Karsten Held

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

195 papers	8,401 citations	52 h-index	84 g-index
204 ext. papers	9,587 ext. citations	5 avg, IF	6.25 L-index

#	Paper	IF	Citations
195	Efficient Magnus-type integrators for solar energy conversion in Hubbard models. *Journal of Computational Mathematics and Data Science*, **2022**, 2, 100018		0
194	Phase Diagram of Nickelate Superconductors Calculated by Dynamical Vertex Approximation. *Frontiers in Physics*, **2022**, 9,	3.9	4
193	Origin of the background absorption in carbon nanotubes: Phonon-assisted excitonic continuum. *Carbon*, **2022**, 186, 465-474	10.4	0
192	Fingerprints of Topotactic Hydrogen in Nickelate Superconductors. *Crystals*, **2022**, 12, 656	2.3	0
191	How correlations change the magnetic structure factor of the kagome Hubbard model. *Physical Review B*, **2021**, 104,	3.3	2
190	Comparing scattering rates from Boltzmann and dynamical mean-field theory. *Physical Review B*, **2021**, 103,	3.3	2
189	Asymmetric interfaces and high-TC ferromagnetic phase in La0.67Ca0.33MnO3/SrRuO3 superlattices. *Nano Research*, **2021**, 14, 3621-3628	10	1
188	Self-consistent ladder dynamical vertex approximation. *Physical Review B*, **2021**, 103,	3.3	7
187	Tiling with triangles: parquet and GW methods unified. *Physical Review Research*, **2021**, 3,	3.9	7
186	Pitfalls and solutions for perovskite transparent conductors. *Physical Review B*, **2021**, 104,	3.3	1
185	Defect-Engineered Dzyaloshinskii-Moriya Interaction and Electric-Field-Switchable Topological Spin Texture in SrRuO. *Advanced Materials*, **2021**, 33, e2102525	24	11
184	Zoology of spin and orbital fluctuations in ultrathin oxide films. *Physical Review B*, **2021**, 104,	3.3	3
183	Numerical solver for the time-dependent far-from-equilibrium Boltzmann equation. *Computer Physics Communications*, **2021**, 264, 107877	4.2	5
182	Broadening and sharpening of the Drude peak through antiferromagnetic fluctuations. *Physical Review B*, **2021**, 104,	3.3	1
181	Truncated unity parquet solver. *Physical Review B*, **2020**, 101,	3.3	22
180	Zero Field Splitting of Heavy-Hole States in Quantum Dots. *Nano Letters*, **2020**, 20, 5201-5206	11.5	4
179	Electric field controllable high-spin SrRuO3 driven by a solid ionic junction. *Physical Review B*, **2020**, 101,	3.3	12

178	Terahertz Excitonics in Carbon Nanotubes: Exciton Autoionization and Multiplication. *Nano Letters*, **2020**, 20, 3098-3105	11.5	13
177	Generic Optical Excitations of Correlated Systems: □tons. *Physical Review Letters*, **2020**, 124, 047401	7.4	22
176	Parquet dual fermion approach for the Falicov-Kimball model. *Physical Review B*, **2020**, 101,	3.3	10
175	Enhancement of impact ionization in Hubbard clusters by disorder and next-nearest-neighbor hopping. *Physical Review B*, **2020**, 102,	3.3	1
174	Robust skyrmion-bubble textures in SrRuO3 thin films stabilized by magnetic anisotropy. *Physical Review Research*, **2020**, 2,	3.9	11
173	High-frequency asymptotics of the vertex function: Diagrammatic parametrization and algorithmic implementation. *Physical Review B*, **2020**, 102,	3.3	26
172	Statistical error estimates in dynamical mean-field theory and extensions thereof. *Physical Review B* , **2020**, 102,	3.3	2
171	Nickelate superconductors□ renaissance of the one-band Hubbard model. *Npj Quantum Materials*, **2020**, 5,	5	52
170	Topotactic Hydrogen in Nickelate Superconductors and Akin Infinite-Layer Oxides ABO_{2}. *Physical Review Letters*, **2020**, 124, 166402	7.4	52
169	Why the critical temperature of high-Tc cuprate superconductors is so low: The importance of the dynamical vertex structure. *Physical Review B*, **2019**, 99,	3.3	28
168	Quantum Criticality in the Two-Dimensional Periodic Anderson Model. *Physical Review Letters*, **2019** , 122, 227201	7.4	10
167	The victory project v1.0: An efficient parquet equations solver. *Computer Physics Communications*, **2019**, 241, 146-154	4.2	17
166	Parquet approximation for molecules: Spectrum and optical conductivity of the Pariser-Parr-Pople model. *Physical Review B*, **2019**, 99,	3.3	12
165	Competition between antiferromagnetic and charge density wave fluctuations in the extended Hubbard model. *Physical Review B*, **2019**, 100,	3.3	8
164	Symmetric improved estimators for continuous-time quantum Monte Carlo. *Physical Review B*, **2019** , 100,	3.3	13
163	The AbinitioD□ Project v1.0: Non-local correlations beyond and susceptibilities within dynamical mean-field theory. *Computer Physics Communications*, **2019**, 245, 106847	4.2	8
162	Electronic and magnetic state of LaMnO3 epitaxially strained on SrTiO3: Effect of local correlation and nonlocal exchange. *Physical Review B*, **2019**, 100,	3.3	6
161	w2dynamics: Local one- and two-particle quantities from dynamical mean field theory. *Computer Physics Communications*, **2019**, 235, 388-399	4.2	51

