Hideo Aoki

List of Publications by Year in Descending Order

349 papers	13,276 citations	52 h-index	106 g-index
369 ext. papers	14,625 ext. citations	3.8 avg, IF	6.55 L-index

#	Paper	IF	Citations
349	Robust zero modes in disordered two-dimensional honeycomb lattice with Kekul bond ordering. *Annals of Physics*, **2021**, 168440	2.5	0
348	Theoretical Possibilities for Flat Band Superconductivity. *Journal of Superconductivity and Novel Magnetism*, **2020**, 33, 2341-2346	1.5	15
347	Superconducting mechanism for the cuprate Ba2CuO3+ based on a multiorbital Lieb lattice model. *Physical Review Research*, **2020**, 2,	3.9	4
346	Optical imprinting of superlattices in two-dimensional materials. *Physical Review Research*, **2020**, 2,	3.9	5
345	Pairing and non-Fermi liquid behavior in partially flat-band systems: Beyond nesting physics. *Physical Review B*, **2020**, 101,	3.3	10
344	Model Construction and a Possibility of Cupratelike Pairing in a New d^{9} Nickelate Superconductor (Nd,Sr)NiO_{2}. *Physical Review Letters*, **2020**, 125, 077003	7.4	64
343	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
342	Topologically Protected Doubling of Tilted Dirac Fermions in Two Dimensions. *Physica Status Solidi (B): Basic Research*, **2019**, 256, 1800524	1.3	2
341	Fast split operator method for computation of time dependent quantum states of bilayer graphene in a magnetic field. *Physica E: Low-Dimensional Systems and Nanostructures*, **2019**, 112, 66-70	3	1
340	Momentum-dependent relaxation dynamics of the doped repulsive Hubbard model. *Physical Review B*, **2019**, 99,	3.3	1
339	Three-dimensional porous graphene networks expand graphene-based electronic device applications. *Physical Chemistry Chemical Physics*, **2018**, 20, 6024-6033	3.6	31
338	Higgs Mode in the d-Wave Superconductor Bi_{2}Sr_{2}CaCu_{2}O_{8+x} Driven by an Intense Terahertz Pulse. *Physical Review Letters*, **2018**, 120, 117001	7.4	45
337	Superconductivity arising from layer differentiation in multilayer cuprates. *Physical Review B*, **2018**, 98,	3.3	3
336	Interplay of Pomeranchuk instability and superconductivity in the two-dimensional repulsive Hubbard model. *Physical Review B*, **2017**, 95,	3.3	18
335	Theory of light-induced resonances with collective Higgs and Leggett modes in multiband superconductors. *Physical Review B*, **2017**, 95,	3.3	26
334	New class of flat-band models on tetragonal and hexagonal lattices: Gapped versus crossing flat bands. *Physical Review B*, **2017**, 96,	3.3	25
333	Polarization-resolved terahertz third-harmonic generation in a single-crystal superconductor NbN: Dominance of the Higgs mode beyond the BCS approximation. *Physical Review B*, **2017**, 96,	3.3	42

332	Possible high-Tc superconductivity due to incipient narrow bands originating from hidden ladders in Ruddlesden-Popper compounds. *Physical Review B*, **2017**, 96,	3.3	14
331	Probing and controlling spin chirality in Mott insulators by circularly polarized laser. *Physical Review B*, **2017**, 96,	3.3	31
330	First-principles design of a half-filled flat band of the kagome lattice in two-dimensional metal-organic frameworks. *Physical Review B*, **2016**, 94,	3.3	44
329	Multiple amplitude modes in strongly coupled phonon-mediated superconductors. *Physical Review B*, **2016**, 93,	3.3	35
328	Dirac electrons on three-dimensional graphitic zeolites: A scalable mass gap. *Physical Review B*, **2016**, 93,	3.3	7
327	Brillouin-Wigner theory for high-frequency expansion in periodically driven systems: Application to Floquet topological insulators. *Physical Review B*, **2016**, 93,	3.3	149
