Karsten Held

List of Publications by Year
in descending order

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200 papers	10,471 citations	25031 57 h-index	38392 95 g-index
204 all docs	204 docs citations	204 times ranked	6743 citing authors

#	Article	IF	Citations
1	Origin of the background absorption in carbon nanotubes: Phonon-assisted excitonic continuum. Carbon, 2022, 186, 465-474.	10.3	5
2	Efficient Magnus-type integrators for solar energy conversion in Hubbard models. Journal of Computational Mathematics and Data Science, 2022, 2, 100018.	2.3	1
3	Phase Diagram of Nickelate Superconductors Calculated by Dynamical Vertex Approximation. Frontiers in Physics, 2022, 9, .	2.1	24
4	Hidden one-dimensional, strongly nested, and almost half-filled Fermi surface in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ba</mml:mi><mml:mn>2</mml:mn></mml:m superconductors. Physical Review B, 2022, 105, .	3.2	4
5	Toward Functionalized Ultrathin Oxide Films: The Impact of Surface Apical Oxygen. Advanced Electronic Materials, 2022, 8, .	5.1	5
6	Fingerprints of Topotactic Hydrogen in Nickelate Superconductors. Crystals, 2022, 12, 656.	2.2	8
7	Long-term memory magnetic correlations in the Hubbard model: A dynamical mean-field theory analysis. SciPost Physics, 2022, 12, .	4.9	10
8	Strongly correlated superconductivity with long-range spatial fluctuations. JPhys Materials, 2022, 5, 034005.	4.2	7
9	Self-consistent ladder dynamical vertex approximation. Physical Review B, 2021, 103, .	3.2	19
10	Tiling with triangles: parquet and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>G</mml:mi><mml:mi>W</mml:mi><mml:mi>Î³</mml:mi> methods unified. Physical Review Research, 2021, 3, .	3.6	19
11	Comparing scattering rates from Boltzmann and dynamical mean-field theory. Physical Review B, 2021, 103, .	3.2	4
12	Self-energy self-consistent density functional theory plus dynamical mean field theory. Physical Review B, 2021, 103, .	3.2	2
13	Asymmetric interfaces and high-TC ferromagnetic phase in La0.67Ca0.33MnO3/SrRuO3 superlattices. Nano Research, 2021, 14, 3621-3628.	10.4	6
14	Pitfalls and solutions for perovskite transparent conductors. Physical Review B, 2021, 104, .	3.2	2
15	Defectâ€Engineered Dzyaloshinskiiâ€“Moriya Interaction and Electricâ€Fieldâ€Switchable Topological Spin Texture in SrRuO₃. Advanced Materials, 2021, 33, e2102525.	21.0	34
16	Zoology of spin and orbital fluctuations in ultrathin oxide films. Physical Review B, 2021, 104, .	3.2	5
17	Numerical solver for the time-dependent far-from-equilibrium Boltzmann equation. Computer Physics Communications, 2021, 264, 107877.	7.5	8
18	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></mm determined by dynamical mean field theory. Physical Review B, 2021, 104, .	3.2	9

#	Article	IF	Citations
19	Broadening and sharpening of the Drude peak through antiferromagnetic fluctuations. Physical Review B, 2021, 104, .	3.2	6
20	How correlations change the magnetic structure factor of the kagome Hubbard model. Physical Review B, 2021, 104, .	3.2	11
21	High-frequency asymptotics of the vertex function: Diagrammatic parametrization and algorithmic implementation. Physical Review B, 2020, 102, .	3.2	53
22	Statistical error estimates in dynamical mean-field theory and extensions thereof. Physical Review B, 2020, 102, .	3.2	4
23	Nickelate superconductorsâ€”a renaissance of the one-band Hubbard model. Npj Quantum Materials, 2020, 5, .	5.2	129
24	Truncated unity parquet solver. Physical Review B, 2020, 101, .	3.2	31
25	Zero Field Splitting of Heavy-Hole States in Quantum Dots. Nano Letters, 2020, 20, 5201-5206.	9.1	12
26	Electric field controllable high-spin <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>SrRu</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> driven by a solid ionic junction. Physical Review B, 2020, 101, .	3.2	19
27	Terahertz Excitonics in Carbon Nanotubes: Exciton Autoionization and Multiplication. Nano Letters, 2020, 20, 3098-3105.	9.1	21
28	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
29	Parquet dual fermion approach for the Falicov-Kimball model. Physical Review B, 2020, 101, .	3.2	13
30	Topotactic Hydrogen in Nickelate Superconductors and Akin Infinite-Layer Oxides <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>A</mml:mi><mml:mi>B</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2020, 124, 166402.	7.8	102
31	Enhancement of impact ionization in Hubbard clusters by disorder and next-nearest-neighbor hopping. Physical Review B, 2020, 102, .	3.2	7
32	Robust skyrmion-bubble textures in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Sr</mml:mi><mml:mi>Ru</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math> thin films stabilized by magnetic anisotropy. Physical Review Research, 2020, 2, .	3.6	18
33	Competition between antiferromagnetic and charge density wave fluctuations in the extended Hubbard model. Physical Review B, 2019, 100, .	3.2	10
34	Symmetric improved estimators for continuous-time quantum Monte Carlo. Physical Review B, 2019, 100, .	3.2	25
35	The AbinitioDÎ“A Project v1.0: Non-local correlations beyond and susceptibilities within dynamical mean-field theory. Computer Physics Communications, 2019, 245, 106847.	7.5	11
36	Why the critical temperature of high- Tc cuprate superconductors is so low: The importance of the dynamical vertex structure. Physical Review B, 2019, 99, .	3.2	41