160	Towards ab initio Calculations with the Dynamical Vertex Approximation. *Journal of the Physical Society of Japan*, **2018**, 87, 041004	1.5	9
159	Impact ionization processes in the steady state of a driven Mott-insulating layer coupled to metallic leads. *Physical Review B*, **2018**, 97,	3.3	13
158	Dynamical Mean Field Theory for Oxide Heterostructures. *Springer Series in Materials Science*, **2018**, 215-243	2.5	
157	Diagrammatic routes to nonlocal correlations beyond dynamical mean field theory. *Reviews of Modern Physics*, **2018**, 90,	40.5	156
156	Importance of Schottky barriers for wide-bandgap thermoelectric devices. *Physical Review Materials*, **2018**, 2,	3.2	1
155	Quantum Boltzmann equation for strongly correlated systems: Comparison to dynamical mean field theory. *Physical Review B*, **2018**, 98,	3.3	19
154	Impact of self-consistency in dual fermion calculations. *Physical Review B*, **2018**, 98,	3.3	6
153	Finite-temperature phase diagram of (111) nickelate bilayers. *Physical Review B*, **2018**, 98,	3.3	5
152	Divergences of the irreducible vertex functions in correlated metallic systems: Insights from the Anderson impurity model. *Physical Review B*, **2018**, 97,	3.3	34
151	Real-space mapping of electronic orbitals. *Ultramicroscopy*, **2017**, 177, 26-29	3.1	8
150	Subpicosecond spin dynamics of excited states in the topological insulator Bi2Te3. *Physical Review B*, **2017**, 95,	3.3	33
149	Ab initio dynamical vertex approximation. *Physical Review B*, **2017**, 95,	3.3	47
148	Thickness Dependent Properties in Oxide Heterostructures Driven by Structurally Induced Metal□Oxygen Hybridization Variations. *Advanced Functional Materials*, **2017**, 27, 1606717	15.6	43
147	Topological Dirac semimetal phase in Pd and Pt oxides. *Physical Review B*, **2017**, 95,	3.3	20
146	Interplay of Correlations and Kohn Anomalies in Three Dimensions: Quantum Criticality with a Twist. *Physical Review Letters*, **2017**, 119, 046402	7.4	26
145	Continuous-time quantum Monte Carlo calculation of multiorbital vertex asymptotics. *Physical Review B*, **2017**, 96,	3.3	27
144	Local correlation functions of arbitrary order for the Falicov-Kimball model. *Physical Review B*, **2017** , 95,	3.3	11
143	Merging GW with DMFT and non-local correlations beyond. *European Physical Journal: Special Topics* , **2017**, 226, 2565-2590	2.3	30

