

Lu Jeu Sham

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Direct high-resolution resonant Raman scattering measurements of dynamic nuclear spin polarization states of an InAs quantum dot. <i>Physical Review B</i> , 2020, 102, .	1.1	1
2	Obituary for Walter Kohn (1923–2016). <i>Computation</i> , 2016, 4, 40.	1.0	3
3	Nonlocal Nuclear Spin Quieting in Quantum Dot Molecules: Optically Induced Extended Two-Electron Spin Coherence Time. <i>Physical Review Letters</i> , 2016, 117, 077403.	2.9	16
4	Discovery of a photoresponse amplification mechanism in compensated PN junctions. <i>Applied Physics Letters</i> , 2015, 106, 031103.	1.5	13
5	Cycling excitation process: An ultra efficient and quiet signal amplification mechanism in semiconductor. <i>Applied Physics Letters</i> , 2015, 107, 053505.	1.5	13
6	Coherent Control to Prepare an InAs Quantum Dot for Spin-Photon Entanglement. <i>Physical Review Letters</i> , 2014, 112, 126801.	2.9	7
7	Demonstration of Quantum Entanglement between a Single Electron Spin Confined to an InAs Quantum Dot and a Photon. <i>Physical Review Letters</i> , 2013, 110, 167401.	2.9	121
8	Theory of atomistic simulation of spin-transfer torque in nanomagnets. <i>Physical Review B</i> , 2013, 87, .	1.1	6
9	Quantum approach of mesoscopic magnet dynamics with spin transfer torque. <i>Physical Review B</i> , 2013, 87, .	1.1	10
10	Rapid creation of distant entanglement by multiphoton resonant fluorescence. <i>Physical Review B</i> , 2013, 88, .	1.1	1
11	Coherent control with optical pulses for deterministic spin-photon entanglement. <i>Physical Review B</i> , 2013, 88, .	1.1	3
12	Direct detection of time-resolved Rabi oscillations in a single quantum dot via resonance fluorescence. <i>Physical Review B</i> , 2013, 87, .	1.1	26
13	Robust Distant Entanglement Generation Using Coherent Multiphoton Scattering. <i>Physical Review Letters</i> , 2013, 110, 070501.	2.9	7
14	General theory of feedback control of a nuclear spin ensemble in quantum dots. <i>Physical Review B</i> , 2013, 88, .	1.1	23
15	A theory of quantum dynamics of a nanomagnet under excitation. <i>Proceedings of SPIE</i> , 2013, , .	0.8	1
16	Direct Detection of Optical Rabi Oscillations from a Single Quantum Dot. , 2013, , .		0
17	Quantum Dot Spin-Photon Entanglement. , 2013, , .		1
18	Entanglement between a Quantum Dot Spin and a Photon. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
19	Persistent optical nuclear spin narrowing in a singly charged InAs quantum dot. Journal of the Optical Society of America B: Optical Physics, 2012, 29, A119.	0.9	2
20	Persistent Narrowing of Nuclear-Spin Fluctuations in InAs Quantum Dots Using Laser Excitation. Physical Review Letters, 2012, 108, 187401.	2.9	19
21	Optically controlled phase gate for two spin qubits in coupled quantum dots. Physical Review B, 2012, 85, .	1.1	13
22	Quantum correlation of an optically controlled quantum system. Journal of the Optical Society of America B: Optical Physics, 2012, 29, A25.	0.9	4
23	Collective nuclear stabilization in single quantum dots by noncollinear hyperfine interaction. Physical Review B, 2012, 85, .	1.1	21
24	Quantum dynamics of a nanomagnet driven by spin-polarized current. Physical Review B, 2012, 85, .	1.1	19
25	Precision of electromagnetic control of a quantum system. Physical Review A, 2011, 84, .	1.0	8
26	Coherent spin control by electromagnetic vacuum fluctuations. Physical Review A, 2011, 83, .	1.0	0
27	Fast optically driven spin qubit gates in an InAs quantum dot. , 2010, , .		0
28	Picosecond optical spectroscopy of a single negatively charged self-assembled InAs quantum dot. Applied Physics Letters, 2010, 97, 113110.	1.5	13
29	Proposal for efficient generation of spin-polarized current in silicon. Applied Physics Letters, 2010, 96, 212107.	1.5	6
30	Quantum computing by optical control of electron spins. Advances in Physics, 2010, 59, 703-802.	35.9	102
31	Dynamics revealed by correlations of time-distributed weak measurements of a single spin. New Journal of Physics, 2010, 12, 013018.	1.2	19
32	Fast Spin Rotations by Optically Controlled Geometric Phases in a Charge-Tunable InAs Quantum Dot. Physical Review Letters, 2010, 104, 167401.	2.9	74