326	pairing superfluid in periodically-driven fermionic Hubbard model with strong attraction. *Physical Review B*, **2016**, 94,	3.3	26
325	Damping of the collective amplitude mode in superconductors with strong electron-phonon coupling. *Physical Review B*, **2016**, 94,	3.3	14
324	Lattice realization of the generalized chiral symmetry in two dimensions. *Physical Review B*, **2016**, 94,	3.3	7
323	Nonlinear light–Higgs coupling in superconductors beyond BCS: Effects of the retarded phonon-mediated interaction. *Physical Review B*, **2016**, 94,	3.3	24
322	Superconductivity in repulsively interacting fermions on a diamond chain: Flat-band-induced pairing. *Physical Review B*, **2016**, 94,	3.3	44
321	Electric Properties of Dirac Fermions Captured into 3D Nanoporous Graphene Networks. *Advanced Materials*, **2016**, 28, 10304-10310	24	30
320	Flat bands in the Weaire–Thorpe model and silicene. *New Journal of Physics*, **2015**, 17, 025009	2.9	14
319	Survival of sharp n=0 Landau levels in massive tilted Dirac fermions: Role of the generalized chiral operator. *Physical Review B*, **2015**, 91,	3.3	6
318	Interaction quench in the Holstein model: Thermalization crossover from electron- to phonon-dominated relaxation. *Physical Review B*, **2015**, 91,	3.3	49
317	Theory of Anderson pseudospin resonance with Higgs mode in superconductors. *Physical Review B*, **2015**, 92,	3.3	72
316	Interaction-Driven Topological Insulator in Fermionic Cold Atoms on an Optical Lattice: A Design with a Density Functional Formalism. *Physical Review Letters*, **2015**, 115, 045304	7.4	7
315	Terahertz Dynamics of a Topologically Protected State: Quantum Hall Effect Plateaus near the Cyclotron Resonance of a Two-Dimensional Electron Gas. *Physical Review Letters*, **2015**, 115, 247401	7.4	6

314	FLEX+DMFT approach to the d-wave superconducting phase diagram of the two-dimensional Hubbard model. *Physical Review B*, **2015**, 92,	3.3	34
313	Electronic structure of helicoidal graphene: Massless Dirac particles on a curved surface with a screw symmetry. *Physical Review B*, **2015**, 92,	3.3	5
312	Nonequilibrium dynamical cluster theory. *Physical Review B*, **2014**, 90,	3.3	16
311	Nonequilibrium dynamical mean-field theory and its applications. *Reviews of Modern Physics*, **2014**, 86, 779-837	40.5	390
310	Polarization as a topological quantum number in graphene. *Physical Review B*, **2014**, 90,	3.3	2
309	Light-induced collective pseudospin precession resonating with Higgs mode in a superconductor. *Science*, **2014**, 345, 1145-9	33.3	253
308	Orbital mixture effect on the Fermi-surface□c correlation in the cuprate superconductors: Bilayer vs. single layer. *Physical Review B*, **2014**, 89,	3.3	25
307	Theoretical Study of the Chemical Pressure Effect on Tc in the Cuprate Superconductors. *Physics Procedia*, **2014**, 58, 34-37		
306	Magnetization and phase transition induced by circularly polarized laser in quantum magnets. *Physical Review B*, **2014**, 90,	3.3	36
305	Supersolid phase accompanied by a quantum critical point in the intermediate coupling regime of the Holstein model. *Physical Review Letters*, **2014**, 113, 266404	7.4	8
304	Pressure Effects and Orbital Characters in Cuprate and Carbon-Based Superconductors. *Journal of Superconductivity and Novel Magnetism*, **2014**, 27, 995-1001	1.5	5
303	Dynamical Mean-Field Analysis of Ordered Phases in the Half-Filled Holstein-Hubbard Model **2014**,		1
302	Magnetic-field-controlled vacuum charge in graphene quantum dots with a mass gap. *Physical Review B*, **2013**, 88,	3.3	8