142	Quantum Anomalous Hall State in Ferromagnetic SrRuO_{3} (111) Bilayers. *Physical Review Letters*, **2017**, 119, 026402	7.4	43
141	Local magnetic moments in iron and nickel at ambient and Earth's core conditions. *Nature Communications*, **2017**, 8, 16062	17.4	53
140	Boltzmann approach to high-order transport: The nonlinear and nonlocal responses. *Physical Review B*, **2017**, 95,	3.3	4
139	Mott-Hubbard transition in the mass-imbalanced Hubbard model. *European Physical Journal B*, **2017**, 90, 1	1.2	7
138	Role of three-particle vertex within dual fermion calculations. *Physical Review B*, **2017**, 96,	3.3	17
137	Magnetism in Sr2CrMoO6: A combined ab initio and model study. *Physical Review B*, **2016**, 94,	3.3	19
136	Efficient implementation of the parquet equations: Role of the reducible vertex function and its kernel approximation. *Physical Review B*, **2016**, 93,	3.3	58
135	Momentum structure of the self-energy and its parametrization for the two-dimensional Hubbard model. *Physical Review B*, **2016**, 93,	3.3	15
134	Ultrafast and Gigantic Spin Injection in Semiconductors. *Physical Review Letters*, **2016**, 116, 196601	7.4	35
133	Magnetic Behavior of Volborthite Cu_{3}V_{2}O_{7}(OH)_{2}□2H_{2}O Determined by Coupled Trimers Rather than Frustrated Chains. *Physical Review Letters*, **2016**, 117, 037206	7.4	31
132	Nonlocal correlations and spectral properties of the Falicov-Kimball model. *Physical Review B*, **2016**, 93,	3.3	32
131	Charge self-consistency in density functional theory combined with dynamical mean field theory: k-space reoccupation and orbital order. *Physical Review B*, **2016**, 94,	3.3	22
130	Real-space mapping of electronic orbitals **2016**, 839-840		1
129	Controlled lateral anisotropy in correlated manganite heterostructures by interface-engineered oxygen octahedral coupling. *Nature Materials*, **2016**, 15, 425-31	27	233
128	woptic: Optical conductivity with Wannier functions and adaptive k-mesh refinement. *Computer Physics Communications*, **2016**, 202, 1-11	4.2	10
127	Effective magnetic correlations in hole-doped graphene nanoflakes. *Physical Review B*, **2016**, 94,	3.3	16
126	Electronic structure of CeRu4Sn6: a density functional plus dynamical mean field theory study. *European Physical Journal B*, **2016**, 89, 1	1.2	11
125	Dynamical vertex approximation for the two-dimensional Hubbard model. *Journal of Magnetism and Magnetic Materials*, **2016**, 400, 107-111	2.8	22

124	Worm-improved estimators in continuous-time quantum Monte Carlo. *Physical Review B*, **2016**, 94,	3.3	30
123	Electronics with Correlated Oxides: SrVO(3)/SrTiO(3) as a Mott Transistor. *Physical Review Letters*, **2015**, 114, 246401	7.4	56
122	Fate of the false Mott-Hubbard transition in two dimensions. *Physical Review B*, **2015**, 91,	3.3	96
121	Dynamical vertex approximation in its parquet implementation: Application to Hubbard nanorings. *Physical Review B*, **2015**, 91,	3.3	68
120	Giant Switchable Rashba Effect in Oxide Heterostructures. *Advanced Materials Interfaces*, **2015**, 2, 1400457	4.6	23
119	Route to room-temperature ferromagnetic ultrathin SrRuO3 films. *Physical Review B*, **2015**, 92,	3.3	33
118	Tunable site- and orbital-selective Mott transition and quantum confinement effects in La0.5Ca0.5MnO3 nanoclusters. *Physical Review B*, **2015**, 92,	3.3	13
117	Continuous-time quantum Monte Carlo using worm sampling. *Physical Review B*, **2015**, 92,	3.3	35
116	Screened moments and absence of ferromagnetism in FeAl. *Physical Review B*, **2015**, 92,	3.3	28
115	Unified Picture for the Colossal Thermopower Compound FeSb2. *Physical Review Letters*, **2015**, 114, 236603	7.4	26
114	Surface Effects on the Mott-Hubbard Transition in Archetypal V{2}O{3}. *Physical Review Letters*, **2015**, 115, 236802	7.4	11
113	Efficient DMFT impurity solver using real-time dynamics with matrix product states. *Physical Review B*, **2015**, 92,	3.3	34
112	Momentum-resolved spin dynamics of bulk and surface excited States in the topological insulator Bi(2)Se(3). *Physical Review Letters*, **2015**, 114, 097401	7.4	52
111	Anisotropic two-dimensional electron gas at SrTiO3(110). *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 3933-7	11.5	83
110	From infinite to two dimensions through the functional renormalization group. *Physical Review Letters*, **2014**, 112, 196402	7.4	92
109	Chebyshev expansion for impurity models using matrix product states. *Physical Review B*, **2014**, 90,	3.3	40
108	Double quantum dot as a minimal thermoelectric generator. *Physical Review B*, **2014**, 89,	3.3	33
107	Importance of d Coulomb interaction for high TCcuprates and other oxides. *New Journal of Physics*, **2014**, 16, 033009	2.9	34

