

# C S Ting

## List of Publications by Year in descending order

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169  
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4,958  
citations

101384

36  
h-index

110170

64  
g-index

170  
all docs

170  
docs citations

170  
times ranked

2285  
citing authors



#	ARTICLE	IF	CITATIONS
19	Tunneling interstitial impurity in iron-chalcogenide-based superconductors. Physical Review B, 2016, 93, .	1.1	8
20	Quantum anomalies in superconducting Weyl metals. Physical Review B, 2016, 93, .	1.1	21
21	Ferromagnetism and superconductivity with possible $p$ -wave symmetry in partially hydrogenated graphene. Physical Review B, 2016, 93, .	1.1	16
22	Effects of single- and multi-substituted Zn ions in doped 122-type iron-based superconductors. Physical Review B, 2016, 93, .	1.1	2
23	Topological phase transitions and a two-dimensional Weyl superconductor in a half-metal/superconductor heterostructure. Physical Review B, 2016, 94, .	1.1	14
24	Tilted anisotropic Dirac cones in partially hydrogenated graphene. Physical Review B, 2016, 94, . Magnetic ground state of superconducting $p$ -wave symmetry in partially hydrogenated graphene. Physical Review B, 2016, 94, .	1.1	38
25			

#	ARTICLE	IF	CITATIONS
37	Probing active/passive bands by quasiparticle interference in Sr <sub>2</sub> RuO <sub>4</sub> . Physical Review B, 2013, 88, .	1.1	6
38	Disorder effects in multiorbitals $\tilde{A}_{\pm}$ -wave superconductors: Implications for Zn-doped BaFe <sub>2</sub> As <sub>2</sub> compounds. Physical Review B, 2013, 88, .	1.1	19
39	Fermi surface evolution and checker-board block-spin antiferromagnetism in AxFe <sub>2</sub> ~ySe <sub>2</sub> . Physical Review B, 2012, 86, .	1.1	4
40	Impact of step defects on surface states of topological insulators. Physical Review B, 2012, 85, .	1.1	19
41	Surface states scattering from a step defect in the topological insulator Bi <sub>2</sub> Te <sub>3</sub> . Physical Review B, 2012, 86, .	1.1	23
42	First-principles calculations of the electronic structure of iron-pnictide EuFe <sub>2</sub> (As,P) <sub>2</sub> superconductors: Evidence for antiferromagnetic spin order. Physical Review B, 2012, 86, .	1.1	23
43	Absence of gapped broken inversion symmetry phase of electrons in bilayer graphene under the renormalized ring-diagram approximation. Physical Review B, 2012, 86, .	1.1	6
44	Quasiparticle states around a nonmagnetic impurity in electron-doped iron-based superconductors with spin-density-wave order. Physical Review B, 2011, 83, .	1.1	25
45	Impurity-induced quasiparticle interference in the parent compounds of iron-pnictide superconductors. Physical Review B, 2011, 84, .	1.1	19
46	Theory of mixed-state effect on NMR relaxation measurements in iron pnictide superconductors. Physical Review B, 2011, 84, .	1.1	4
47	Electronic structure around a vortex core in iron-based superconductors: Numerical studies of a two-orbital model. Physical Review B, 2011, 84, .	1.1	14
48	Domain walls in normal and superconducting states of iron pnictides. Physical Review B, 2011, 83, .	1.1	14
49	Spin dynamics in electron-doped iron pnictide superconductors. Physical Review B, 2010, 82, .	1.1	13
50	Enhanced superconducting proximity effect in strongly correlated heterostructures. Physical Review B, 2010, 82, .	1.1	4
51	Impurity resonance peaks in the vortex core of cuprate superconductors with induced spin density wave order. Physical Review B, 2009, 80, .	1.1	5
52	Exploring exotic superfluidity of polarized ultracold fermions in optical lattices. Physical Review B, 2009, 79, .	1.1	31
53	Resonant spin polarization and Hall effects in a two-dimensional electron gas. Applied Physics Letters, 2008, 92, 212103.	1.5	6
54	Study of two-dimensional electron systems in the renormalized-ring-diagram approximation. Physical Review B, 2007, 75, .	1.1	5

