

Lu Jeu Sham

List of Publications by Year in descending order

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234
papers

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citations

9234

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240
docs citations

240
times ranked

39018
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Consistent Equations Including Exchange and Correlation Effects. Physical Review, 1965, 140, A1133-A1138.	2.7	51,399
2	Density-Functional Theory of the Energy Gap. Physical Review Letters, 1983, 51, 1888-1891.	2.9	1,636
3	Self-energy operators and exchange-correlation potentials in semiconductors. Physical Review B, 1988, 37, 10159-10175.	1.1	1,246
4	Self-Consistent Equations Including Exchange and Correlation Effects. Physical Review, 1965, 140, A1133-A1138.	2.7	1,056
5	One-Particle Properties of an Inhomogeneous Interacting Electron Gas. Physical Review, 1966, 145, 561-567.	2.7	897
6	An All-Optical Quantum Gate in a Semiconductor Quantum Dot. Science, 2003, 301, 809-811.	6.0	816
7	Accurate Exchange-Correlation Potential for Silicon and Its Discontinuity on Addition of an Electron. Physical Review Letters, 1986, 56, 2415-2418.	2.9	732
8	Rabi Oscillations of Excitons in Single Quantum Dots. Physical Review Letters, 2001, 87, 133603.	2.9	627
9	Exciton spin dynamics in quantum wells. Physical Review B, 1993, 47, 15776-15788.	1.1	527
10	Quantum Density Oscillations in an Inhomogeneous Electron Gas. Physical Review, 1965, 137, A1697-A1705.	2.7	508
11	Trends in self-energy operators and their corresponding exchange-correlation potentials. Physical Review B, 1987, 36, 6497-6500.	1.1	449
12	Effective masses of holes at GaAs-AlGaAs heterojunctions. Physical Review B, 1985, 31, 888-892.	1.1	445
13	Many-particle effects in the optical spectrum of a semiconductor. Physical Review B, 1980, 21, 4656-4673.	1.1	423
14	Spin-based logic in semiconductors for reconfigurable large-scale circuits. Nature, 2007, 447, 573-576.	13.7	383
15	General Theory of Pseudopotentials. Physical Review, 1962, 127, 276-282.	2.7	356
16	Many-Particle Derivation of the Effective-Mass Equation for the Wannier Exciton. Physical Review, 1966, 144, 708-714.	2.7	351
17	Subpicosecond spin relaxation dynamics of excitons and free carriers in GaAs quantum wells. Physical Review Letters, 1991, 67, 3432-3435.	2.9	336
18	Density-functional theory of the band gap. Physical Review B, 1985, 32, 3883-3889.	1.1	320

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19	Coherent Optical Spectroscopy of a Strongly Driven Quantum Dot. <i>Science</i> , 2007, 317, 929-932.	6.0	314
20	Theory of electron spin decoherence by interacting nuclear spins in a quantum dot. <i>Physical Review B</i> , 2006, 74, .	1.1	264
21	Application of a Self-Consistent Scheme Including Exchange and Correlation Effects to Atoms. <i>Physical Review</i> , 1966, 144, 1-4.	2.7	261
22	Electronic Properties of Flat-Band Semiconductor Heterostructures. <i>Physical Review Letters</i> , 1981, 47, 879-882.	2.9	260
23	Electronic Contribution to Lattice Dynamics in Insulating Crystals. <i>Physical Review</i> , 1969, 188, 1431-1439.	2.7	250
24	Stimulated and Spontaneous Optical Generation of Electron Spin Coherence in Charged GaAs Quantum Dots. <i>Physical Review Letters</i> , 2005, 94, 227403.	2.9	249
25	Fast Spin State Initialization in a Singly Charged InAs-GaAs Quantum Dot by Optical Cooling. <i>Physical Review Letters</i> , 2007, 99, 097401.	2.9	245
26	Theory of electron-avalanche breakdown in solids. <i>Physical Review B</i> , 1981, 24, 3519-3536.	1.1	241
27	Exciton dynamics in GaAs quantum wells under resonant excitation. <i>Physical Review B</i> , 1994, 50, 10868-10879.	1.1	241
28	Optically Induced Entanglement of Excitons in a Single Quantum Dot. <i>Science</i> , 2000, 289, 1906-1909.	6.0	233
29	Many-Particle Effects in the Optical Excitations of a Semiconductor. <i>Physical Review Letters</i> , 1979, 43, 387-390.	2.9	226
30	Local-field and excitonic effects in the optical spectrum of a covalent crystal. <i>Physical Review B</i> , 1975, 12, 4501-4511.	1.1	222
31	Electrodynamics of quasi-two-dimensional electrons. <i>Physical Review B</i> , 1977, 16, 651-661.	1.1	220
32	Coherent population trapping of an electron spin in a single negatively charged quantum dot. <i>Nature Physics</i> , 2008, 4, 692-695.	6.5	215
33	Optically controlled locking of the nuclear field via coherent dark-state spectroscopy. <i>Nature</i> , 2009, 459, 1105-1109.	13.7	208
34	Control of Exciton Dynamics in Nanodots for Quantum Operations. <i>Physical Review Letters</i> , 2001, 87, 067401.	2.9	190
35	Theory of Control of the Spin-Photon Interface for Quantum Networks. <i>Physical Review Letters</i> , 2005, 95, 030504.	2.9	175
36	Quasiparticle energies in GaAs and AlAs. <i>Physical Review B</i> , 1987, 35, 4170-4171.	1.1	173