#	Article	IF	Citations
37	Quantum Criticality in the Two-Dimensional Periodic Anderson Model. Physical Review Letters, 2019, 122, 227201.	7.8	26
38	The victory project v1.0: An efficient parquet equations solver. Computer Physics Communications, 2019, 241, 146-154.	7.5	22
39	Parquet approximation for molecules: Spectrum and optical conductivity of the Pariser-Parr-Pople model. Physical Review B, 2019, 99, .	3.2	18
40	Electronic and magnetic state of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>LaMnO</mml:mi><mml:mn>3</mml:mn></mml:msub></ epitaxially strained on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>SrTiO</mml:mi><mml:mn>3</mml:mn></mml:msub></m : Effect of local correlation and nonlocal exchange. Physical Review B, 2019, 100, .	3.2	11
41	w2dynamics: Local one- and two-particle quantities from dynamical mean field theory. Computer Physics Communications, 2019, 235, 388-399.	7.5	86
42	Towards ab initio Calculations with the Dynamical Vertex Approximation. Journal of the Physical Society of Japan, 2018, 87, 041004.	1.6	18
43	Impact ionization processes in the steady state of a driven Mott-insulating layer coupled to metallic leads. Physical Review B, 2018, 97, .	3.2	21
44	Quantum Boltzmann equation for strongly correlated systems: Comparison to dynamical mean field theory. Physical Review B, 2018, 98, .	3.2	29
45	Impact of self-consistency in dual fermion calculations. Physical Review B, 2018, 98, .	3.2	8
46	Finite-temperature phase diagram of (111) nickelate bilayers. Physical Review B, 2018, 98, .	3.2	6
47	Divergences of the irreducible vertex functions in correlated metallic systems: Insights from the Anderson impurity model. Physical Review B, 2018, 97, .	3.2	49
48	Dynamical Mean Field Theory for Oxide Heterostructures. Springer Series in Materials Science, 2018, , 215-243.	0.6	0
49	Diagrammatic routes to nonlocal correlations beyond dynamical mean field theory. Reviews of Modern Physics, 2018, 90, .	45.6	274
50	Importance of Schottky barriers for wide-bandgap thermoelectric devices. Physical Review Materials, 2018, 2, .	2.4	1
51	Real-space mapping of electronic orbitals. Ultramicroscopy, 2017, 177, 26-29.	1.9	17
52	Subpicosecond spin dynamics of excited states in the topological insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2 /mml:m Physical Review B, 2017, 95, .	3.2	11
53	Ab initio dynamical vertex approximation. Physical Review B, 2017, 95, .	3.2	64
54	Thickness Dependent Properties in Oxide Heterostructures Driven by Structurally Induced Metalâ€"Oxygen Hybridization Variations. Advanced Functional Materials, 2017, 27, 1606717.	14.9	61