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55	Quantum interference of a Zn impurity in d-wave superconductors. Physical Review B, 2006, 73, .	1.1	1
56	Nonmonotonic gap in the coexisting antiferromagnetic and superconducting states of electron-doped cuprate superconductors. Physical Review B, 2006, 73, .	1.1	24
57	s-wave-like excitation in the superconducting state of electron-doped cuprates with d-wave pairing. Physical Review B, 2006, 74, .	1.1	27
58	INTRINSIC SPIN HALL EFFECT IN MESOSCOPIC SYSTEMS. International Journal of Modern Physics B, 2006, 20, 2339-2358.	1.0	4
59	Spin dynamics in the antiferromagnetic phase of electron-doped cuprate superconductors. Physical Review B, 2005, 71, .	1.1	15
60	Local density of states maps of cuprate superconductors with field-induced charge order. Physical Review B, 2005, 71, .	1.1	18
61	Gossamer superconductivity and antiferromagnetism in the $t$ - $J$ model. Physical Review B, 2005, 71, .	1.1	17
62	Doping dependence of the electron-doped cuprate superconductors from the antiferromagnetic properties of the Hubbard model. Physical Review B, 2005, 72, .	1.1	20
63	Impurity-induced local density of states in a d-wave superconductor carrying a supercurrent. Physical Review B, 2005, 71, .	1.1	4
64	NOVEL VORTEX STRIPE PHASE UNDER STRONG MAGNETIC FIELD IN HIGH TEMPERATURE SUPERCONDUCTORS. International Journal of Modern Physics B, 2005, 19, 9-12.	1.0	1
65	Spin-Hall Effect in Two-Dimensional Electron Systems with Rashba Spin-Orbit Coupling and Disorder. Physical Review Letters, 2005, 94, 016602.	2.9	148
66	Nondissipative Spin Hall Effect via Quantized Edge Transport. Physical Review Letters, 2005, 95, 136602.	2.9	192
67	Fermi surface evolution in the antiferromagnetic state for the electron-doped $t$ - $J$ model. Physical Review B, 2004, 69, .	1.1	41
68	Conductance characteristics between a normal metal and a clean superconductor carrying a supercurrent. Physical Review B, 2004, 70, .	1.1	27
69	The Sign of Vortex Charges in High Temperature Superconductors. Journal of Low Temperature Physics, 2003, 131, 229-238.	0.6	1
70	Temperature dependence of vortex charges in high-temperature superconductors. Physical Review B, 2003, 67, .	1.1	10
71	Theory of electric-field-induced metal-insulator transition in doped manganites. Physical Review B, 2003, 67, .	1.1	31
72	Superconducting transition in doped Mott insulators: A bosonic resonating-valence-bond theory. Physical Review B, 2003, 68, .	1.1	8

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73	Impurity effects on s+g-wave superconductivity in borocarbides $\text{Y}(\text{Lu})\text{Ni}_2\text{B}_2\text{C}$ . <i>Physical Review B</i> , 2003, 68, .	1.1	17
74	Single impurity effects in the mixed state of d-wave superconductors. <i>Physical Review B</i> , 2002, 66, .	1.1	9
75	c-axis response of a high- $T_c$ superconductor with d-density-wave order. <i>Physical Review B</i> , 2002, 65, .	1.1	17
76	Vortex Charges in High-Temperature Superconductors. <i>Physical Review Letters</i> , 2002, 89, 217001.	2.9	58
77	Magnetic-field-induced spin-density wave in high-temperature superconductors. <i>Physical Review B</i> , 2002, 65, .	1.1	43
78	Numerical study of the transition to stripe phases in high-temperature superconductors under a strong magnetic field. <i>Physical Review B</i> , 2002, 66, .	1.1	31
79	Spin-charge separation in the single-hole-doped Mott antiferromagnet. <i>Physical Review B</i> , 2001, 63, .	1.1	27
80	Quasiparticle States at a d-Wave Vortex Core in High- $T_c$ Superconductors: Induction of Local Spin Density Wave Order. <i>Physical Review Letters</i> , 2001, 87, 147002.	2.9	97
81	Nature of spin-charge separation in the $t\text{-}J$ model. <i>Physical Review B</i> , 2000, 61, 12328-12341.	1.1	13
82	Quasiparticle Localization in Disordered d-Wave Superconductors. <i>Physical Review Letters</i> , 2000, 85, 4944-4947.	2.9	20
83	Proximity effect, quasiparticle transport, and local magnetic moment in ferromagnetic d-wave superconductor junctions. <i>Physical Review B</i> , 2000, 61, 1456-1467.	1.1	74
84	Superconductivity in ferromagnetic $\text{RuSr}_2\text{GdCu}_2\text{O}_8$ . <i>Physical Review B</i> , 2000, 62, 11369-11372.	1.1	13
85	Mean-field description of the phase string effect in the $t\text{-}J$ model. <i>Physical Review B</i> , 1999, 59, 8943-8955.	1.1	38
86	Exact solution of the Ginzburg-Landau equation for the upper critical field of a d-wave superconductor. <i>Physical Review B</i> , 1999, 59, 9508-9513.	1.1	3
87	Magnetic incommensurability in a doped Mott insulator. <i>Physical Review B</i> , 1999, 59, 11367-11376.	1.1	2
88	Monte Carlo study of finite-temperature phase diagram of the manganites. <i>Physical Review B</i> , 1999, 60, 14809-14815.	1.1	5
89	Spin-polarized quasiparticle transport in ferromagnetic d-wave superconductor junctions with a $\{110\}$ interface. <i>Physical Review B</i> , 1999, 59, 9558-9563.	1.1	142
90	Time-dependent Ginzburg-Landau equations for mixed s and d-wave superconductors. <i>Physical Review B</i> , 1998, 58, 15020-15034.	1.1	9

