

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	Prediction and observation of an antiferromagnetic topological insulator. Nature, 2019, 576, 416-422.	27.8	701
2	Tunable Polaronic Conduction in Anatase TiO_2 . Physical Review Letters, 2013, 110, 196403.	7.8	237
3	Giant Ambipolar Rashba Effect in the Semiconductor BiTeI. Physical Review Letters, 2012, 109, 096803.	7.8	157
4	Strongly bound excitons in anatase TiO_2 single crystals and nanoparticles. Nature Communications, 2017, 8, 13.	12.8	148
5	Surface states and Rashba-type spin polarization in antiferromagnetic MnBi (0001). Physical Review B, 2019, 100, .	7.8	150
6	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
7	Topological Electronic Structure and Intrinsic Magnetization in MnBi . Physical Review X, 2018, 8, .	1.7	121
8	Giant spin-splitting and gap renormalization driven by trions in single-layer $\text{WS}_2/\text{h-BN}$ heterostructures. Nature Physics, 2018, 14, 355-359.	16.7	83
9	Hallmarks of Hund's coupling in the Mott insulator Ca_2RuO_4 . Nature Communications, 2017, 8, 15176.	12.8	66
10	Electron-Phonon Coupling in the Bulk of Anatase TiO_2 by Resonant Inelastic X-Ray Spectroscopy. Physical Review Letters, 2015, 115, 096404.	7.8	54
11	Radial Spin Texture of the Weyl Fermions in Chiral Tellurium. Physical Review Letters, 2020, 125, 216402.	7.8	47
12	The electronic structure of the high-symmetry perovskite iridate BaIrO_4 . New Journal of Physics, 2014, 16, 013008.	2.9	35
13	Orbital-Driven Rashba Effect in a Binary Honeycomb Monolayer AgTe. Physical Review Letters, 2020, 124, 176401.	7.8	33
14	Electronic Instability in a Zero-Gap Semiconductor: The Charge-Density Wave in TaSe_4I . Physical Review Letters, 2013, 110, 236401.	7.8	31
15	Light-Induced Renormalization of the Dirac Quasiparticles in the Nodal-Line Semimetal ZrSiSe . Physical Review Letters, 2020, 125, 076401.	7.8	26
16	Dirac nodal lines and flat-band surface state in the functional oxide RuO_2 . Physical Review B, 2018, 98, .	7.8	26
17	Dirac nodal lines protected against spin-orbit interaction in IrO_2 . Physical Review Materials, 2019, 3, .	7.8	26
18	Non-Zhang-Rice Singlet Character of the First Ionization State of T-CuO. Physical Review Letters, 2016, 116, 087002.	7.8	22

#	ARTICLE	IF	CITATIONS
19	Orbital Fingerprint of Topological Fermi Arcs in the Weyl Semimetal TaP. Physical Review Letters, 2019, 122, 116402.	7.8	22
20	Angle-Resolved Photoemission Spectroscopy of Tetragonal CuO: Evidence for Intralayer Coupling Between Cupratelike Sublattices. Physical Review Letters, 2014, 113, 187001.	7.8	21
21	Hybridization and electron-phonon coupling in ferroelectric BaTiO_3 by resonant inelastic x-ray scattering. Physical Review B, 2016, 94, .	12.8	19
22	Design and realization of topological Dirac fermions on a triangular lattice. Nature Communications, 2021, 12, 5396.	12.8	19
23	Electronic structure of exfoliated and epitaxial hexagonal boron nitride. Physical Review Materials, 2018, 2, .	2.4	19
24	Engineering the topological surface states in the Bi_2Te_3 thin film with width="0.16em"		

#	ARTICLE	IF	CITATIONS
37	Magnetic order of tetragonal CuO ultrathin films. <i>Physical Review B</i> , 2021, 103, .	3.2	2
38	Interplay between electronic and structural properties in the Pb/Ag(1 0 0) interface. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 455502.	1.8	1
39	Nontrivial topological valence bands of common diamond and zinc-blende semiconductors. <i>Physical Review Materials</i> , 2019, 3, .	2.4	1
40	Polarization control at the microscopic and electronic structure observatory. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 914, 156-164.	1.6	0