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55	Topological Dirac semimetal phase in Pd and Pt oxides. Physical Review B, 2017, 95, .	3.2	26
56	Interplay of Correlations and Kohn Anomalies in Three Dimensions: Quantum Criticality with a Twist. Physical Review Letters, 2017, 119, 046402.	7.8	38
57	Continuous-time quantum Monte Carlo calculation of multiorbital vertex asymptotics. Physical Review B, 2017, 96, .	3.2	31
58	Local correlation functions of arbitrary order for the Falicov-Kimball model. Physical Review B, 2017, 95, .	3.2	11
59	Merging GW with DMFT and non-local correlations beyond. European Physical Journal: Special Topics, 2017, 226, 2565-2590.	2.6	45
60	Quantum Anomalous Hall State in Ferromagnetic SrRuO3 (111) Bilayers. Physical Review Letters, 2017, 119, 026402.	7.8	47
61	Local magnetic moments in iron and nickel at ambient and Earthâ€™s core conditions. Nature Communications, 2017, 8, 16062.	12.8	80
62	Boltzmann approach to high-order transport: The nonlinear and nonlocal responses. Physical Review B, 2017, 95, .	3.2	6
63	Mott-Hubbard transition in the mass-imbalanced Hubbard model. European Physical Journal B, 2017, 90, 1.	1.5	8
64	Role of three-particle vertex within dual fermion calculations. Physical Review B, 2017, 96, .	3.2	24
65	Effective magnetic correlations in hole-doped graphene nanoflakes. Physical Review B, 2016, 94, .	3.2	23
66	Electronic structure of CeRu4Sn6: a density functional plus dynamical mean field theory study. European Physical Journal B, 2016, 89, 1.	1.5	15
67	Dynamical vertex approximation for the two-dimensional Hubbard model. Journal of Magnetism and Magnetic Materials, 2016, 400, 107-111.	2.3	29
68	Worm-improved estimators in continuous-time quantum Monte Carlo. Physical Review B, 2016, 94, .	3.2	39
69	Magnetism in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sr</mml:mi><mml:mn>2</mml:mn></mml:msub></mm A combinedab initioand model study. Physical Review B, 2016, 94, .	3.2	25
70	Efficient implementation of the parquet equations: Role of the reducible vertex function and its kernel approximation. Physical Review B, 2016, 93, .	3.2	68
71	Momentum structure of the self-energy and its parametrization for the two-dimensional Hubbard model. Physical Review B, 2016, 93, .	3.2	18
72	Ultrafast and Gigantic Spin Injection in Semiconductors. Physical Review Letters, 2016, 116, 196601.	7.8	46

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73	Magnetic Behavior of Volborthite<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:msub><mml:mrow><mml:mi>Cu</mml:mi></mml:mrow><mml:mrow><mml:mn>3 mathvariant="normal">V</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:mrow><mml:mn> mathvariant="normal">O</mml:mi></mml:mrow><mml:mrow><mml:mn>7</mml:mn></mml:mrow></mml:msub></mm. Physical Review Letters, 2016, 117, 037206.	7.8	48
74	Nonlocal correlations and spectral properties of the Falicov-Kimball model. Physical Review B, 2016, 93, .	3.2	38
75	Charge self-consistency in density functional theory combined with dynamical mean field theory: <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>k</mml:mi></mml:math> -space reoccupation and orbital order. Physical Review B, 2016, 94, .	3.2	29
76	Controlled lateral anisotropy in correlated manganite heterostructures by interface-engineered oxygen octahedral coupling. Nature Materials, 2016, 15, 425-431.	27.5	292
77	woptic: Optical conductivity with Wannier functions and adaptive k-mesh refinement. Computer Physics Communications, 2016, 202, 1-11.	7.5	14
78	Route to room-temperature ferromagnetic ultrathinSrRuO3films. Physical Review B, 2015, 92, .	3.2	41
79	Tunable site- and orbital-selective Mott transition and quantum confinement effects in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mtext>La</mml:mtext><mml:mrow> Physical Review B, 2015, 92, .	3.2	16
80	Continuous-time quantum Monte Carlo using worm sampling. Physical Review B, 2015, 92, .	3.2	43
81	Screened moments and absence of ferromagnetism in FeAl. Physical Review B, 2015, 92, .	3.2	29
82	Unified Picture for the Colossal Thermopower Compound<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>FeSb</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></ Physical Review Letters, 2015, 114, 236603.	7.8	36
83	Surface Effects on the Mott-Hubbard Transition in Archetypal<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi mathvariant="normal">V</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2015, 115, 236802.	7.8	16
84	Efficient DMFT impurity solver using real-time dynamics with matrix product states. Physical Review B, 2015, 92, .	3.2	51
85	Momentum-Resolved Spin Dynamics of Bulk and Surface Excited States in the Topological Insulator<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Bi</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></ Physical Review Letters, 2015, 114, 097401.	7.8	64
86	Electronics with Correlated Oxides:<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>SrVO</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></ a Mott Transistor. Physical Review Letters, 2015, 114, 246401.	7.8	77
87	Fate of the false Mott-Hubbard transition in two dimensions. Physical Review B, 2015, 91, .	3.2	129
88	Dynamical vertex approximation in its parquet implementation: Application to Hubbard nanorings. Physical Review B, 2015, 91, .	3.2	78
89	Giant Switchable Rashba Effect in Oxide Heterostructures. Advanced Materials Interfaces, 2015, 2, 1400445.	3.7	29
90	Importance ofdâ€“pCoulomb interaction for high T_Ccuprates and other oxides. New Journal of Physics, 2014, 16, 033009.	2.9	44