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91	Vortex state in unconventional junctions of superconductors with d+isymmetry. Physical Review B, 1998, 58, 6455-6462.	1.1	8
92	Phase diagram of the double exchange model. Physical Review B, 1998, 58, 8186-8189.	1.1	6
93	Bosonic Resonating-Valence-Bond Description of a Doped Antiferromagnet. Physical Review Letters, 1998, 80, 5401-5404.	2.9	76
94	Wigner crystal in the manganese oxides $R_{1-x}A_xMnO_3$ . Physical Review B, 1998, 57, 5265-5270.	1.1	16
95	Upper critical field of a mixed d- and s-wave superconductor. Physical Review B, 1998, 58, R607-R610.	1.1	18
96	Magnetic induction of high angular momentum pairing symmetry. Physical Review B, 1998, 57, 13403-13405.	1.1	3
97	Ginzburg-Landau Equations for a d-Wave Superconductor with Paramagnetic Impurities. International Journal of Modern Physics B, 1998, 12, 1069-1095.	1.0	2
98	Phase string effect in the t-J model: General theory. Physical Review B, 1997, 55, 3894-3906.	1.1	103
99	Ginzburg-Landau equations for layered p-wave superconductors. Physical Review B, 1997, 56, 14093-14101.	1.1	13
100	Theory of Colossal Magnetoresistance in $R_{1-x}A_xMnO_3$ . Physical Review Letters, 1997, 79, 1710-1713.	2.9	152
101	Conductance anomalies in a normal-metal-d-wave superconductor junction. Physical Review B, 1996, 53, 3604-3612.	1.1	72
102	Ginzburg-Landau equations for a mixed s+d symmetry superconductor with nonmagnetic impurities. Physical Review B, 1996, 54, R12693-R12696.	1.1	7
103	Ginzburg-Landau equations for mixed s+d symmetry superconductors. Physical Review B, 1996, 53, 2249-2252.	1.1	59
104	Ginzburg-Landau equations for a d-wave superconductor with nonmagnetic impurities. Physical Review B, 1996, 53, 12481-12495.	1.1	15
105	Optical epilayers on silicon substrate: Electronic and optical properties of ZnS/Si superlattice. Journal of Applied Physics, 1995, 77, 4107-4109.	1.1	7
106	Spin-charge separation in the t-J model: Magnetic and transport anomalies. Physical Review B, 1995, 52, 637-664.	1.1	29
107	Ginzburg-Landau Equations and Vortex Structure of a d <sub>x<sup>2</sup>-y<sup>2</sup></sub> Superconductor. Physical Review Letters, 1995, 74, 3680-3683.	2.9	157
108	Indirect-direct band gap transition and enhanced optical absorption of GaP/AlP random superlattice. Applied Physics Letters, 1995, 66, 1400-1402.	1.5	4