106	Role of impact ionization in the thermalization of photoexcited Mott insulators. *Physical Review B*, **2014**, 90,	3.3	42
105	Electronic reconstruction at the isopolar LaTiO(3)/LaFeO(3) interface: an X-ray photoemission and density-functional theory study. *Physical Review Letters*, **2014**, 113, 237402	7.4	47
104	Cubic interaction parameters for t2g Wannier orbitals. *Physical Review B*, **2014**, 90,	3.3	14
103	Physics behind the minimum of relative entropy measures for correlations. *European Physical Journal B*, **2013**, 86, 1	1.2	2
102	Raman-scattering measurements and theory of the energy-momentum spectrum for underdoped Bi2Sr2CaCuO(8+δ) superconductors: evidence of an s-wave structure for the pseudogap. *Physical Review Letters*, **2013**, 111, 107001	7.4	57
101	One-particle irreducible functional approach: A route to diagrammatic extensions of the dynamical mean-field theory. *Physical Review B*, **2013**, 88,	3.3	73
100	Comparing quasiparticle GW+DMFT and LDA+DMFT for the test bed material SrVO3. *Physical Review B*, **2013**, 88,	3.3	46
99	Oxide heterostructures for efficient solar cells. *Physical Review Letters*, **2013**, 110, 078701	7.4	92
98	Poor man's understanding of kinks originating from strong electronic correlations. *Physical Review Letters*, **2013**, 110, 246402	7.4	28
97	Double exchange model for nanoscopic clusters. *European Physical Journal B*, **2013**, 86, 1	1.2	4
96	Theory of spin-orbit coupling at LaAlO3/SrTiO3 interfaces and SrTiO3 surfaces. *Physical Review B*, **2013**, 87,	3.3	252
95	Quantum confinement in perovskite oxide heterostructures: Tight binding instead of a nearly free electron picture. *Physical Review B*, **2013**, 88,	3.3	26
94	Anisotropic optical conductivity of the putative Kondo insulator CeRu4Sn6. *Physical Review B*, **2013**, 87,	3.3	22
93	Effective crystal field and Fermi surface topology: A comparison of d- and dp-orbital models. *Physical Review B*, **2013**, 88,	3.3	29
92	Mott–Hubbard transition in V2O3 revisited. *Physica Status Solidi (B): Basic Research*, **2013**, 250, 1251-1264	1.3	50
91	Dipole matrix element approach versus Peierls approximation for optical conductivity. *Physical Review B*, **2012**, 85,	3.3	14
90	Das et al. Reply:. *Physical Review Letters*, **2012**, 108,	7.4	3
89	Quantum dynamical screening of the local magnetic moment in Fe-based superconductors. *Physical Review B*, **2012**, 86,	3.3	54

