

# Jörn M Hvam

## List of Publications by Year in descending order

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Waveguiding in Surface Plasmon Polariton Band Gap Structures. <i>Physical Review Letters</i> , 2001, 86, 3008-3011.	7.8	455
2	Subpicosecond Time-Resolved Raman Spectroscopy of LO Phonons in GaAs. <i>Physical Review Letters</i> , 1985, 54, 2151-2154.	7.8	390
3	Ultra-low-loss inverted taper coupler for silicon-on-insulator ridge waveguide. <i>Optics Communications</i> , 2010, 283, 3678-3682.	2.1	261
4	Long Lived Coherence in Self-Assembled Quantum Dots. <i>Physical Review Letters</i> , 2001, 87, 227401.	7.8	211
5	Binding of Quasi-Two-Dimensional Biexcitons. <i>Physical Review Letters</i> , 1996, 76, 672-675.	7.8	188
6	Spectral hole-burning and carrier-heating dynamics in InGaAs quantum-dot amplifiers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2000, 6, 544-551.	2.9	161
7	Silicon-on-insulator polarization splitting and rotating device for polarization diversity circuits. <i>Optics Express</i> , 2011, 19, 12646.	3.4	159
8	Ultrafast gain dynamics in InAs-InGaAs quantum-dot amplifiers. <i>IEEE Photonics Technology Letters</i> , 2000, 12, 594-596.	2.5	156
9	Dispersive Transport and Recombination Lifetime in Phosphorus-Doped Hydrogenated Amorphous Silicon. <i>Physical Review Letters</i> , 1981, 46, 371-374.	7.8	146
10	Coherent generation and interference of excitons and biexcitons in GaAs/Al <sub>x</sub> Ga <sub>1-x</sub> As quantum wells. <i>Physical Review B</i> , 1993, 47, 2413-2416.	3.2	130
11	Time-Resolved Speckle Analysis: A New Approach to Coherence and Dephasing of Optical Excitations in Solids. <i>Physical Review Letters</i> , 1999, 82, 1040-1043.	7.8	123
12	Dispersion of the second-order nonlinear susceptibility in ZnTe, ZnSe, and ZnS. <i>Physical Review B</i> , 1998, 58, 10494-10501.	3.2	120
13	Size dependence of the wavefunction of self-assembled InAs quantum dots from time-resolved optical measurements. <i>Physical Review B</i> , 2008, 77, .	3.2	119
14	Dephasing in InAs/GaAs quantum dots. <i>Physical Review B</i> , 1999, 60, 7784-7787.	3.2	117
15	Excitons, biexcitons, and phonons in ultrathin CdSe/ZnSe quantum structures. <i>Physical Review B</i> , 1999, 60, 8773-8782.	3.2	115
16	Direct observation of free-exciton thermalization in quantum-well structures. <i>Physical Review B</i> , 1998, 57, 1390-1393.	3.2	114
17	Higher-Order Photon Bunching in a Semiconductor Microcavity. <i>Science</i> , 2009, 325, 297-300.	12.6	106
18	Efficient and compact TE $\leftrightarrow$ TM polarization converter built on silicon-on-insulator platform with a simple fabrication process. <i>Optics Letters</i> , 2011, 36, 1059.	3.3	98

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19	Binding energy of two-dimensional biexcitons. <i>Physical Review B</i> , 1996, 53, 15909-15913.	3.2	96
20	High-efficiency, large-bandwidth silicon-on-insulator grating coupler based on a fully-etched photonic crystal structure. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	96
21	Exciton-exciton interaction and laser emission in high-purity ZnO. <i>Solid State Communications</i> , 1973, 12, 95-97.	1.9	91
22	Nature of nonlinear four-wave-mixing beats in semiconductors. <i>Physical Review B</i> , 1993, 48, 5720-5723.	3.2	86
23	Time-resolved optical characterization of InAs/InGaAs quantum dots emitting at 1.3 $\mu$ m. <i>Applied Physics Letters</i> , 2000, 76, 3430-3432.	3.3	85
24	Optical nonlinearities and phase coherence in CdSe studied by transient four-wave mixing. <i>IEEE Journal of Quantum Electronics</i> , 1989, 25, 904-912.	1.9	83
25	Exciton localization and interface roughness in growth-interrupted GaAs/AlAs quantum wells. <i>Physical Review B</i> , 2000, 61, 10322-10329.	3.2	82
26	Ultrafast local field dynamics in photoconductive THz antennas. <i>Applied Physics Letters</i> , 1993, 62, 1265-1267.	3.3	80
27	Optical anisotropy in vertically coupled quantum dots. <i>Physical Review B</i> , 1999, 60, 16680-16685.	3.2	80
28	Self-phase modulation of a single-cycle terahertz pulse by nonlinear free-carrier response in a semiconductor. <i>Physical Review B</i> , 2012, 85, .	3.2	79
29	Second-harmonic imaging of ferroelectric domain walls. <i>Applied Physics Letters</i> , 1998, 73, 1814-1816.	3.3	77
30	Widely tunable microwave phase shifter based on silicon-on-insulator dual-microring resonator. <i>Optics Express</i> , 2010, 18, 6172.	3.4	76
31	Binding-energy distribution and dephasing of localized biexcitons. <i>Physical Review B</i> , 1997, 55, R7383-R7386.	3.2	75
32	Exciton Interaction in Photoluminescence from ZnO. <i>Physica Status Solidi (B): Basic Research</i> , 1974, 63, 511-517.	1.5	73
33	Temperature-Induced Wavelength Shift of Electron-Beam-Pumped Lasers from CdSe, CdS, and ZnO. <i>Physical Review B</i> , 1971, 4, 4459-4464.	3.2	72
34	Ultra-high-speed wavelength conversion in a silicon photonic chip. <i>Optics Express</i> , 2011, 19, 19886.	3.4	72
35	Dephasing in the quasi-two-dimensional exciton-biexciton system. <i>Physical Review B</i> , 2000, 61, 1692-1695.	3.2	70
36	The Biexciton Levels and Nonlinear Optical Transitions in ZnO. <i>Physica Status Solidi (B): Basic Research</i> , 1983, 118, 179-189.	1.5	68