33	Josephson oscillations between exciton condensates in electrostatic traps. Physical Review B, 2009, 80, .	1.1	14
34	Nonperturbative phenomena in semiconductor four-wave mixing spectra. Physical Review B, 2009, 79, .	1.1	3
35	Theory of Umklapp-assisted recombination of bound excitons in Si:P. Journal of Physics Condensed Matter, 2009, 21, 084218.	0.7	1
36	Density functionals beyond the local density approximation. International Journal of Quantum Chemistry, 2009, 28, 491-495.	1.0	0

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37	Optically controlled locking of the nuclear field via coherent dark-state spectroscopy. Nature, 2009, 459, 1105-1109.	13.7	208
38	Thermoelectric Properties of Junctions Between Metal and Models of Strongly Correlated Semiconductors. NATO Science for Peace and Security Series B: Physics and Biophysics, 2009, , 193-211.	0.2	0
39	Coherent population trapping of an electron spin in a single negatively charged quantum dot. Nature Physics, 2008, 4, 692-695.	6.5	215
40	Stimulated Raman spin coherence and spin-flip induced hole burning in charged GaAs quantum dots. Physical Review B, 2008, 77, .	1.1	6
41	Femtosecond demagnetization and hot-hole relaxation in ferromagnetic $Ga_{1-x}Mn_x$ quantum dots. Physical Review B, 2008, 77, .	1.1	37
42	Single Charged Quantum Dot in a Strong Optical Field: Absorption, Gain, and the ac-Stark Effect. Physical Review Letters, 2008, 101, 227401.	2.9	49
43	CONTROL OF ELECTRON SPIN DECOHERENCE IN MESOSCOPIC NUCLEAR SPIN BATHS. International Journal of Modern Physics B, 2008, 22, 27-32.	1.0	0
44	Adiabatic optical entanglement between electron spins in separate quantum dots. Physical Review B, 2008, 78, .	1.1	11
45	Control of electron spin decoherence caused by electron-nuclear spin dynamics in a quantum dot. New Journal of Physics, 2007, 9, 226-226.	1.2	92
46	Fast spin state initialization of a single quantum dot electron. , 2007, , .		0
47	Optically controlled single-qubit rotations in self-assembled InAs quantum dots. Journal of Physics Condensed Matter, 2007, 19, 056203.	0.7	28
48	Nonlinear Optical Probe of a Singly-Charged Stranski-Krastanow Quantum Dot. , 2007, , .		0
49	Selective Optical Control of Electron Spin Coherence in Singly Charged $GaAs_{1-x}Mn_x$ Quantum Dots. Physical Review Letters, 2007, 99, 097402.	2.9	62
50	Restoring Coherence Lost to a Slow Interacting Mesoscopic Spin Bath. Physical Review Letters, 2007, 98, 077602.	2.9	138
51	Many-body interaction in semiconductors probed with two-dimensional Fourier spectroscopy. Physical Review B, 2007, 76, .	1.1	11
52	Photoluminescence spectral switching of single $CdSe/ZnS$ colloidal nanocrystals in poly(methyl) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 1	1.1	6
53	Theory of nonlinear optical spectroscopy of electron spin coherence in quantum dots. Physical Review B, 2007, 75, .	1.1	4
54	Nonlinear optical probe of a singly-charged stranski-krastanow quantum dot. , 2007, , .		0

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55	Optically manipulating spins in semiconductor quantum dots. Journal of Applied Physics, 2007, 101, 081721.	1.1	6
56	Single-electron spin decoherence by nuclear spin bath: Linked-cluster expansion approach. Physical Review B, 2007, 75, .	1.1	73
57	Publisher's Note: Restoring Coherence Lost to a Slow Interacting Mesoscopic Spin Bath [Phys. Rev. Lett. 98, 077602 (2007)]. Physical Review Letters, 2007, 98, .	2.9	3
58	Fast Initialization of the Spin State of an Electron in a Quantum Dot in the Voigt Configuration. Physical Review Letters, 2007, 98, 047401.	2.9	72
59	Optically controlled logic gates for two spin qubits in vertically coupled quantum dots. Physical Review B, 2007, 75, .	1.1	34
60	Spin Extraction Theory and Its Relevance to Spintronics. Physical Review Letters, 2007, 98, 046602.	2.9	70
61	Coherent Optical Spectroscopy of a Strongly Driven Quantum Dot. Science, 2007, 317, 929-932.	6.0	314
62	Ultrafast demagnetization in the $\langle s \rangle \langle p \rangle$ A theoretical study. Physical Review B, 2007, 76, .		