88	Conserved quantities of SU(2)-invariant interactions for correlated fermions and the advantages for quantum Monte Carlo simulations. *Physical Review B*, **2012**, 86,	3.3	65
87	Microscopic understanding of the orbital splitting and its tuning at oxide interfaces. *Europhysics Letters*, **2012**, 99, 37011	1.6	19
86	Correlation effects in transport properties of interacting nanostructures. *Physical Review B*, **2012**, 86,	3.3	19
85	Enhancement of the effective disorder potential and thermopower in NaxCoO2 through electron-phonon coupling. *Physical Review B*, **2012**, 86,	3.3	6
84	Cluster-size dependence in cellular dynamical mean-field theory. *Physical Review B*, **2012**, 85,	3.3	42
83	Effective on-site interaction for dynamical mean-field theory. *Physical Review B*, **2012**, 86,	3.3	47
82	Atomic and itinerant effects at the transition-metal x-ray absorption K pre-edge exemplified in the case of V2O3. *Physical Review B*, **2012**, 85,	3.3	11
81	Kinks in the periodic Anderson model. *Physical Review B*, **2012**, 86,	3.3	6
80	Signature of antiferromagnetic long-range order in the optical spectrum of strongly correlated electron systems. *Physical Review B*, **2012**, 85,	3.3	36
79	Evolution of the electronic structure of a Mott system across its phase diagram: X-ray absorption spectroscopy study of (V1⊠Crx)2O3. *Physical Review B*, **2011**, 84,	3.3	18
78	Ab initio calculations with the dynamical vertex approximation. *Annalen Der Physik*, **2011**, 523, 698-705	2.6	28
77	Size control of charge-orbital order in half-doped manganite La0.5Ca0.5MnO3. *Physical Review Letters*, **2011**, 107, 197202	7.4	38
76	Orbital characters of three-dimensional Fermi surfaces in Eu2⊠SrxNiO4 as probed by soft-x-ray angle-resolved photoemission spectroscopy. *Physical Review B*, **2011**, 84,	3.3	9
75	Effects of electronic correlations and disorder on the thermopower of NaxCoO2. *Physical Review B*, **2011**, 84,	3.3	17
74	Pseudogap of metallic layered nickelate R(2-x)Sr(x)NiO4 (R = Nd, Eu) crystals measured using angle-resolved photoemission spectroscopy. *Physical Review Letters*, **2011**, 106, 027001	7.4	42
73	Critical properties of the half-filled Hubbard model in three dimensions. *Physical Review Letters*, **2011**, 107, 256402	7.4	82
72	High-temperature optical spectral weight and fermi-liquid renormalization in bi-based cuprate superconductors. *Physical Review Letters*, **2010**, 105, 077002	7.4	18
71	Electronic structure of nickelates: From two-dimensional heterostructures to three-dimensional bulk materials. *Physical Review B*, **2010**, 82,	3.3	58

70	Enhancement of the NaxCoO2 thermopower due to electronic correlations. *Physical Review B*, **2010**, 82,	3.3	23
69	Dynamical vertex approximation for nanoscopic systems. *Physical Review Letters*, **2010**, 104, 246402	7.4	46
68	Dichotomy between large local and small ordered magnetic moments in iron-based superconductors. *Physical Review Letters*, **2010**, 104, 197002	7.4	100
67	A microscopic view on the Mott transition in chromium-doped V(2)O(3). *Nature Communications*, **2010**, 1, 105	17.4	101
66	Spectral properties of the Mott Hubbard insulator (Cr0.011V0.989)2O3calculated by LDA+DMFT. *Journal of Physics: Conference Series*, **2010**, 200, 012208	0.3	2
65	Dynamical mean field theory for manganites. *Physical Review B*, **2010**, 82,	3.3	3
64	Inequivalent routes across the Mott transition in V2O3 explored by X-ray absorption. *Physical Review Letters*, **2010**, 104, 047401	7.4	59
63	Kinks: Fingerprints of strong electronic correlations. *Journal of Physics: Conference Series*, **2010**, 200, 012207	0.3	4
62	Wien2wannier: From linearized augmented plane waves to maximally localized Wannier functions. *Computer Physics Communications*, **2010**, 181, 1888-1895	4.2	312
61	Comparing pertinent effects of antiferromagnetic fluctuations in the two- and three-dimensional Hubbard model. *Physical Review B*, **2009**, 80,	3.3	100
60	Pressure and alloying effects on the metal to insulator transition in NiS2□Sex studied by infrared spectroscopy. *Physical Review B*, **2009**, 80,	3.3	30
59	Turning a nickelate Fermi surface into a cupratelike one through heterostructuring. *Physical Review Letters*, **2009**, 103, 016401	7.4	200
58	The LDA+DMFT Route to Identify Good Thermoelectrics. *NATO Science for Peace and Security Series B: Physics and Biophysics*, **2009**, 141-157	0.2	6
57	Kinks in the electronic specific heat. *Physical Review Letters*, **2009**, 102, 076402	7.4	26
56	Electronic correlations in V2O3studied with K-edge X-ray absorption spectroscopy. *Journal of Physics: Conference Series*, **2009**, 190, 012092	0.3	1
55	Quasiparticle evolution and pseudogap formation in V2O3: An infrared spectroscopy study. *Physical Review B*, **2008**, 77,	3.3	71
54	Bandstructure meets many-body theory: the LDA+DMFT method. *Journal of Physics Condensed Matter*, **2008**, 20, 064202	1.8	25
53	Correlated electron tunneling through two separate quantum dot systems with strong capacitive interdot coupling. *Physical Review Letters*, **2008**, 101, 186804	7.4	59