301	Three-orbital Study on the Orbital Distillation Effect in the High Tc Cuprates. *Physics Procedia*, **2013**, 45, 13-16		5
300	Ordered phases in the Holstein-Hubbard model: Interplay of strong Coulomb interaction and electron-phonon coupling. *Physical Review B*, **2013**, 88,	3.3	47
299	Supersolid states in a spin system: Phase diagram and collective excitations. *Physical Review B*, **2013**, 88,	3.3	14
298	Spin-resolved chiral condensate as a spin-unpolarized □0 quantum Hall state in graphene. *Physical Review B*, **2013**, 88,	3.3	2
297	Quantum Faraday and Kerr rotations in graphene. *Nature Communications*, **2013**, 4, 1841	17.4	126

296	Superconductivity assisted by interlayer pair hopping in multilayered cuprates. *Physical Review B*, **2013**, 88,	3.3	18
295	Phase diagram and pair Tomonaga-Luttinger liquid in a Bose-Hubbard model with flat bands. *Physical Review A*, **2013**, 88,	2.6	50
294	Chiral symmetry and its manifestation in optical responses in graphene: interaction and multilayers. *New Journal of Physics*, **2013**, 15, 035023	2.9	14
293	Theory for optical Hall conductivity in the trilayer graphene in the quantum Hall regime. *Journal of Physics: Conference Series*, **2013**, 456, 012028	0.3	
292	Stability of zero-mode Landau levels in bilayer graphene against disorder in the presence of the trigonal warping. *Journal of Physics: Conference Series*, **2013**, 456, 012020	0.3	2
291	First-principles band structure and FLEX approach to the pressure effect onTcof the cuprate superconductors. *Journal of Physics: Conference Series*, **2013**, 454, 012021	0.3	6
290	Chiral Symmetry and Many-Body Effect in Multilayer Graphene. *Journal of Physics: Conference Series* , **2013**, 456, 012013	0.3	
289	Magnetic field induced rearrangement of the vacuum charge in a graphene quantum dot with a mass gap. *Journal of Physics: Conference Series*, **2013**, 456, 012026	0.3	2
288	Chiral condensate with topological degeneracy in graphene and its manifestation in edge states. *Physical Review B*, **2012**, 86,	3.3	8
287	Accessing surface Brillouin zone and band structure of picene single crystals. *Physical Review Letters*, **2012**, 108, 226401	7.4	52
286	Faraday rotation in bilayer and trilayer graphene in the quantum Hall regime. *Physical Review B*, **2012**, 86,	3.3	21
285	Synthesis and physical properties of metal-doped picene solids. *Physical Review B*, **2012**, 86,	3.3	51
284	Repulsion-to-attraction transition in correlated electron systems triggered by a monocycle pulse. *Physical Review B*, **2012**, 85,	3.3	40
283	A Perspective of Superconductivity as Multiband Phenomena: Cuprate, Iron, and Aromatic Systems. *Journal of Superconductivity and Novel Magnetism*, **2012**, 25, 1243-1247	1.5	10
282	Topologically protected Landau levels in bilayer graphene in finite electric fields. *Physical Review B*, **2012**, 85,	3.3	6
281	Spin Hall effect in iron-based superconductors: A Dirac-point effect. *Physical Review B*, **2012**, 86,	3.3	12
280	Origin of the material dependence of Tc in the single-layered cuprates. *Physical Review B*, **2012**, 85,	3.3	68
279	Two-parameter flow of □x()1-□y()1for the graphene quantum Hall system in the ac regime. *Physical Review B*, **2012**, 85,	3.3	4

278	Magneto-orbital effect without spin-orbit interactions in a noncentrosymmetric zeolite-templated carbon structure. *Physical Review B*, **2012**, 86,	3.3	10
277	Multiorbital analysis of the effects of uniaxial and hydrostatic pressure on Tc in the single-layered cuprate superconductors. *Physical Review B*, **2012**, 86,	3.3	29