63	Fast Spin State Initialization in a Singly Charged InAs-GaAs Quantum Dot by Optical Cooling. Physical Review Letters, 2007, 99, 097401.	2.9	245
64	Theory on measuring electron spin decoherence times by nonlinear optical spectroscopy of quantum dots. AIP Conference Proceedings, 2007, , .	0.3	0
65	Spin-based logic in semiconductors for reconfigurable large-scale circuits. Nature, 2007, 447, 573-576.	13.7	383
66	ELECTRICAL EXPRESSION OF SPIN ACCUMULATION IN FERROMAGNET/SEMICONDUCTOR STRUCTURES. Modern Physics Letters B, 2007, 21, 1509-1529.	1.0	0
67	Ultrafast magneto-optics in ferromagnetic III-V semiconductors. Journal of Physics Condensed Matter, 2006, 18, R501-R530.	0.7	85
68	Ultrafast optical control of electron spin coherence in charged GaAs quantum dots. Physical Review B, 2006, 74, .	1.1	38
69	Linking entanglement and quantum phase transitions via density-functional theory. Physical Review A, 2006, 74, .	1.0	97
70	Proposal for optical $U(1)$ rotations of electron spin trapped in a quantum dot. Physical Review B, 2006, 74, .	1.1	111
71	Spin transference and magnetoresistance amplification in a transistor. Physical Review B, 2006, 73, .	1.1	29
72	Electric readout of magnetization dynamics in a ferromagnet-semiconductor system. Applied Physics Letters, 2006, 89, 042105.	1.5	12

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73	Coherent ultrafast optically controlled rotation of electron spins in charged quantum dots. , 2006, , .		0
74	Spintronics for electrical measurement of light polarization. Journal of Applied Physics, 2006, 100, 063713.	1.1	8
75	Theory of electron spin decoherence by interacting nuclear spins in a quantum dot. Physical Review B, 2006, 74, .	1.1	264
76	Lateral diffusive spin transport in layered structures. Physical Review B, 2006, 73, .	1.1	39
77	Theory proposal of electron spin rotation in a quantum dot. , 2006, , .		0
78	Measurement of electron spin relaxation in charged GaAs quantum dots: Application of nonlinear optical phase-modulation spectroscopy. , 2006, , .		0
79	Stimulated and Spontaneous Optical Generation of Electron Spin Coherence in Charged GaAs Quantum Dots. Physical Review Letters, 2005, 94, 227403.	2.9	249
80	Semiconductor Quantum Dots for Quantum Information Processing: An Optical Approach. AIP Conference Proceedings, 2005, , .	0.3	0
81	Indirect spin coupling between quantum dots. AIP Conference Proceedings, 2005, , .	0.3	0
82	Theory of control of the dynamics of the interface between stationary and flying qubits. Journal of Optics B: Quantum and Semiclassical Optics, 2005, 7, S318-S325.	1.4	12
83	Coherent control of cavity quantum electrodynamics for quantum nondemolition measurements and ultrafast cooling. Physical Review B, 2005, 72, .	1.1	21
84	Unified theory of consequences of spontaneous emission in $\hat{a}\hat{b}$ system. Physical Review B, 2005, 71, .	1.1	59
85	Coherent Transport in a Homojunction between an Excitonic Insulator and Semimetal. Physical Review Letters, 2005, 94, 186404.	2.9	13
86	Indirect coupling between spins in semiconductor quantum dots. Physical Review B, 2005, 71, .	1.1	12
87	Ultrafast Quenching of Ferromagnetism in InMnAs Induced by Intense Laser Irradiation. Physical Review Letters, 2005, 95, 167401.	2.9	94
88	Theory of Control of the Spin-Photon Interface for Quantum Networks. Physical Review Letters, 2005, 95, 030504.	2.9	175
89	Optically Driven Quantum Computing Devices Based on Semiconductor Quantum Dots. , 2005, , 147-161.		0
90	Theory of spin transport induced by ferromagnetic proximity on a two-dimensional electron gas. Physical Review B, 2004, 69, .	1.1	13