52	Dynamical Vertex Approximation. *Progress of Theoretical Physics Supplement*, **2008**, 176, 117-133		56
51	Origin of large thermopower in LiRh2O4: Calculation of the Seebeck coefficient by the combination of local density approximation and dynamical mean-field theory. *Physical Review B*, **2008**, 78,	3.3	42
50	Design of a d(1)-analogue of cuprates: Sr(2)VO(4) and Ba(2)VO(4) under pressure. *Journal of Physics Condensed Matter*, **2007**, 19, 365204	1.8	4
49	Dynamical vertex approximation: A step beyond dynamical mean-field theory. *Physical Review B*, **2007**, 75,	3.3	262
48	Kinks in the dispersion of strongly correlated electrons. *Nature Physics*, **2007**, 3, 168-171	16.2	157
47	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	2.8	
46	Localization of strongly correlated electrons as Jahn-Teller polarons in manganites. *Physical Review B*, **2007**, 76,	3.3	14
45	Doped Mott insulator as the origin of heavy-fermion behavior in LiV2O4. *Physical Review Letters*, **2007**, 98, 166402	7.4	50
44	Sr2VO4 and Ba2VO4 under pressure: An orbital switch and potential d1 superconductor. *Physical Review B*, **2007**, 75,	3.3	25
43	Electronic structure calculations using dynamical mean field theory. *Advances in Physics*, **2007**, 56, 829-926	18.4	315
42	Pressure-induced metal-insulator transition in LaMnO3 is not of Mott-Hubbard type. *Physical Review Letters*, **2006**, 96, 166401	7.4	78
41	Feldbacher, Held, and Assad Reply:. *Physical Review Letters*, **2006**, 96,	7.4	6
40	Quantum Monte Carlo study for multiorbital systems with preserved spin and orbital rotational symmetries. *Physical Review B*, **2006**, 74,	3.3	37
39	Static versus dynamical mean-field theory of Mott antiferromagnets. *Physical Review B*, **2006**, 73,	3.3	59
38	Crossover from d-wave to p-wave pairing in the t□? Hubbard model at zero temperature. *Physical Review B*, **2006**, 73,	3.3	7
37	Momentum-resolved spectral functions of SrVO3 calculated by LDA+DMFT. *Physical Review B*, **2006**, 73,	3.3	95
36	Realistic investigations of correlated electron systems with LDA + DMFT. *Physica Status Solidi (B): Basic Research*, **2006**, 243, 2599-2631	1.3	148
35	Comparative study of correlation effects in CaVO3 and SrVO3. *Physical Review B*, **2005**, 72,	3.3	88