276	Temperature-dependent magnetotransport around □1/2 in ZnO heterostructures. *Physical Review Letters*, **2012**, 108, 186803	7.4	29
275	Two-orbital view on the origin of the material dependence of Tc in the single-layer cuprates. *Journal of Physics: Conference Series*, **2012**, 400, 022100	0.3	0
274	Chiral Symmetry and Electron-Electron Interaction in Many-Body Gap Formation in Graphene. *Journal of Physics: Conference Series*, **2012**, 400, 042015	0.3	
273	Flow diagram of the longitudinal and Hall conductivities in ac regime in the disordered graphene quantum Hall system. *Journal of Physics: Conference Series*, **2012**, 400, 042047	0.3	
272	GENERALIZATION OF CHIRAL SYMMETRY FOR TILTED DIRAC CONES. *International Journal of Modern Physics Conference Series*, **2012**, 11, 145-150	0.7	8
271	Edge states in graphene quantum Hall system with bond vs potential disorder. *Journal of Physics: Conference Series*, **2011**, 334, 012043	0.3	
270	Manipulation of the Dirac cones and the anomaly in the graphene related quantum Hall effect. *Journal of Physics: Conference Series*, **2011**, 334, 012044	0.3	16
269	Dynamical scaling analysis of the optical Hall conductivity in the graphene quantum Hall system with various types of disorder. *Journal of Physics: Conference Series*, **2011**, 334, 012045	0.3	
268	Entanglemet entropy of the bond order phase in graphene in magnetic fields **2011**,		2
267	Discovery of superconductivity in KTaO□ by electrostatic carrier doping. *Nature Nanotechnology*, **2011**, 6, 408-12	28.7	323
266	Metal-intercalated aromatic hydrocarbons: a new class of carbon-based superconductors. *Physical Chemistry Chemical Physics*, **2011**, 13, 16476-93	3.6	183
265	Dynamical band flipping in fermionic lattice systems: an ac-field-driven change of the interaction from repulsive to attractive. *Physical Review Letters*, **2011**, 106, 236401	7.4	96
264	Phase-separated ferromagnetism in a spin-imbalanced system of Fermi atoms loaded in an optical ladder: A density-matrix renormalization-group study. *Physical Review A*, **2011**, 83,	2.6	10
263	Collective modes in multiband superfluids and superconductors: Multiple dynamical classes. *Physical Review B*, **2011**, 83,	3.3	28
262	Generalized chiral symmetry and stability of zero modes for tilted Dirac cones. *Physical Review B*, **2011**, 83,	3.3	24
261	Ab initio electronic structure of solid coronene: Differences from and commonalities to picene. *Physical Review B*, **2011**, 84,	3.3	34

260	First-principles structural optimization and electronic structure of the superconductor picene for various potassium doping levels. *Physical Review B*, **2011**, 84,	3.3	54
259	All Optical Measurement Proposed for the Photovoltaic Hall Effect. *Journal of Physics: Conference Series*, **2011**, 334, 012060	0.3	10
258	Integer Quantum Hall Effect **2011**, 175-209		2
257	Topological Properties of Graphene and Photo-induced Effects. *Hyomen Kagaku*, **2011**, 32, 196-201		
256	Spin-density-functional study of the organic polymer dimethylaminopyrrole: A realization of the organic periodic Anderson model. *Physical Review B*, **2010**, 82,	3.3	9
255	Half-integer contributions to the quantum Hall conductivity from single Dirac cones. *Physical Review B*, **2010**, 82,	3.3	39
254	Two-orbital model explains the higher transition temperature of the single-layer Hg-cuprate superconductor compared to that of the La-cuprate superconductor. *Physical Review Letters*, **2010**, 105, 057003	7.4	120