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91	Role of impact ionization in the thermalization of photoexcited Mott insulators. Physical Review B, 2014, 90, .	3.2	50
92	Electronic Reconstruction at the Isopolar<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>LaTiO</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></ An X-Ray Photoemission and Density-Functional Theory Study. Physical Review Letters, 2014, 113, 237402.	7.8	56
93	Cubic interaction parameters for<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>t</mml:mi><mml:mrow><mml:mn>2 mml:mn><mml: orbitals. Physical Review B, 2014, 90, .	3.2	19
94	Anisotropic two-dimensional electron gas at SrTiO ₃ (110). Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3933-3937.	7.1	99
95	From Infinite to Two Dimensions through the Functional Renormalization Group. Physical Review Letters, 2014, 112, 196402.	7.8	112
96	Chebyshev expansion for impurity models using matrix product states. Physical Review B, 2014, 90, .	3.2	53
97	Double quantum dot as a minimal thermoelectric generator. Physical Review B, 2014, 89, .	3.2	43
98	Physics behind the minimum of relative entropy measures for correlations. European Physical Journal B, 2013, 86, 1.	1.5	2
99	Raman-Scattering Measurements and Theory of the Energy-Momentum Spectrum for UnderdopedBi2Sr2CaCuO8+Î´Superconductors: Evidence of ans-Wave Structure for the Pseudogap. Physical Review Letters, 2013, 111, 107001.	7.8	64
100	One-particle irreducible functional approach: A route to diagrammatic extensions of the dynamical mean-field theory. Physical Review B, 2013, 88, .	3.2	80
101	Comparing quasiparticleGW+DMFT and LDA+DMFT for the test bed material SrVO3. Physical Review B, 2013, 88, .	3.2	56
102	Oxide Heterostructures for Efficient Solar Cells. Physical Review Letters, 2013, 110, 078701.	7.8	113
103	Poor Manâ€™s Understanding of Kinks Originating from Strong Electronic Correlations. Physical Review Letters, 2013, 110, 246402.	7.8	34
104	Double exchange model for nanoscopic clusters. European Physical Journal B, 2013, 86, 1.	1.5	4
105	Theory of spin-orbit coupling at LaAlO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>/SrTiO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>interfaces and SrTiO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:	3.2	312
106	Quantum confinement in perovskite oxide heterostructures: Tight binding instead of a nearly free electron picture. Physical Review B, 2013, 88, .	3.2	29
107	Anisotropic optical conductivity of the putative Kondo insulator CeRu<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>4</mml:mn></mml:msub></mml:math>Sn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow	3.2	27
108	Effective crystal field and Fermi surface topology: A comparison of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>d</mml:mi></mml:math>- and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>d</mml:mi><mml:mi>p</mml:mi></mml:mrow></mml:math>-orbital models. Physical Review B, 2013, 88, .	3.2	34

