176404.	7.8	3
26	How Indium Nitride Senses Water. Nano Letters, 2017, 17, 7339-7344.	9.1	18
27	Hybridization and electron-phonon coupling in ferroelectric<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 by resonant inelastic x-ray scattering. Physical Review B, 2016, 94, .	3.2	19
28	Non-Zhang-Rice Singlet Character of the First Ionization State of T-CuO. Physical Review Letters, 2016, 116, 087002.	7.8	22
29	Engineering the topological surface states in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mrow><mml:mo>(</mml:mo><mml:msub><m width="0.16em"		

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37	The electronic structure of the high-symmetry perovskite iridate Ba₂IrO₄. New Journal of Physics, 2014, 16, 013008.	2.9	35
38	Tunable Polaronic Conduction in Anatase<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>TiO</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2013, 110, 196403.	7.8	237
39	Electronic Instability in a Zero-Gap Semiconductor: The Charge-Density Wave in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mo stretchy="false">(</mml:mo><mml:msub><mml:mi>TaSe</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:msub><mml:mo mathvariant="bold">I</mml:mo></mml:msub></mml:math>. Physical Review Letters, 2013, 110, 236401.	7.8	31
40	Giant Ambipolar Rashba Effect in the Semiconductor BiTeI. Physical Review Letters, 2012, 109, 096803.	7.8	157