253	Dynamical scaling analysis of the optical Hall conductivity in the quantum Hall regime. *Physical Review B*, **2010**, 82,	3.3	11
252	Anomalous criticality at the n=0 quantum Hall transition in graphene: The role of disorder preserving chiral symmetry. *Physical Review B*, **2010**, 82,	3.3	8
251	Optical Hall effect in the integer quantum Hall regime. *Physical Review Letters*, **2010**, 104, 256802	7.4	71
250	Dielectric breakdown in a Mott insulator: Many-body Schwinger-Landau-Zener mechanism studied with a generalized Bethe ansatz. *Physical Review B*, **2010**, 81,	3.3	42
249	Nonequilibrium superconducting and magnetic phases in a correlated electron system coupled to electrodes. *Physical Review B*, **2010**, 82,	3.3	3
248	Tight-binding photonic bands in metallophotonic waveguide networks and flat bands in kagome lattices. *Physical Review B*, **2010**, 81,	3.3	27
247	Proposal for a magnetic field induced graphene dot. *Journal of Physics: Conference Series*, **2010**, 245, 012030	0.3	10
246	Photovoltaic Berry curvature in the honeycomb lattice. *Journal of Physics: Conference Series*, **2010**, 200, 062017	0.3	5
245	Nonequilibrium steady states in correlated electron systems Photoinduced insulator-metal transition and optical response. *Journal of Physics: Conference Series*, **2010**, 200, 012212	0.3	
244	Pnictogen height as a switch between high-Tc nodeless and low-Tc nodal pairings in the iron-based superconductors. *Physica C: Superconductivity and Its Applications*, **2010**, 470, S416-S417	1.3	
243	Non-equilibrium superconductivity in a correlated electron system studied with the Keldysh + FLEX approach. *Physica C: Superconductivity and Its Applications*, **2010**, 470, S928-S929	1.3	1

242	Functional renormalization group beyond the static approximation and its application to the two-dimensional Hubbard model. *Physica C: Superconductivity and Its Applications*, **2010**, 470, S35-S36	1.3	
241	Landau level broadening in graphene with long-range disorder: Robustness of the n=0 level. *Physica E: Low-Dimensional Systems and Nanostructures*, **2010**, 42, 759-762	3	6
240	Optical Hall conductivity in 2DEG and graphene QHE systems. *Physica E: Low-Dimensional Systems and Nanostructures*, **2010**, 42, 751-754	3	7
239	Realistic model of a vertical pillar quantum dot: Analysis of individual dot data. *Physical Review B*, **2009**, 79,	3.3	7
238	Nonequilibrium steady state of photoexcited correlated electrons in the presence of dissipation. *Physical Review Letters*, **2009**, 103, 047403	7.4	87
237	Quantum Hall plateau transition in graphene with spatially correlated random hopping. *Physical Review Letters*, **2009**, 103, 156804	7.4	33
236	First-Principles Electronic Structure of Solid Picene. *Journal of the Physical Society of Japan*, **2009**, 78, 113704	1.5	72
235	Model construction and pairing symmetry for the iron-based oxypnictides. *Physica C: Superconductivity and Its Applications*, **2009**, 469, 890-893	1.3	1
234	Unconventional superconductivity originating from disconnected Fermi surfaces in the iron-based compound. *Physica B: Condensed Matter*, **2009**, 404, 700-705	2.8	5
233	Unconventional pairing originating from disconnected Fermi surfaces in the iron-based superconductor. *Physica C: Superconductivity and Its Applications*, **2009**, 469, 635-639	1.3	11
232	Photovoltaic Hall effect in graphene. *Physical Review B*, **2009**, 79,	3.3	751
231	Optical Hall conductivity in ordinary and graphene quantum Hall systems. *Physical Review Letters*, **2009**, 103, 116803	7.4	96