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37	Exchange and correlation in density-functional theory. <i>Physical Review B</i> , 1985, 32, 3876-3882.	1.1	169
38	Optical RKKY Interaction between Charged Semiconductor Quantum Dots. <i>Physical Review Letters</i> , 2002, 89, 167402.	2.9	163
39	Theory of quantum optical control of a single spin in a quantum dot. <i>Physical Review B</i> , 2004, 69, .	1.1	160
40	Exciton-Exciton Correlation in the Nonlinear Optical Regime. <i>Physical Review Letters</i> , 1995, 74, 4698-4701.	2.9	150
41	Theory of magnetoexcitons in quantum wells. <i>Physical Review Letters</i> , 1987, 58, 2598-2601.	2.9	148
42	Hole relaxation and luminescence polarization in doped and undoped quantum wells. <i>Physical Review Letters</i> , 1990, 64, 3070-3073.	2.9	147
43	Superconductivity from nonphonon interactions. <i>Physical Review B</i> , 1984, 29, 6132-6142.	1.1	143
44	Valence-band coupling and Fano-resonance effects on the excitonic spectrum in undoped quantum wells. <i>Physical Review B</i> , 1986, 34, 3917-3923.	1.1	141
45	Restoring Coherence Lost to a Slow Interacting Mesoscopic Spin Bath. <i>Physical Review Letters</i> , 2007, 98, 077602.	2.9	138
46	Effect of impurity on a Peierls transition. <i>Physical Review B</i> , 1976, 13, 3151-3153.	1.1	137
47	Dielectric Response in the Wannier Representation: Application to the Optical Spectrum of Diamond. <i>Physical Review Letters</i> , 1974, 33, 582-585.	2.9	136
48	Biexciton Quantum Coherence in a Single Quantum Dot. <i>Physical Review Letters</i> , 2002, 88, 117901.	2.9	135
49	Role of electron Coulomb interaction in superconductivity. <i>Physical Review B</i> , 1983, 28, 5100-5108.	1.1	128
50	Many-body theory of magneto-optical spectra in doped quantum wells. <i>Physical Review B</i> , 1989, 39, 11044-11049.	1.1	128
51	Charge-density wave stacking order in $1T\bar{a}Ta1\hat{x}ZrxSe2$: Interlayer interactions and impurity (Zr) effects. <i>Physical Review B</i> , 1976, 14, 3432-3437.	1.1	127
52	Theory of electronic ferroelectricity. <i>Physical Review B</i> , 1996, 54, 17452-17463.	1.1	126
53	Effective-mass approximation in the presence of an interface. <i>Physical Review B</i> , 1979, 20, 734-747.	1.1	123
54	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