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37	Phonon-Induced Polariton Superlattices. <i>Physical Review Letters</i> , 2006, 97, 045501.	7.8	68
38	Probing long-lived dark excitons in self-assembled quantum dots. <i>Physical Review B</i> , 2010, 81, .	3.2	67
39	Well-width dependence of exciton-phonon scattering in $\text{In}_x\text{Ga}_{1-x}\text{As}$ /GaAs single quantum wells. <i>Physical Review B</i> , 1999, 59, 2215-2222.	3.2	66
40	Heterodyne pump-probe and four-wave mixing in semiconductor optical amplifiers using balanced lock-in detection. <i>Optics Communications</i> , 1999, 169, 317-324.	2.1	66
41	Optical Waveform Sampling and Error-Free Demultiplexing of 1.28 Tb/s Serial Data in a Nanoengineered Silicon Waveguide. <i>Journal of Lightwave Technology</i> , 2011, 29, 426-431.	4.6	66
42	Luminescence spectra and kinetics of disordered solid solutions. <i>Physical Review B</i> , 1999, 59, 12947-12972.	3.2	65
43	Elastic Scattering Dynamics of Cavity Polaritons: Evidence for Time-Energy Uncertainty and Polariton Localization. <i>Physical Review Letters</i> , 2002, 88, 047401.	7.8	65
44	Low-Jitter and High-Power 40-GHz All-Active Mode-Locked Lasers. <i>IEEE Photonics Technology Letters</i> , 2004, 16, 975-977.	2.5	63
45	Ultrafast gain dynamics in quantum-dot amplifiers: theoretical analysis and experimental investigations. <i>IEEE Journal of Quantum Electronics</i> , 2005, 41, 1115-1123.	1.9	63
46	Controllable delay of ultrashort pulses in a quantum dot optical amplifier. <i>Optics Express</i> , 2005, 13, 8032.	3.4	63
47	Optical dephasing in semiconductor mixed crystals. <i>Physical Review B</i> , 1992, 46, 4564-4581.	3.2	62
48	Structure and optical anisotropy of vertically correlated submonolayer InAs/GaAs quantum dots. <i>Applied Physics Letters</i> , 2003, 82, 3859-3861.	3.3	62
49	Spectrally resolved four-wave mixing in semiconductors: Influence of inhomogeneous broadening. <i>Physical Review B</i> , 1994, 50, 15047-15055.	3.2	61
50	Dynamics of Excitons in CdS, CdSe, and $\text{CdS}_{1-x}\text{Se}_x$ . <i>Physica Status Solidi (B): Basic Research</i> , 1992, 172, 479-519.	1.5	59
51	Tunable Microwave Phase Shifter Based on Silicon-on-Insulator Microring Resonator. <i>IEEE Photonics Technology Letters</i> , 2010, 22, 869-871.	2.5	59
52	Direct recording of optical gain spectra from ZnO. <i>Journal of Applied Physics</i> , 1978, 49, 3124-3126.	2.5	57
53	Frequency dependence of the radiative decay rate of excitons in self-assembled quantum dots: Experiment and theory. <i>Physical Review B</i> , 2009, 80, .	3.2	56
54	Optical gain and induced absorption from excitonic molecules in ZnO. <i>Solid State Communications</i> , 1978, 26, 987-990.	1.9	55