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91	Nanodot-Cavity Electrodynamics and Photon Entanglement. Physical Review Letters, 2004, 92, 217402.	2.9	29
92	Spin Accumulation in Forward-Biased MnAs/GaAs Schottky Diodes. Physical Review Letters, 2004, 93, 097602.	2.9	88
93	Raman coherence beats from the entangled state involving polarized excitons in single quantum dots. Physical Review B, 2004, 70, .	1.1	17
94	Theory of quantum optical control of a single spin in a quantum dot. Physical Review B, 2004, 69, .	1.1	160
95	Silicon inversion layer with a ferromagnetic gate: A novel spin source (invited). Journal of Applied Physics, 2004, 95, 6625-6629.	1.1	5
96	Coherently Photoinduced Ferromagnetism in Diluted Magnetic Semiconductors. Physical Review Letters, 2004, 93, 127201.	2.9	38
97	An All-Optical Quantum Gate in a Semiconductor Quantum Dot. Science, 2003, 301, 809-811.	6.0	816
98	Spin-dependent properties of a two-dimensional electron gas with ferromagnetic gates. Applied Physics Letters, 2002, 81, 4781-4783.	1.5	44
99	Spin Polarization of Semiconductor Carriers by Reflection off a Ferromagnet. Physical Review Letters, 2002, 89, 156601.	2.9	71
100	Optical RKKY Interaction between Charged Semiconductor Quantum Dots. Physical Review Letters, 2002, 89, 167402.	2.9	163
101	Biexciton Quantum Coherence in a Single Quantum Dot. Physical Review Letters, 2002, 88, 117901.	2.9	135
102	Theory of fast quantum control of exciton dynamics in semiconductor quantum dots. Physical Review B, 2002, 65, .	1.1	53
103	Evidence of six-particle Coulomb correlations in six-wave-mixing signals from a semiconductor quantum well. Physical Review B, 2001, 63, .	1.1	39
104	Rabi Oscillations of Excitons in Single Quantum Dots. Physical Review Letters, 2001, 87, 133603.	2.9	627
105	Control of Exciton Dynamics in Nanodots for Quantum Operations. Physical Review Letters, 2001, 87, 067401.	2.9	190
106	Theory of ferromagnetism in planar heterostructures of (Mn,III)-V semiconductors. Physical Review B, 2001, 64, .	1.1	53
107	Theory of ballistic electron emission microscopy. Physical Review B, 2001, 64, .	1.1	4
108	Theory of ballistic electron emission microscopy with constant current feedback. Applied Physics Letters, 2000, 76, 3989-3991.	1.5	1

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109	Polariton-Biexciton Transitions in a Semiconductor Microcavity. <i>Physical Review Letters</i> , 2000, 84, 2215-2218.	2.9	50
110	Electronic four-particle correlations in semiconductors: Renormalization of coherent pump-probe oscillations. <i>Physical Review B</i> , 2000, 61, R7835-R7837.	1.1	22
111	Demonstration of Sixth-Order Coulomb Correlations in a Semiconductor Single Quantum Well. <i>Physical Review Letters</i> , 2000, 85, 2002-2005.	2.9	60
112	Optically Induced Entanglement of Excitons in a Single Quantum Dot. <i>Science</i> , 2000, 289, 1906-1909.	6.0	233
113	Thermoelectric properties of junctions between metal and strongly correlated semiconductor. <i>Applied Physics Letters</i> , 2000, 77, 3033-3035.	1.5	9
114	Excitonic effects in linear and nonlinear optical properties of C ₆₀ . <i>Physical Review B</i> , 1999, 59, 1857-1869.	1.1	12
115	Collective Oscillations Driven by Correlation in the Nonlinear Optical Regime. <i>Physical Review Letters</i> , 1999, 83, 3510-3513.	2.9	24
116	Theory of exciton-exciton correlation in nonlinear optical response. <i>Physical Review B</i> , 1998, 58, 12920-12936.	1.1	108
117	Probing the Schottky barrier with conduction electron spin resonance. <i>Physical Review B</i> , 1997, 55, 13745-13751.	1.1	3