230	Pnictogen height as a possible switch between high-Tc nodeless and low-Tc nodal pairings in the iron-based superconductors. *Physical Review B*, **2009**, 79,	3.3	580
229	Unconventional pairing originating from disconnected Fermi surfaces in the iron-based superconductor. *New Journal of Physics*, **2009**, 11, 025017	2.9	15
228	Photoinduced insulator-metal transition and nonlinear optical response of correlated electrons: DMFT analysis. *Journal of Physics: Conference Series*, **2009**, 148, 012058	0.3	
227	Photo-induced Hall Effect in graphene: effect of boundary types. *Journal of Physics: Conference Series*, **2009**, 148, 012061	0.3	5
226	Cyclotron radiation and emission in graphene: possibility of Landau-level laser. *Journal of Physics: Conference Series*, **2009**, 150, 022059	0.3	9
225	Non-equilibrium dynamics in Mott-to-superfluid transition in Bose-Einstein condensation in optical lattices. *Journal of Physics: Conference Series*, **2009**, 150, 032077	0.3	1

224	An improved alogorithm for the functional renormalization group and its application to the 2D Hubbard model. *Journal of Physics: Conference Series*, **2009**, 150, 052261	0.3	1
223	Photo-induced metallic liquid in a one-dimensional Mott insulator in AC fields. *Journal of Physics: Conference Series*, **2009**, 150, 042152	0.3	
222	Optical Hall conductivity in QHE systems. *Journal of Physics: Conference Series*, **2009**, 150, 022060	0.3	3
221	Edge states for the n = 0 Laudau level in graphene. *Journal of Physics: Conference Series*, **2009**, 150, 022003	0.3	7
220	Minimal model for study on Superconductivity in LaFeAsO1-xFxbased onab-initiodownfolding. *Journal of Physics: Conference Series*, **2009**, 150, 052010	0.3	4
219	Non-equilibrium dynamics in Mott-to-superfluid transition in Bose-Einstein condensation in optical lattices. *Journal of Physics: Conference Series*, **2009**, 150, 032007	0.3	7
218	Nonequilibrium Quantum Breakdown in a Strongly Correlated Electron System. *Lecture Notes in Physics*, **2009**, 1-35	0.8	5
217	Electric-field-induced superconductivity in an insulator. *Nature Materials*, **2008**, 7, 855-8	27	758
216	Unconventional pairing originating from the disconnected Fermi surfaces of superconducting LaFeAsO1-xFx. *Physical Review Letters*, **2008**, 101, 087004	7.4	1433
215	Cyclotron radiation and emission in graphene. *Physical Review B*, **2008**, 78,	3.3	53
214	Correlated electron systems periodically driven out of equilibrium: Floquet+DMFT formalism. *Physical Review B*, **2008**, 78,	3.3	112
213	Electronic Structure and Electron Correlation in LaFeAsO1-xFx and LaFePO1-xFx. *Journal of the Physical Society of Japan*, **2008**, 77, 093714	1.5	82
212	Photoinduced Tomonaga-Luttinger-like liquid in a Mott insulator. *Physical Review B*, **2008**, 78,	3.3	19
211	Edge states in graphene in magnetic fields: A specialty of the edge mode embedded in the n=0 Landau band. *Physical Review B*, **2008**, 78,	3.3	23
210	Unconventional Superconductivity Originating from Disconnected Fermi Surfaces in the Iron-Based Oxypnictide. *Journal of the Physical Society of Japan*, **2008**, 77, 96-98	1.5	2
209	Photoemission Study of the Electronic Structure of LaFeAsO1-xFxand LaFePO1-xFx. *Journal of the Physical Society of Japan*, **2008**, 77, 69-71	1.5	2
208	Landau quantization of graphene including diamagnetic shift and shrinkage of wave function. *Physica E: Low-Dimensional Systems and Nanostructures*, **2008**, 40, 1354-1356	3	3
207	Topological low-energy modes in Landau levels of graphene: A possibility of a quantum-liquid ground state. *Physica E: Low-Dimensional Systems and Nanostructures*, **2008**, 40, 1530-1532	3	9