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55	Valley-mixing effects in short-period superlattices. <i>Physical Review B</i> , 1989, 40, 5567-5578.	1.1	120
56	Proposal for optical U(1) rotations of electron spin trapped in a quantum dot. <i>Physical Review B</i> , 2006, 74, .	1.1	111
57	Theory of exciton-exciton correlation in nonlinear optical response. <i>Physical Review B</i> , 1998, 58, 12920-12936.	1.1	108
58	Valley-Valley Splitting in Inversion Layers on a High-Index Surface of Silicon. <i>Physical Review Letters</i> , 1978, 40, 472-475.	2.9	106
59	Quantum computing by optical control of electron spins. <i>Advances in Physics</i> , 2010, 59, 703-802.	35.9	102
60	Conductivity, Superconductivity, and the Peierls Instability. <i>Physical Review Letters</i> , 1973, 31, 631-634.	2.9	100
61	Effect of finite hole mass on edge singularities in optical spectra. <i>Physical Review Letters</i> , 1990, 65, 1048-1051.	2.9	99
62	Linking entanglement and quantum phase transitions via density-functional theory. <i>Physical Review A</i> , 2006, 74, .	1.0	97
63	Interface states and subbands in HgTe-CdTe heterostructures. <i>Physical Review B</i> , 1985, 32, 5561-5563.	1.1	95
64	Quasiparticle properties of Fe, Co, and Ni. <i>Physical Review B</i> , 1992, 45, 13272-13284.	1.1	94
65	Ultrafast Quenching of Ferromagnetism in InMnAs Induced by Intense Laser Irradiation. <i>Physical Review Letters</i> , 2005, 95, 167401.	2.9	94
66	Control of electron spin decoherence caused by electronâ€“nuclear spin dynamics in a quantum dot. <i>New Journal of Physics</i> , 2007, 9, 226-226.	1.2	92
67	Carrier relaxation and luminescence polarization in quantum wells. <i>Physical Review B</i> , 1990, 42, 7114-7123.	1.1	88
68	Spin Accumulation in Forward-Biased MnAs/GaAs Schottky Diodes. <i>Physical Review Letters</i> , 2004, 93, 097602.	2.9	88
69	Ultrafast magneto-optics in ferromagnetic IIIâ€“V semiconductors. <i>Journal of Physics Condensed Matter</i> , 2006, 18, R501-R530.	0.7	85
70	Microscopic theory of the driving force in electromigration. <i>Physical Review B</i> , 1975, 12, 3142-3149.	1.1	83
71	Tuning of the valence-band structure of GaAs quantum wells by uniaxial stress. <i>Physical Review Letters</i> , 1987, 58, 1150-1153.	2.9	82
72	Equilibrium Approach to Second Sound in Solids. <i>Physical Review</i> , 1967, 156, 494-500.	2.7	79

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73	Ultrafast demagnetization in the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{s} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{p} \langle \text{mml:mi} \rangle \langle \text{mml:mtext} \rangle \hat{\alpha} \langle \text{mml:mtext} \rangle \langle \text{mml:mi} \rangle \text{d} \langle \text{mml:mi} \rangle \text{z} \langle \text{mml:mi} \rangle \text{z} \langle \text{mml:mi} \rangle \text{z}$ system. A theoretical study. Physical Review B, 2007, 76, .		
74	Calculation of the Kohn-Sham potential and its discontinuity for a model-semiconductor. Physical Review B, 1985, 32, 3890-3899.	1.1	75
75	Fast Spin Rotations by Optically Controlled Geometric Phases in a Charge-Tunable InAs Quantum Dot. Physical Review Letters, 2010, 104, 167401.	2.9	74
76	Linear and Nonlinear Optical Characteristics of the Falicov-Kimball Model. Physical Review Letters, 1996, 76, 3384-3387.	2.9	73
77	Single-electron spin decoherence by nuclear spin bath: Linked-cluster expansion approach. Physical Review B, 2007, 75, .	1.1	73
78	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
79	Spin Polarization of Semiconductor Carriers by Reflection off a Ferromagnet. Physical Review Letters, 2002, 89, 156601.	2.9	71
80	Spin Extraction Theory and Its Relevance to Spintronics. Physical Review Letters, 2007, 98, 046602.	2.9	70
81	Holes at GaAs-AlxGa1-xAs heterojunctions in magnetic fields. Physical Review B, 1985, 32, 6630-6633.	1.1	66
82	Theory of Multiphonon Absorption in Insulating Crystals. Physical Review B, 1973, 8, 3037-3048.	1.1	65
83	Exchange and Correlation in the Electron Gas. Physical Review B, 1973, 7, 4357-4363.	1.1	64
84	Theory of the Shallow Impurity States in Semiconductors. Physical Review, 1966, 150, 720-727.	2.7	63
85	Fluctuation Conductivity in the Incommensurate Peierls System. Physical Review Letters, 1974, 33, 638-641.	2.9	63
86	Surface Structure of Electron-Hole Droplets. Physical Review Letters, 1973, 31, 533-536.	2.9	62
87	Interaction-Induced Transition at Low Densities in Silicon Inversion Layer. Physical Review Letters, 1979, 43, 1529-1532.	2.9	62
88	Selective Optical Control of Electron Spin Coherence in Singly Charged $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mi} \rangle \text{GaAs} \langle \text{mml:mi} \rangle \langle \text{mml:mtext} \text{mathvariant="normal" \rangle} \hat{\alpha} \langle \text{mml:mtext} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Al} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 0.3 \langle \text{mml:mtext} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{z} \langle \text{mml:mi} \rangle \text{z}$ Dots. Physical Review Letters, 2007, 99, 097402.	2.9	62
89	Demonstration of Sixth-Order Coulomb Correlations in a Semiconductor Single Quantum Well. Physical Review Letters, 2000, 85, 2002-2005.	2.9	60
90	Unified theory of consequences of spontaneous emission in $\hat{\alpha}$ system. Physical Review B, 2005, 71, .	1.1	59