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109	Tight-binding calculation of ZnSe/Ge superlattices: Electronic structure and optical property. Journal of Applied Physics, 1995, 78, 1832-1837.	1.1	14
110	Unified theory of mixed state Hall effect in type-II superconductors: Scaling behavior and sign reversal. Physical Review Letters, 1994, 72, 3875-3878.	2.9	134
111	Effect of the degree of disorder on electronic and optical properties in random superlattices. Journal of Applied Physics, 1994, 76, 3004-3008.	1.1	8
112	Electronic structures of Sb/Ga(Al)Sb (111) semimetal-semiconductor superlattices. Journal of Applied Physics, 1994, 76, 5318-5326.	1.1	7
113	Enhancement of optical absorption induced by disorder in three-dimensional random superlattices. Applied Physics Letters, 1994, 64, 443-445.	1.5	13
114	Quantum size effect on optical absorption edge in thin antimony films. Applied Physics Letters, 1993, 63, 129-131.	1.5	11
115	Electronic structure of periodic random superlattice [(GaAs) <sub>m</sub> /(AlAs) <sub>n</sub> ]. Applied Physics Letters, 1993, 63, 1411-1413.	1.5	10
116	Energy loss rate of hot electrons in a semiconductor: The role of anharmonic interactions. Physical Review Letters, 1993, 70, 2467-2470.	2.9	12
117	A Tight-Binding Theory of the Electronic Structures for Rhombohedral Semimetals and Sb/GaSb, Sb/AlSb Superlattices. Materials Research Society Symposia Proceedings, 1993, 326, 585.	0.1	1
118	Impurity Resistivity under Thermalized Condition. , 1992, , 275-294.		0
119	Nonequilibrium Green's Function Approach to Dynamic Properties of Resonant-Tunneling through Double-Barrier Structures. , 1992, , 295-314.		0
120	Noise characteristics of sequential tunneling through double-barrier junctions. Physical Review B, 1992, 46, 4714-4717.	1.1	54
121	Path-integral approach to the one-dimensional large-U Hubbard model. Physical Review B, 1992, 45, 7850-7871.	1.1	35
122	Thermomagnetic properties in the mixed state of high-T <sub>c</sub> superconductors. Physical Review Letters, 1992, 69, 1435-1438.	2.9	16
123	Theory of flux motion with backflow current in high- $T_c$ superconductors. Physical Review B, 1992, 46, 284-293.	1.1	60
124	Theoretical investigation of noise characteristics of double-barrier resonant-tunneling systems. Physical Review B, 1991, 43, 4534-4537.	1.1	127
125	One-dimensional large-U Hubbard model: An analytical approach. Physical Review Letters, 1991, 67, 3318-3321.	2.9	37
126	Anomalous Hall effect associated with pinning in high- $T_c$ superconductors. Physical Review Letters, 1991, 67, 3618-3621.	2.9	107



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127	One-dimensional Large-U Hubbard Model in Strong Coupling: Charge and Spin Separation. International Journal of Modern Physics B, 1991, 05, 1801-1807.	1.0	0
128	Superconductivity of an interacting anyon system. International Journal of Modern Physics B, 1991, 05, 1589-1596.	1.0	2
129	Path-integral approach to transient transport of a double-barrier resonant-tunneling system. Physical Review B, 1990, 41, 8533-8536.	1.1	27
130	ac conductance of a double-barrier resonant tunneling system under a dc-bias voltage. Physical Review Letters, 1990, 64, 3159-3162.	2.9	72
131	Consistent derivation of impurity resistivity from the force-balance equation. Physical Review B, 1990, 42, 1129-1141.	1.1	7
132	Effect of inelastic scattering on impurity resistivity. Physical Review B, 1989, 40, 3756-3765.	1.1	11
133	Transient hot-electron transport in GaAs with a $\tilde{\Gamma}$ -L-X band structure. Journal of Physics Condensed Matter, 1989, 1, 407-418.	0.7	2
134	Consistent treatment for a single electron in a thermal crystal with an applied electric field. Physical Review B, 1988, 38, 3866-3878.	1.1	10
135	Analytical approach to diffusion of hot carriers in n-type GaAs with $\tilde{\Gamma}$ -L-X band structure. Physical Review B, 1988, 37, 10283-10294.	1.1	17
136	Theoretical calculation of the normal-state resistivity of the high-Tc oxide materials. Physical Review B, 1988, 37, 9769-9772.	1.1	24
137	Hot-electron transport for many-valley semiconductors by the method of nonequilibrium statistical operators. Physical Review B, 1988, 37, 2997-3007.	1.1	17
138	Consistent Path-Integral Study for a Single Electron in a Thermal Crystal with an Applied Electric Field. Physical Review Letters, 1988, 60, 2323-2326.	2.9	10
139	Anisotropic normal-state transport of the high-Tc oxide Y-Ba-Cu-O. Journal of Physics C: Solid State Physics, 1988, 21, L591-L597.	1.5	7
140	Diffusion of hot carriers in two-valley semiconductors. Journal of Physics C: Solid State Physics, 1988, 21, 2881-2898.	1.5	3
141	Quantum thermal noise of electrons in semiconductors under crossed magnetic and electric fields. Physical Review B, 1987, 36, 9671-9682.	1.1	7
142	Noise-power temperature for steady-state hot-electron systems in semiconductors. Physical Review B, 1987, 35, 4162-4165.	1.1	2
143	Nonlinear electronic transport in semiconductor systems with two types of carriers: Application to GaAs. Physical Review B, 1987, 36, 9134-9141.	1.1	34
144	Green's-function approach to transient hot-electron transport in semiconductors under a uniform electric field. Physical Review B, 1987, 35, 3971-3983.	1.1	42