206	Topological Aspects of Quantum Hall Effect in Graphene. *International Journal of Modern Physics B*, **2007**, 21, 1133-1139	1.1	1
205	Itinerant ferromagnetism in the multiorbital Hubbard model: a dynamical mean-field study. *Physical Review Letters*, **2007**, 99, 216402	7.4	19
204	Topological aspects of graphene. *European Physical Journal: Special Topics*, **2007**, 148, 133-141	2.3	25
203	SPIN CONFIGURATION IN THE ELECTRON MOLECULE IN FEW-ELECTRON QUANTUM DOTS IN STRONG MAGNETIC FIELDS SUPERPOSITION OF MULTIPLE CONFIGURATIONS. *International Journal of Modern Physics B*, **2007**, 21, 1643-1648	1.1	1
202	Large orbital magnetic moments in carbon nanotubes generated by resonant transport. *Physical Review B*, **2007**, 75,	3.3	19
201	Phase diagram for the one-dimensional Hubbard-Holstein model: A density-matrix renormalization group study. *Physical Review B*, **2007**, 76,	3.3	51
200	LARGE MAGNETIC MOMENTS GENERATED FROM LOOP CURRENTS IN CARBON NANOTUBE ATTACHED TO ELECTRODES A THEORETICAL PICTURE. *International Journal of Modern Physics B*, **2007**, 21, 1198-1206	1.1	1
199	Topological analysis of the quantum Hall effect in graphene: Dirac-Fermi transition across van Hove singularities and edge versus bulk quantum numbers. *Physical Review B*, **2006**, 74,	3.3	153
198	Exact supersymmetry in the relativistic hydrogen atom in general dimensions supercharge and the generalized Johnson-Lippmann operator. *Journal of Mathematical Physics*, **2006**, 47, 032301	1.2	13
197	Quantum Monte Carlo study for multiorbital systems with preserved spin and orbital rotational symmetries. *Physical Review B*, **2006**, 74,	3.3	37
196	Superconductivity from long-range interaction: A crossover between the electron gas and the lattice model. *Physical Review B*, **2006**, 73,	3.3	9
195	Intermediate low spin states in a few-electron quantum dot in the 21 regime. *Physical Review B*, **2006**, 74,	3.3	32
194	Transitions between electron-molecule states in electrostatic quantum dots. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2006**, 3, 3798-3801		1
193	Triplet superconductivity spin vs. charge fluctuations and fermiology. *Physica B: Condensed Matter*, **2006**, 374-375, 229-234	2.8	1
192	Fermiology and interaction in unconventional superconductors triplet vs singlet pairs. *Physica C: Superconductivity and Its Applications*, **2006**, 437-438, 11-16	1.3	5
191	Application of the perturbation series expansion quantum Monte Carlo method to multiorbital systems having Hund's coupling. *Physica B: Condensed Matter*, **2006**, 378-380, 288-289	2.8	3
190	Superconductivity in multi-orbital systems: A dynamical mean Monte Carlo study. *Physica B: Condensed Matter*, **2005**, 359-361, 554-556	2.8	2
189	Phase diagram of the two-dimensional extended Hubbard model: pairing from charge and spin fluctuations. *Physica B: Condensed Matter*, **2005**, 359-361, 518-520	2.8	

188	Off-site repulsion-induced triplet pairing: DCA and FLEX study for Sr2RuO4. *Physica B: Condensed Matter*, **2005**, 359-361, 584-586	2.8	2
187	A DMRG study of correlation functions in the Holstein–Hubbard model. *Physica B: Condensed Matter*, **2005**, 359-361, 708-710	2.8	7
186	Nonlinear transport in a one-dimensional Mott insulator in strong electric fields. *Physica B: Condensed Matter*, **2005**, 359-361, 759-761	2.8	4
185	Spin-Triplet Superconductivity Induced by Charge Fluctuations in Extended Hubbard Model. *Journal of the Physical Society of Japan*, **2005**, 74, 2579-2585	1.5	8