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91	Theory of luminescence polarization anisotropy in quantum wires. <i>Physical Review B</i> , 1992, 45, 9443-9446.	1.1	58
92	Tunneling cyclotron resonance and the renormalized effective mass in semiconductor barriers. <i>Physical Review Letters</i> , 1990, 64, 471-474.	2.9	57
93	The Beginnings and Some Thoughts on the Future. <i>Advances in Quantum Chemistry</i> , 1990, 21, 7-26.	0.4	57
94	Interacting Electron Theory of Coherent Nonlinear Response. <i>Physical Review Letters</i> , 1994, 73, 3310-3313.	2.9	56
95	Spin relaxation in semiconductor quantum wells. <i>Journal of Physics Condensed Matter</i> , 1993, 5, A51-A60.	0.7	54
96	Electric field dependence of exciton spin relaxation in GaAs/AlGaAs quantum wells. <i>Applied Physics Letters</i> , 1993, 63, 3164-3166.	1.5	54
97	Electron-Phonon Interaction by the Method of Pseudo-potentials. <i>Proceedings of the Physical Society</i> , 1961, 78, 895-902.	1.6	53
98	Theory of ferromagnetism in planar heterostructures of (Mn,III)-V semiconductors. <i>Physical Review B</i> , 2001, 64, .	1.1	53
99	Theory of fast quantum control of exciton dynamics in semiconductor quantum dots. <i>Physical Review B</i> , 2002, 65, .	1.1	53
100	Polariton-Biexciton Transitions in a Semiconductor Microcavity. <i>Physical Review Letters</i> , 2000, 84, 2215-2218.	2.9	50
101	Single Charged Quantum Dot in a Strong Optical Field: Absorption, Gain, and the ac-Stark Effect. <i>Physical Review Letters</i> , 2008, 101, 227401.	2.9	49
102	Lattice Dynamics of Nb ₃ Sn-Type Compounds. <i>Physical Review Letters</i> , 1971, 27, 1725-1728.	2.9	47
103	Local Exchange Approximations and the Virial Theorem. <i>Physical Review A</i> , 1970, 1, 969-970.	1.0	46
104	First-principles calculations of the specific-heat mass enhancements in UIr ₃ , UPt ₃ , and UAu ₃ . <i>Physical Review Letters</i> , 1994, 72, 2923-2926.	2.9	46
105	Excitonic effect in the optical spectrum of semiconductors. <i>Physical Review B</i> , 1985, 31, 2092-2098.	1.1	44
106	Perturbation theory of the electronic properties in strongly correlated solids. <i>Physical Review B</i> , 1991, 43, 1637-1650.	1.1	44
107	Spin-dependent properties of a two-dimensional electron gas with ferromagnetic gates. <i>Applied Physics Letters</i> , 2002, 81, 4781-4783.	1.5	44
108	Theory of Lattice Dynamics of Nb ₃ Sn-Type Compounds. <i>Physical Review B</i> , 1972, 6, 3584-3592.	1.1	42