118	Kondo Insulator: p-wave Bose Condensate of Excitons. <i>Physical Review Letters</i> , 1997, 79, 2097-2100.	2.9	14
119	SEMICONDUCTOR DEVICES: Closer to Coherence Control. <i>Science</i> , 1997, 277, 1258-1259.	6.0	15
120	Theory of electronic ferroelectricity. <i>Physical Review B</i> , 1996, 54, 17452-17463.	1.1	126
121	Linear and Nonlinear Optical Characteristics of the Falicov-Kimball Model. <i>Physical Review Letters</i> , 1996, 76, 3384-3387.	2.9	73
122	Density Functional Theory and Computational Materials Physics. <i>Kluwer International Series in Engineering and Computer Science</i> , 1996, , 13-22.	0.2	0
123	Coherence and correlation in laser excitation of semiconductor quantum wells. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1995, 17, 1315-1322.	0.4	1
124	Some efforts beyond the local density approximation. <i>International Journal of Quantum Chemistry</i> , 1995, 56, 345-350.	1.0	4
125	Theory of Spin Beatings in the Faraday Rotation of Semiconductors. <i>Physical Review Letters</i> , 1995, 75, 2554-2557.	2.9	40
126	Exciton-Exciton Correlation in the Nonlinear Optical Regime. <i>Physical Review Letters</i> , 1995, 74, 4698-4701.	2.9	150

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127	Exchange-correlation potentials at semiconductor interfaces. Physical Review B, 1994, 49, 1849-1857.	1.1	31
128	Interacting Electron Theory of Coherent Nonlinear Response. Physical Review Letters, 1994, 73, 3310-3313.	2.9	56
129	Boundary conditions for envelope functions at interfaces between dissimilar materials. Physical Review B, 1994, 49, 10533-10543.	1.1	41
130	Exciton dynamics in GaAs quantum wells under resonant excitation. Physical Review B, 1994, 50, 10868-10879.	1.1	241
131	First-principles calculations of the specific-heat mass enhancements in UIr ₃ , UPt ₃ , and UAu ₃ . Physical Review Letters, 1994, 72, 2923-2926.	2.9	46
132	Exciton spin dynamics in quantum wells. Physical Review B, 1993, 47, 15776-15788.	1.1	527
133	Theory of zone-folded optical transitions in semiconductor superlattices. Applied Physics Letters, 1993, 63, 3253-3255.	1.5	5
134	Electronic Properties in Semiconductor Heterostructures. , 1993, , 1-56.		2
135	Spin relaxation in semiconductor quantum wells. Journal of Physics Condensed Matter, 1993, 5, A51-A60.	0.7	54
136	Theory of the electronic properties of δ -doped layers with DX centers in semiconductor heterostructures. Physical Review B, 1993, 48, 8948-8958.	1.1	31
137	Electron distribution in pseudomorphic Al _{0.30} Ga _{0.70} As/ In _{0.15} Ga _{0.85} As/GaAs δ -doped heterostructures. Journal of Applied Physics, 1993, 74, 1161-1168.	1.1	25
138	Electric field dependence of exciton spin relaxation in GaAs/AlGaAs quantum wells. Applied Physics Letters, 1993, 63, 3164-3166.	1.5	54
139	Optimization of charge transfer to the active channel in δ -doped heterostructures. Journal of Applied Physics, 1993, 74, 2613-2618.	1.1	2
140	Spin dynamics in doped and intrinsic GaAs quantum wells. Physica Scripta, 1993, T49B, 464-469.	1.2	1
141	Theory of Spin Dynamics of Excitons and Free Carriers in Quantum Wells. , 1993, , 201-211.		1
142	Theory of luminescence polarization anisotropy in quantum wires. Physical Review B, 1992, 45, 9443-9446.	1.1	58
143	Tailoring infrared optical properties with superlattices of superlattices. Physical Review B, 1992, 46, 7787-7793.	1.1	5
144	Quasiparticle properties of Fe, Co, and Ni. Physical Review B, 1992, 45, 13272-13284.	1.1	94