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145	Balance equations for steady-state hot-electron transport in the approach of the nonequilibrium statistical operator. <i>Physical Review B</i> , 1987, 35, 6379-6385.	1.1	25
146	Balance-equation approach to high-field electronic transport: A linear-response theory in the scattering interactions. <i>Physical Review B</i> , 1987, 36, 8162-8164.	1.1	16
147	Lattice distortion associated with isolated defects in semiconductors. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1987, 56, 593-609.	0.6	28
148	Deep levels due to chalcogen defects in Si-Ge solid solutions. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1986, 54, 93-111.	0.6	11
149	Hot-electron transport in GaAs-AlGaAs heterojunctions. <i>Physical Review B</i> , 1986, 33, 4382-4385.	1.1	24
150	Quantum theory of transient transport in an interacting system of electrons, impurities, and phonons. <i>Physical Review B</i> , 1986, 33, 7056-7068.	1.1	45
151	Quantum theory of thermal noises for steady-state hot-electron transport under a strong electric field. <i>Physical Review B</i> , 1986, 34, 7003-7017.	1.1	16
152	Balance equations in nonlinear electronic transport for electron-phonon-impurity systems in the presence of crossed electric and magnetic fields. <i>Journal of Physics C: Solid State Physics</i> , 1985, 18, 4315-4326.	1.5	22
153	A new approach to non-linear transport for an electron-impurity system in a static electric field. <i>Journal of Physics C: Solid State Physics</i> , 1985, 18, 77-92.	1.5	15
154	Magneto-hot-electron transport for GaAs-Ga <sub>1-x</sub> Al <sub>x</sub> As heterojunction in the extreme quantum limit. <i>Physical Review B</i> , 1985, 31, 4070-4073.	1.1	32
155	Green's-function approach to nonlinear electronic transport for an electron-impurity-phonon system in a strong electric field. <i>Physical Review B</i> , 1985, 32, 1112-1132.	1.1	235
156	Two-dimensional balance equations in nonlinear electronic transport and application to GaAs-GaAlAs heterojunctions. <i>Journal of Applied Physics</i> , 1985, 58, 2270-2279.	1.1	152
157	Theory of nonlinear electron transport for solids in a strong electric field. <i>Physical Review B</i> , 1984, 30, 4809-4812.	1.1	126
158	Self-consistent theory of magnetoconductance in two-dimensional Anderson localized systems. <i>Physical Review B</i> , 1982, 26, 678-686.	1.1	21
159	Deep levels due to isolated single and pair vacancies in C, Si and Ge. <i>Journal of Physics C: Solid State Physics</i> , 1982, 15, 6573-6584.	1.5	7
160	Tight-binding calculations for the electronic structure of isolated vacancies and impurities in III-V compound semiconductors. <i>Physical Review B</i> , 1982, 25, 2660-2680.	1.1	137
161	Theory of cyclotron resonance for electrons in a Si surface inversion layer under a uniaxial stress. <i>Physical Review B</i> , 1981, 24, 3371-3379.	1.1	8
162	Theory of the mobility of electrons in a semiconducting-surface inversion layer. <i>Physical Review B</i> , 1981, 24, 7206-7209.	1.1	13

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163	Possible Mechanism of Superconductivity in Metal-Semiconductor Eutectic Alloys. Physical Review Letters, 1980, 45, 1213-1216.	2.9	94
164	Temperature dependence of dynamic conductivity of electrons in the surface inversion layer of semiconducting silicon. Physical Review B, 1977, 16, 3541-3545.	1.1	29
165	Theory of cyclotron resonance of interacting electrons in a semiconducting surface inversion layer. Physical Review B, 1977, 16, 5394-5404.	1.1	116
166	Theory of dynamical conductivity of interacting electrons. Physical Review B, 1976, 14, 4439-4446.	1.1	43
167	Infrared Cyclotron Resonance in Semiconducting Surface Inversion Layers. Physical Review Letters, 1976, 37, 215-218.	2.9	57
168	Landau Interaction Function for Electrons in the Surface Inversion Layer of a Semiconductor: A Test of Many-Body Theory. Physical Review Letters, 1975, 35, 1048-1050.	2.9	38
169	Effective Mass and g Factor of Interacting Electrons in the Surface Inversion Layer of Silicon. Physical Review Letters, 1975, 34, 870-874.	2.9	119