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109	Boundary conditions for envelope functions at interfaces between dissimilar materials. Physical Review B, 1994, 49, 10533-10543.	1.1	41
110	Ultrasonic Attenuation Due to Electron-Phonon Interaction in Potassium. Physical Review B, 1970, 1, 4546-4551.	1.1	40
111	Theory of Spin Beatings in the Faraday Rotation of Semiconductors. Physical Review Letters, 1995, 75, 2554-2557.	2.9	40
112	Evidence of six-particle Coulomb correlations in six-wave-mixing signals from a semiconductor quantum well. Physical Review B, 2001, 63, .	1.1	39
113	Lateral diffusive spin transport in layered structures. Physical Review B, 2006, 73, .	1.1	39
114	Coherently Photoinduced Ferromagnetism in Diluted Magnetic Semiconductors. Physical Review Letters, 2004, 93, 127201.	2.9	38
115	Ultrafast optical control of electron spin coherence in charged GaAs quantum dots. Physical Review B, 2006, 74, .	1.1	38
116	Femtosecond demagnetization and hot-hole relaxation in ferromagnetic GaMnAs . Physical Review B, 2008, 77, .	1.1	37
117	Optically controlled logic gates for two spin qubits in vertically coupled quantum dots. Physical Review B, 2007, 75, .	1.1	34
118	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
119	Exchange-correlation potentials at semiconductor interfaces. Physical Review B, 1994, 49, 1849-1857.	1.1	31
120	Temperature Propagation in Anharmonic Solids. Physical Review, 1967, 163, 401-407.	2.7	29
121	Theory of Structural Phase Transition in Nb_3Sn . Physical Review B, 1973, 8, 2468-2475.	1.1	29
122	Theory of Structural Variation in a Quasi-One-Dimensional Conductor. Physical Review Letters, 1976, 36, 733-736.	2.9	29
123	Density-functional theory in insulators: Analytical model for ϵ_{xc} , v_{xc} , and the gap correction. Physical Review B, 1988, 38, 13361-13370.	1.1	29
124	Nanodot-Cavity Electrodynamics and Photon Entanglement. Physical Review Letters, 2004, 92, 217402.	2.9	29
125	Spin transference and magnetoresistance amplification in a transistor. Physical Review B, 2006, 73, .	1.1	29
126	Temperature Dependence of Multiphonon Infrared Absorption. Physical Review Letters, 1973, 31, 714-717.	2.9	28

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127	Effective mass theory for electrons in heterostructures. Journal of Vacuum Science and Technology, 1982, 21, 544-547.	1.9	28
128	Optically controlled single-qubit rotations in self-assembled InAs quantum dots. Journal of Physics Condensed Matter, 2007, 19, 056203.	0.7	28
129	Direct detection of time-resolved Rabi oscillations in a single quantum dot via resonance fluorescence. Physical Review B, 2013, 87, .	1.1	26
130	Microscopic Theory of Lattice Dynamics in Conducting Crystals. Physical Review B, 1972, 6, 3581-3584.	1.1	25
131	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
132	Collective Oscillations Driven by Correlation in the Nonlinear Optical Regime. Physical Review Letters, 1999, 83, 3510-3513.	2.9	24
133	General theory of feedback control of a nuclear spin ensemble in quantum dots. Physical Review B, 2013, 88, .	1.1	23
134	Explicit exponential frequency dependence of multiphonon infrared absorption. Physical Review B, 1974, 9, 827-829.	1.1	22
135	Electronic four-particle correlations in semiconductors: Renormalization of coherent pump-probe oscillations. Physical Review B, 2000, 61, R7835-R7837.	1.1	22
136	Coherent control of cavity quantum electrodynamics for quantum nondemolition measurements and ultrafast cooling. Physical Review B, 2005, 72, .	1.1	21
137	Collective nuclear stabilization in single quantum dots by noncollinear hyperfine interaction. Physical Review B, 2012, 85, .	1.1	21
138	A theory of superconducting transition temperature for non-phonon interactions. Journal of Low Temperature Physics, 1983, 50, 391-402.	0.6	20
139	Dynamics revealed by correlations of time-distributed weak measurements of a single spin. New Journal of Physics, 2010, 12, 013018.	1.2	19
140	Persistent Narrowing of Nuclear-Spin Fluctuations in InAs Quantum Dots Using Laser Excitation. Physical Review Letters, 2012, 108, 187401.	2.9	19
141	Quantum dynamics of a nanomagnet driven by spin-polarized current. Physical Review B, 2012, 85, .	1.1	19
142	Exchange-correlation potentials in Schottky barriers and heterojunctions. Physical Review Letters, 1990, 65, 2083-2083.	2.9	17
143	Raman coherence beats from the entangled state involving polarized excitons in single quantum dots. Physical Review B, 2004, 70, .	1.1	17
144	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