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145	Perturbation theory of the electronic properties in strongly correlated solids. <i>Physical Review B</i> , 1991, 43, 1637-1650.	1.1	44
146	Infrared optical properties of lateral superlattices on vicinal planes. <i>Applied Physics Letters</i> , 1991, 59, 2010-2012.	1.5	3
147	Absence of spin polarization in the thermocurrent emitted by a cesiated ferromagnetic iron surface. <i>Physical Review B</i> , 1991, 44, 13678-13680.	1.1	4
148	Subpicosecond spin relaxation dynamics of excitons and free carriers in GaAs quantum wells. <i>Physical Review Letters</i> , 1991, 67, 3432-3435.	2.9	336
149	Tunneling cyclotron resonance and the renormalized effective mass in semiconductor barriers. <i>Physical Review Letters</i> , 1990, 64, 471-474.	2.9	57
150	Effect of finite hole mass on edge singularities in optical spectra. <i>Physical Review Letters</i> , 1990, 65, 1048-1051.	2.9	99
151	Carrier relaxation and luminescence polarization in quantum wells. <i>Physical Review B</i> , 1990, 42, 7114-7123.	1.1	88
152	Exchange-correlation potentials in Schottky barriers and heterojunctions. <i>Physical Review Letters</i> , 1990, 65, 2083-2083.	2.9	17
153	Hole relaxation and luminescence polarization in doped and undoped quantum wells. <i>Physical Review Letters</i> , 1990, 64, 3070-3073.	2.9	147
154	The Beginnings and Some Thoughts on the Future. <i>Advances in Quantum Chemistry</i> , 1990, 21, 7-26.	0.4	57
155	Many-body theory of magneto-optical spectra in doped quantum wells. <i>Physical Review B</i> , 1989, 39, 11044-11049.	1.1	128
156	Valley-mixing effects in short-period superlattices. <i>Physical Review B</i> , 1989, 40, 5567-5578.	1.1	120
157	Classification of Magneto-excitons in Quantum Wells. <i>Springer Series in Solid-state Sciences</i> , 1989, , 232-239.	0.3	2
158	Self-energy operators and exchange-correlation potentials in semiconductors. <i>Physical Review B</i> , 1988, 37, 10159-10175.	1.1	1,246
159	Comment on "Density-functional treatment of an exactly solvable semiconductor model". <i>Physical Review Letters</i> , 1988, 60, 1582-1582.	2.9	12
160	Density-functional theory in insulators: Analytical model for ϵ_{xc} , v_{xc} , and the gap correction. <i>Physical Review B</i> , 1988, 38, 13361-13370.	1.1	29
161	Theory of magneto-optical properties in quantum wells of narrow-gap semiconductors. <i>Physical Review B</i> , 1988, 38, 9810-9818.	1.1	9
162	Inhomogeneous excited states in superconductors. <i>Physical Review B</i> , 1988, 38, 5084-5086.	1.1	5

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163	Tuning of the valence-band structure of GaAs quantum wells by uniaxial stress. Physical Review Letters, 1987, 58, 1150-1153.	2.9	82
164	Quasiparticle energies in GaAs and AlAs. Physical Review B, 1987, 35, 4170-4171.	1.1	173
165	Trends in self-energy operators and their corresponding exchange-correlation potentials. Physical Review B, 1987, 36, 6497-6500.	1.1	449
166	Theory of magnetoexcitons in quantum wells. Physical Review Letters, 1987, 58, 2598-2601.	2.9	148
167	Theory of p- Type Inversion Layers in Magnetic Fields. Springer Series in Solid-state Sciences, 1987, , 288-294.	0.3	3
168	Accurate Exchange-Correlation Potential for Silicon and Its Discontinuity on Addition of an Electron. Physical Review Letters, 1986, 56, 2415-2418.	2.9	732
169	Valence-band coupling and Fano-resonance effects on the excitonic spectrum in undoped quantum wells. Physical Review B, 1986, 34, 3917-3923.	1.1	141
170	Interface states and subbands in HgTe-CdTe heterostructures. Physical Review B, 1985, 32, 5561-5563.	1.1	95