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109	Mottâ€“Hubbard transition in V₂O₃ revisited. Physica Status Solidi (B): Basic Research, 2013, 250, 1251-1264.	1.5	70
110	Correlation effects in transport properties of interacting nanostructures. Physical Review B, 2012, 86, .	3.2	24
111	Enhancement of the effective disorder potential and thermopower in NaxCoO2through electron-phonon coupling. Physical Review B, 2012, 86, .	3.2	6
112	Cluster-size dependence in cellular dynamical mean-field theory. Physical Review B, 2012, 85, .	3.2	55
113	Effective on-site interaction for dynamical mean-field theory. Physical Review B, 2012, 86, .	3.2	60
114	Atomic and itinerant effects at the transition-metal x-ray absorption<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>K</mml:mi></mml:math>pre-edge exemplified in the case of V<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:	3.2	13
115	Kinks in the periodic Anderson model. Physical Review B, 2012, 86, .	3.2	7
116	Signature of antiferromagnetic long-range order in the optical spectrum of strongly correlated electron systems. Physical Review B, 2012, 85, .	3.2	43
117	Dipole matrix element approach versus Peierls approximation for optical conductivity. Physical Review B, 2012, 85, .	3.2	18
118	DasetÂal.Reply:. Physical Review Letters, 2012, 108, .	7.8	3
119	Quantum dynamical screening of the local magnetic moment in Fe-based superconductors. Physical Review B, 2012, 86, .	3.2	65
120	Conserved quantities ofSU(2)-invariant interactions for correlated fermions and the advantages for quantum Monte Carlo simulations. Physical Review B, 2012, 86, .	3.2	78
121	Microscopic understanding of the orbital splitting and its tuning at oxide interfaces. Europhysics Letters, 2012, 99, 37011.	2.0	19
122	Size Control of Charge-Orbital Order in Half-Doped Manganite<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>La</mml:mi><mml:mn>0.5</mml:mn></mml:msub><mml:msub><mml:mi>Ca</mml:mi><mml:r Physical Review Letters, 2011, 107, 197202.	7.8	43
123	spectroscopy study of (V<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML") Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.2	22
124	xmlns:mml="http://www.w3.org/1998/Math Ab initio calculations with the dynamical vertex approximation. Annalen Der Physik, 2011, 523, 698-705.	2.4	32
125	Orbital characters of three-dimensional Fermi surfaces in Eu2â^'xSrxNiO4as probed by soft-x-ray angle-resolved photoemission spectroscopy. Physical Review B, 2011, 84, .	3.2	10
126	Effects of electronic correlations and disorder on the thermopower of Na<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:msub></mml:math>CoO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2011, 84, .	3.2	20

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	Mott Gap of Metallic Layered Nickelate <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"		
127			

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145	Kinks in the Electronic Specific Heat. Physical Review Letters, 2009, 102, 076402.	7.8	28
146	Electronic correlations in V₂O₃studied with K-edge X-ray absorption spectroscopy. Journal of Physics: Conference Series, 2009, 190, 012092.	0.4	2
147	Quasiparticle evolution and pseudogap formation in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">V</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>: An infrared spectroscopy study. Physical Review B, 2008, 77, .	3.2	73
148	Bandstructure meets many-body theory: the LDA+DMFT method. Journal of Physics Condensed Matter, 2008, 20, 064202.	1.8	28
149	Correlated Electron Tunneling through Two Separate Quantum Dot Systems with Strong Capacitive Interdot Coupling. Physical Review Letters, 2008, 101, 186804.	7.8	63
150	Dynamical Vertex Approximation. Progress of Theoretical Physics Supplement, 2008, 176, 117-133.	0.1	64
151	Origin of large thermopower inLiRh2O4: Calculation of the Seebeck coefficient by the combination of local density approximation and dynamical mean-field theory. Physical Review B, 2008, 78, .	3.2	46
152	Localization of strongly correlated electrons as Jahn-Teller polarons in manganites. Physical Review B, 2007, 76, .	3.2	17
153	Doped Mott Insulator as the Origin of Heavy-Fermion Behavior inLiV2O4. Physical Review Letters, 2007, 98, 166402.	7.8	55
154	Sr2VO4andBa2VO4under pressure: An orbital switch and potentiald1superconductor. Physical Review B, 2007, 75, .	3.2	27
155	Electronic structure calculations using dynamical mean field theory. Advances in Physics, 2007, 56, 829-926.	14.4	377
156	Design of a d¹-analogue of cuprates: Sr₂VO₄and Ba₂VO₄under pressure. Journal of Physics Condensed Matter, 2007, 19, 365204.	1.8	5
157	Dynamical vertex approximation: A step beyond dynamical mean-field theory. Physical Review B, 2007, 75, .	3.2	305
158	Kinks in the dispersion of strongly correlated electrons. Nature Physics, 2007, 3, 168-171.	16.7	168
159	Dynamical cluster approximation study of d- and p-wave pairing in the Hubbard model at. Journal of Magnetism and Magnetic Materials, 2007, 310, 645-647.	2.3	0
160	Momentum-resolved spectral functions ofSrVO3calculated byLDA+DMFT. Physical Review B, 2006, 73, .	3.2	110
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