184	Metal-induced gap states in epitaxial organic-insulator/metal interfaces. *Physical Review B*, **2005**, 72,	3.3	19
183	Breakdown of an electric-field driven system: a mapping to a quantum walk. *Physical Review Letters*, **2005**, 94, 100602	7.4	77
182	Electronic structure of an electron on the gyroid surface: A helical labyrinth. *Physical Review B*, **2005**, 71,	3.3	28
181	Density-matrix renormalization group study of pairing when electron-electron and electron-phonon interactions coexist: effect of the electronic band structure. *Physical Review Letters*, **2005**, 95, 226401	7.4	41
180	Ground-state decay rate for the Zener breakdown in band and Mott insulators. *Physical Review Letters*, **2005**, 95, 137601	7.4	113
179	Magnetic-Field Induced Triplet Superconductivity in the Repulsive Hubbard Model on the Triangular Lattice. *Journal of the Physical Society of Japan*, **2004**, 73, 533-536	1.5	10
178	Superconductivity in frustrated systems. *Journal of Physics Condensed Matter*, **2004**, 16, V1-V5	1.8	12
177	Polar surface engineering in ultrathin MgO(111)/Ag(111): Possibility of a metal-insulator transition and magnetism. *Physical Review B*, **2004**, 69,	3.3	39
176	Electronic properties of metal-induced gap states at insulator/metal interfaces: Dependence on the alkali halide and the possibility of excitonic mechanism of superconductivity. *Physical Review B*, **2004**, 69,	3.3	12
175	Possibility of superconductivity in the repulsive Hubbard model on the Shastry-Sutherland lattice. *Physical Review B*, **2004**, 69,	3.3	14
174	Phase diagram of the two-dimensional extended Hubbard model: Phase transitions between different pairing symmetries when charge and spin fluctuations coexist. *Physical Review B*, **2004**, 70,	3.3	66
173	Integer quantum Hall effect and Hofstadter's butterfly spectra in three-dimensional metals in external periodic modulations. *Physical Review B*, **2004**, 69,	3.3	5
172	Off-site repulsion-induced triplet superconductivity: a possibility for chiral p(x+y)-wave pairing in Sr2RuO4. *Physical Review Letters*, **2004**, 92, 247006	7.4	32
171	Numerical algorithm for the double-orbital Hubbard model: Hund-coupled pairing symmetry in the doped case. *Physical Review B*, **2004**, 70,	3.3	53

170	Superconductivity in the Hubbard Model on the Shastry–Sutherland Lattice. *Journal of Low Temperature Physics*, **2004**, 134, 805-810	1.3	
169	Integer quantum Hall effect in isotropic 3D systems. *Physica E: Low-Dimensional Systems and Nanostructures*, **2004**, 22, 214-217	3	
168	Electronic structure of periodic curved surfaces—continuous surface versus graphitic sponge. *Physica E: Low-Dimensional Systems and Nanostructures*, **2004**, 22, 696-699	3	8
167	Electronic structure of stacked C60 shuttlecocks. *Chemical Physics Letters*, **2004**, 399, 157-161	2.5	19
166	Design of electron correlation effects in interfaces and nanostructures. *Applied Surface Science*, **2004**, 237, 2-12	6.7	6
165	Electronic properties of alkali-metal loaded zeolites: Supercrystal Mott insulators. *Physical Review B* , **2004**, 69,	3.3	26
164	First Principles Study of Flat-Band Ferromagnetism in Polymers of Five-Membered Rings. *E-Journal of Surface Science and Nanotechnology*, **2004**, 2, 38-44	0.7	2
163	FERMIOLOGY IN CORRELATED ELECTRON SYSTEMS. *International Journal of Modern Physics B*, **2003**, 17, 4953-4963	1.1	5
162	Interaction and dimensionality in the quantum Hall physics. *Physica E: Low-Dimensional Systems and Nanostructures*, **2003**, 20, 149-159	3	3
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