171	Holes at GaAs-Al _x Ga _{1-x} As heterojunctions in magnetic fields. Physical Review B, 1985, 32, 6630-6633.	1.1	66
172	Calculation of the Kohn-Sham potential and its discontinuity for a model-semiconductor. Physical Review B, 1985, 32, 3890-3899.	1.1	75
173	Effective masses of holes at GaAs-AlGaAs heterojunctions. Physical Review B, 1985, 31, 888-892.	1.1	445
174	Exchange and correlation in density-functional theory. Physical Review B, 1985, 32, 3876-3882.	1.1	169
175	Density-functional theory of the band gap. Physical Review B, 1985, 32, 3883-3889.	1.1	320
176	Excitonic effect in the optical spectrum of semiconductors. Physical Review B, 1985, 31, 2092-2098.	1.1	44
177	Enhanced far-infrared absorption in CePd ₃ and YbCu ₂ Si ₂ . III. Comparison of a resonant-scattering model with experiment. Physical Review B, 1984, 30, 3068-3072.	1.1	16
178	Enhanced far-infrared absorption in CePd ₃ and YbCu ₂ Si ₂ . II. Infrared-active optic phonons in metals. Physical Review B, 1984, 30, 3062-3067.	1.1	8
179	Superconductivity from nonphonon interactions. Physical Review B, 1984, 29, 6132-6142.	1.1	143
180	A theory of superconducting transition temperature for non-phonon interactions. Journal of Low Temperature Physics, 1983, 50, 391-402.	0.6	20

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181	Density-Functional Theory of the Energy Gap. Physical Review Letters, 1983, 51, 1888-1891.	2.9	1,636
182	Role of electron Coulomb interaction in superconductivity. Physical Review B, 1983, 28, 5100-5108.	1.1	128
183	Valley phase transition of Si inversion layers in high magnetic fields. , 1983, , 143-146.		0
184	Valley phase transition of a Si inversion layer in high magnetic fields. Physical Review B, 1982, 26, 5611-5616.	1.1	1
185	Effective-mass theory for electrons in heterostructures. Journal of Vacuum Science and Technology, 1982, 21, 544-547.	1.9	28
186	Electronic Properties of Flat-Band Semiconductor Heterostructures. Physical Review Letters, 1981, 47, 879-882.	2.9	260
187	Theory of electron-avalanche breakdown in solids. Physical Review B, 1981, 24, 3519-3536.	1.1	241
188	Many-particle effects in the optical spectrum of a semiconductor. Physical Review B, 1980, 21, 4656-4673.	1.1	423
189	Interaction-Induced Transition at Low Densities in Silicon Inversion Layer. Physical Review Letters, 1979, 43, 1529-1532.	2.9	62
190	Many-Particle Effects in the Optical Excitations of a Semiconductor. Physical Review Letters, 1979, 43, 387-390.	2.9	226
191	Effective-mass approximation in the presence of an interface. Physical Review B, 1979, 20, 734-747.	1.1	123
192	Perturbation Approach to Lattice Instabilities in Quasi-One-Dimensional Conductors. , 1979, , 227-245.		5
193	Valley-Valley Splitting in Inversion Layers on a High-Index Surface of Silicon. Physical Review Letters, 1978, 40, 472-475.	2.9	106
194	Electrodynamics of quasi-two-dimensional electrons. Physical Review B, 1977, 16, 651-661.	1.1	220
195	Theory of Structural Variation in a Quasi-One-Dimensional Conductor. Physical Review Letters, 1976, 36, 733-736.	2.9	29
196	Effect of impurity on a Peierls transition. Physical Review B, 1976, 13, 3151-3153.	1.1	137
197	Charge-density wave stacking order in $1T\text{-Ta}_x\text{Zr}_{1-x}\text{Se}_2$: Interlayer interactions and impurity (Zr) effects. Physical Review B, 1976, 14, 3432-3437.	1.1	127
198	Transport properties of the Peierls system. , 1975, , 272-281.		1

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199	Microscopic theory of the driving force in electromigration. Physical Review B, 1975, 12, 3142-3149.	1.1	83
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