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145	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
146	SEMICONDUCTOR DEVICES: Closer to Coherence Control. <i>Science</i> , 1997, 277, 1258-1259.	6.0	15
147	Free Energy of an Anharmonic Crystal. <i>Physical Review</i> , 1965, 139, A1189-A1193.	2.7	14
148	Kondo Insulator:p-wave Bose Condensate of Excitons. <i>Physical Review Letters</i> , 1997, 79, 2097-2100.	2.9	14
149	Josephson oscillations between exciton condensates in electrostatic traps. <i>Physical Review B</i> , 2009, 80, .	1.1	14
150	Theory of spin transport induced by ferromagnetic proximity on a two-dimensional electron gas. <i>Physical Review B</i> , 2004, 69, .	1.1	13
151	Coherent Transport in a Homojunction between an Excitonic Insulator and Semimetal. <i>Physical Review Letters</i> , 2005, 94, 186404.	2.9	13
152	Picosecond optical spectroscopy of a single negatively charged self-assembled InAs quantum dot. <i>Applied Physics Letters</i> , 2010, 97, 113110.	1.5	13
153	Optically controlled phase gate for two spin qubits in coupled quantum dots. <i>Physical Review B</i> , 2012, 85, .	1.1	13
154	Discovery of a photoresponse amplification mechanism in compensated PN junctions. <i>Applied Physics Letters</i> , 2015, 106, 031103.	1.5	13
155	Cycling excitation process: An ultra efficient and quiet signal amplification mechanism in semiconductor. <i>Applied Physics Letters</i> , 2015, 107, 053505.	1.5	13
156	Thermodynamics of Pressure Effects in V3Si and V3Ge. <i>Physical Review B</i> , 1971, 4, 3951-3953.	1.1	12
157	Comment on "Density-functional treatment of an exactly solvable semiconductor model". <i>Physical Review Letters</i> , 1988, 60, 1582-1582.	2.9	12
158	Excitonic effects in linear and nonlinear optical properties of C60. <i>Physical Review B</i> , 1999, 59, 1857-1869.	1.1	12
159	Theory of control of the dynamics of the interface between stationary and flying qubits. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2005, 7, S318-S325.	1.4	12
160	Indirect coupling between spins in semiconductor quantum dots. <i>Physical Review B</i> , 2005, 71, .	1.1	12
161	Electric readout of magnetization dynamics in a ferromagnet-semiconductor system. <i>Applied Physics Letters</i> , 2006, 89, 042105.	1.5	12
162	Many-body interaction in semiconductors probed with two-dimensional Fourier spectroscopy. <i>Physical Review B</i> , 2007, 76, .	1.1	11

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163	Adiabatic optical entanglement between electron spins in separate quantum dots. Physical Review B, 2008, 78, .	1.1	11
164	Quantum approach of mesoscopic magnet dynamics with spin transfer torque. Physical Review B, 2013, 87, .	1.1	10
165	A Calculation of Deformation Potentials in Silicon. Proceedings of the Physical Society, 1963, 81, 934-937.	1.6	9
166	Theory of magneto-optical properties in quantum wells of narrow-gap semiconductors. Physical Review B, 1988, 38, 9810-9818.	1.1	9
167	Thermoelectric properties of junctions between metal and strongly correlated semiconductor. Applied Physics Letters, 2000, 77, 3033-3035.	1.5	9
168	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
169	Spintronics for electrical measurement of light polarization. Journal of Applied Physics, 2006, 100, 063713.	1.1	8
170	Precision of electromagnetic control of a quantum system. Physical Review A, 2011, 84, .	1.0	8
171	Robust Distant Entanglement Generation Using Coherent Multiphoton Scattering. Physical Review Letters, 2013, 110, 070501.	2.9	7
172	Coherent Control to Prepare an InAs Quantum Dot for Spin-Photon Entanglement. Physical Review Letters, 2014, 112, 126801.	2.9	7
173	Photoluminescence spectral switching of single CdSe/ZnS colloidal nanocrystals in poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 11	1.1	6
174	Optically manipulating spins in semiconductor quantum dots. Journal of Applied Physics, 2007, 101, 081721.	1.1	6
175	Stimulated Raman spin coherence and spin-flip induced hole burning in charged GaAs quantum dots. Physical Review B, 2008, 77, .	1.1	6
176	Proposal for efficient generation of spin-polarized current in silicon. Applied Physics Letters, 2010, 96, 212107.	1.5	6
177	Theory of atomistic simulation of spin-transfer torque in nanomagnets. Physical Review B, 2013, 87, .	1.1	6
178	Relation between Landau Fermi-Liquid Parameters and High-Temperature Resistivity in Simple Metals. Physical Review, 1969, 188, 1108-1110.	2.7	5
179	Ultrasonic Attenuation Due to Electron-Phonon Interaction in Potassium. Physical Review B, 1971, 4, 674-674.	1.1	5
180	Inhomogeneous excited states in superconductors. Physical Review B, 1988, 38, 5084-5086.	1.1	5

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