34	Mott–Hubbard transition in d=∞ revisited by projective quantum Monte Carlo simulations. *Physica B: Condensed Matter*, **2005**, 359-361, 654-656	2.8	
33	Two aspects of the Mott–Hubbard transition in Cr-doped. *Physica B: Condensed Matter*, **2005**, 359-361, 642-644	2.8	4
32	Nonequilibrium transport through parallel double quantum dots in the Kondo regime. *Physical Review B*, **2005**, 72,	3.3	3
31	Orbital-selective Mott-Hubbard transition in the two-band Hubbard model. *Physical Review B*, **2005**, 72,	3.3	64
30	Dynamical Mean-Field Theory and Its Applications to Real Materials. *Journal of the Physical Society of Japan*, **2005**, 74, 136-146	1.5	16
29	Filling of the mott-hubbard gap in the high temperature photoemission spectrum of (V0.972Cr0.028)2O3. *Physical Review Letters*, **2004**, 93, 076404	7.4	30
28	Electronic structure of paramagnetic V2O3: Strongly correlated metallic and Mott insulating phase. *Physical Review B*, **2004**, 70,	3.3	98
27	Projective quantum monte carlo method for the anderson impurity model and its application to dynamical mean field theory. *Physical Review Letters*, **2004**, 93, 136405	7.4	27
26	Mutual experimental and theoretical validation of bulk photoemission spectra of Sr1-xCaxVO3. *Physical Review Letters*, **2004**, 93, 156402	7.4	177
25	Phase relaxation of one-particle states in closed quantum dots. *Chaos, Solitons and Fractals*, **2003**, 16, 417-429	9.3	2
24	Prominent quasiparticle peak in the photoemission spectrum of the metallic phase of V2O3. *Physical Review Letters*, **2003**, 90, 186403	7.4	130
23	Thermodynamic and spectral properties of compressed Ce calculated using a combined local-density approximation and dynamical mean-field theory. *Physical Review B*, **2003**, 67,	3.3	105
22	Orbital state and magnetic properties of LiV2O4. *Physical Review B*, **2003**, 67,	3.3	35
21	Random matrix theory for closed quantum dots with weak spin-orbit coupling. *Physical Review Letters*, **2003**, 90, 106802	7.4	10
20	Metal-Insulator Transitions and Realistic Modelling of Correlated Electron Systems **2003**, 217-226		
19	Dephasing times in closed quantum dots. *Physical Review Letters*, **2002**, 88, 136801	7.4	22
18	Effect of spectral fluctuations on conductance-peak height statistics in quantum dots. *Physical Review B*, **2002**, 66,	3.3	6
17	REALISTIC MODELING OF STRONGLY CORRELATED ELECTRON SYSTEMS: AN INTRODUCTION TO THE LDA+DMFT APPROACH. *International Journal of Modern Physics B*, **2001**, 15, 2611-2625	1.1	76

16	Cerium volume collapse: results from the merger of dynamical mean-field theory and local density approximation. *Physical Review Letters*, **2001**, 87, 276404	7.4	155
15	Mott-hubbard metal-insulator transition in paramagnetic V2O3: an LDA+DMFT(QMC) study. *Physical Review Letters*, **2001**, 86, 5345-8	7.4	211
14	Metallic Ferromagnetism An Electronic Correlation Phenomenon. *Lecture Notes in Physics*, **2001**, 191-207	0.8	6
13	Calculation of photoemission spectra of the doped Mott insulator using LDA+DMFT(QMC). *European Physical Journal B*, **2000**, 18, 55-61	1.2	60
12	Similarities between the hubbard and periodic anderson models at finite temperatures. *Physical Review Letters*, **2000**, 85, 373-6	7.4	48
11	Mott transition of the f-electron system in the periodic Anderson model with nearest neighbor hybridization. *European Physical Journal B*, **2000**, 17, 7-10	1.2	23
10	Electronic correlations in manganites. *Physical Review Letters*, **2000**, 84, 5168-71	7.4	57
9	Metallic ferromagnetism: Progress in our understanding of an old strong-coupling problem. *Festkperprobleme*, **1999**, 383-396		54
8	Microscopic conditions favoring itinerant ferromagnetism: Hund rule coupling and orbital degeneracy. *European Physical Journal B*, **1998**, 5, 473-478	1.2	122
7	Microscopic conditions favoring itinerant ferromagnetism. *Physical Review B*, **1998**, 58, 12749-12757	3.3	90
6	Markov random field segmentation of brain MR images. *IEEE Transactions on Medical Imaging*, **1997**, 16, 878-86	11.7	300
5	Correlated-electron theory of strongly anisotropic metamagnets. *Physical Review B*, **1997**, 56, 14469-14480	3.3	32
4	CORRELATED-ELECTRON THEORY OF METAMAGNETISM IN STRONGLY ANISOTROPIC ANTIFERROMAGNETS. *Modern Physics Letters B*, **1996**, 10, 203-210	1.6	11
3	Non-perturbative approaches to magnetism in strongly correlated electron systems. *Zeitschrift F Physik B-Condensed Matter*, **1996**, 103, 283-292		68
2	Nanosession: 2D Electron Systems - Atomic Configurations69-80		
1	Toward Functionalized Ultrathin Oxide Films: The Impact of Surface Apical Oxygen. *Advanced Electronic Materials*,2101006	6.4	0