Patrik ThunstrÃ¶m

List of Publications by Year
in descending order

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26	1,795	623734	552781
papers	citations	14 h-index	26 g-index

26	26	26	3163
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reproducibility in density functional theory calculations of solids. Science, 2016, 351, aad3000.	12.6	1,113
2	Charge self-consistent dynamical mean-field theory based on the full-potential linear muffin-tin orbital method: Methodology and applications. Computational Materials Science, 2012, 55, 295-302.	3.0	98
3	Dynamical vertex approximation in its parquet implementation: Application to Hubbard nanorings. Physical Review B, 2015, 91, .	3.2	78
4	Efficient implementation of the parquet equations: Role of the reducible vertex function and its kernel approximation. Physical Review B, 2016, 93, .	3.2	68
5	Electronic Entanglement in Late Transition Metal Oxides. Physical Review Letters, 2012, 109, 186401.	7.8	59
6	Nonperturbative landscape of the Mott-Hubbard transition: Multiple divergence lines around the critical endpoint. Physical Review B, 2016, 94, .	3.2	59
7	Chebyshev expansion for impurity models using matrix product states. Physical Review B, 2014, 90, .	3.2	53
8	Multiplet effects in the electronic structure of intermediate-valence compounds. Physical Review B, 2009, 79, .	3.2	40
9	Generic Optical Excitations of Correlated Systems: <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Ï€</mml:mi></mml:math> -tons. Physical Review Letters, 2020, 124, 047401.	7.8	38
10	High photon energy spectroscopy of NiO: Experiment and theory. Physical Review B, 2016, 93, .	3.2	22
11	Theory of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>L</mml:mi></mml:math>-edge spectroscopy of strongly correlated systems. Physical Review B, 2017, 96, .	3.2	21
12	Heisenberg and anisotropic exchange interactions in magnetic materials with correlated electronic structure and significant spin-orbit coupling. Physical Review B, 2021, 103, .	3.2	19
13	Towards ab initio Calculations with the Dynamical Vertex Approximation. Journal of the Physical Society of Japan, 2018, 87, 041004.	1.6	18
14	Parquet approximation for molecules: Spectrum and optical conductivity of the Pariser-Parr-Pople model. Physical Review B, 2019, 99, .	3.2	18
15	Correlated electron behavior of metal-organic molecules: Insights from density functional theory combined with many-body effects using exact diagonalization. Physical Review B, 2016, 93, .	3.2	15
16	Charge disproportionate antiferromagnetism at the verge of the insulator-metal transition in doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>LaFeO</mml:mi><mml:mn>3</mml:mn></mml:msub></m Physical Review B, 2019, 99, .	3.2	12
17	Electronic structure of Co doped ZnO: Theory and experiment. Journal of Applied Physics, 2008, 103, .	2.5	11
18	Dynamical correlations in single-layer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CrI</mml:mi><mml:mn>3</mml:mn></mml:msub></mml: Physical Review B, 2022, 105, .	3.2	10

#	Article	IF	Citations
19	Topology of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>SmB</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:math> determined by dynamical mean field theory. Physical Review B, 2021, 104, .	3.2	9
20	High-resolution photoelectron spectroscopy study of Kondo metals: SmSn3and Sm0.9La0.1Sn3. Physical Review B, 2012, 85, .	3.2	8
21	Investigation of the spectral properties and magnetism of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>BiFeO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math> by dynamical mean-field theory. Physical Review B, 2018, 97, .	3.2	8
22	Electronic structure and the valence state ofYb2Pd2SnandYbPd2Snstudied by photoelectron and resonant x-ray emission spectroscopies. Physical Review B, 2012, 86, .	3.2	7
23	Orbital and electronic entanglement in quantum teleportation schemes. Physical Review Research, 2021, 3, .	3.6	5
24	Photoelectron dispersion in metallic and insulating <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>VO</mml:mi></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:math> thin films. Physical Review Research, 2021, 3, .	3.6	3
25	In Situ Pseudopotentials for Electronic Structure Theory. Journal of Physical Chemistry C, 2021, 125, 15103-15111.	3.1	2
26	Correlated electronic structure of Fe in bulk Cs and on a Cs surface. Physical Review B, 2013, 87, .	3.2	1