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55	Exciton scattering in quantum wells at low temperatures. <i>Physical Review B</i> , 1993, 47, 6827-6830.	3.2	55
56	1.28-Tb/s Demultiplexing of an OTDM DPSK Data Signal Using a Silicon Waveguide. <i>IEEE Photonics Technology Letters</i> , 2010, 22, 1762-1764.	2.5	53
57	Coherent and Incoherent Exciton Dynamics in Al <sub>x</sub> Ga <sub>1-x</sub> As/GaAs Multiple Quantum Wells. <i>Physica Status Solidi (B): Basic Research</i> , 1992, 173, 53-68.	1.5	52
58	Oxidation of hydrogen-passivated silicon surfaces by scanning near-field optical lithography using uncoated and aluminum-coated fiber probes. <i>Journal of Applied Physics</i> , 1997, 82, 49-53.	2.5	52
59	Stimulated Secondary Emission from Semiconductor Microcavities. <i>Physical Review Letters</i> , 2001, 86, 5791-5794.	7.8	52
60	Interwell excitons in GaAs/AlGaAs double quantum wells and their collective properties. <i>Journal of Experimental and Theoretical Physics</i> , 2000, 90, 1093-1104.	0.9	51
61	Submonolayer InGaAs/GaAs quantum-dot lasers with high modal gain and zero-linewidth enhancement factor. <i>Applied Physics Letters</i> , 2004, 85, 3259-3261.	3.3	51
62	Spontaneous emission from large quantum dots in nanostructures: Exciton-photon interaction beyond the dipole approximation. <i>Physical Review B</i> , 2012, 86, .	3.2	50
63	Localization-enhanced biexciton binding in semiconductors. <i>Physical Review B</i> , 1999, 59, 15405-15408.	3.2	48
64	Mixed biexcitons in single quantum wells. <i>Physical Review B</i> , 1999, 59, 4584-4587.	3.2	47
65	Optimization of the confinement energy of quantum-wire states in T-shaped GaAs/Al <sub>x</sub> Ga <sub>1-x</sub> As structures. <i>Physical Review B</i> , 1996, 54, 14595-14603.	3.2	46
66	Quantum kinetic exciton-LO-phonon interaction in CdSe. <i>Physical Review B</i> , 2000, 61, 1935-1940.	3.2	46
67	Measurement and calculation of the critical pulsewidth for gain saturation in semiconductor optical amplifiers. <i>Optics Communications</i> , 1999, 164, 51-55.	2.1	45
68	Spectral signatures of $\chi^{(5)}$ processes in four-wave mixing of homogeneously broadened excitons. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2001, 18, 1318.	2.1	44
69	Gain dynamics and saturation in semiconductor quantum dot amplifiers. <i>New Journal of Physics</i> , 2004, 6, 178-178.	2.9	44
70	Ultra-high-speed optical serial-to-parallel data conversion by time-domain optical Fourier transformation in a silicon nanowire. <i>Optics Express</i> , 2011, 19, B825.	3.4	44
71	Nonlinear quantum beats of propagating polaritons. <i>Physical Review Letters</i> , 1993, 70, 327-330.	7.8	43
72	Resonant Rayleigh Scattering of Exciton-Polaritons in Multiple Quantum Wells. <i>Physical Review Letters</i> , 2000, 85, 650-653.	7.8	43

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73	Time-resolved four-wave mixing in InAs/InGaAs quantum-dot amplifiers under electrical injection. Applied Physics Letters, 2000, 76, 1380-1382.	3.3	43
74	Silicon Photonics for Signal Processing of Tbit/s Serial Data Signals. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 996-1005.	2.9	43
75	NONLINEAR QUANTUM BEAT SPECTROSCOPY IN SEMICONDUCTORS. International Journal of Modern Physics B, 1994, 08, 73-120.	2.0	42
76	Time-resolved nonlinear luminescence spectroscopy by picosecond excitation correlation. Applied Physics Letters, 1983, 43, 460-462.	3.3	40
77	Continuum contribution to excitonic four-wave mixing due to interaction-induced nonlinearities: A numerical study. Physical Review B, 1997, 55, 2456-2465.	3.2	40
78	Electron microscopic and optical investigations of the indium distribution in GaAs capped In <sub>x</sub> Ga <sub>1-x</sub> As islands. Applied Physics Letters, 1997, 71, 377-379.	3.3	40
79	Interaction-induced effects in the nonlinear coherent response of quantum-well excitons. Physical Review B, 1999, 60, 4454-4457.	3.2	40
80	Optical properties of InAlGaAs quantum wells: Influence of segregation and band bowing. Journal of Applied Physics, 1999, 86, 2584-2589.	2.5	40
81	One-to-six WDM multicasting of DPSK signals based on dual-pump four-wave mixing in a silicon waveguide. Optics Express, 2011, 19, 24448.	3.4	40
82	Binding energy and dephasing of biexcitons in In <sub>0.18</sub> Ga <sub>0.82</sub> As/GaAs single quantum wells. Physical Review B, 1999, 60, 4505-4508.	3.2	39
83	Interaction and dephasing of center-of-mass quantized excitons in wide ZnSe/Zn <sub>0.94</sub> Mg <sub>0.06</sub> Se quantum wells. Physical Review B, 1998, 57, 1791-1796.	3.2	38
84	Measuring the dynamics of second-order photon correlation functions inside a pulse with picosecond time resolution. Optics Express, 2010, 18, 20229.	3.4	38
85	Toward superlensing with metal-dielectric composites and multilayers. Applied Physics B: Lasers and Optics, 2010, 100, 93-100.	2.2	37
86	Continuum contribution to excitonic four-wave mixing due to interaction-induced nonlinearities. Physical Review B, 1996, 54, R14250-R14253.	3.2	35
87	Localization and wave-vector conservation for optical phonons in Al <sub>x</sub> Ga <sub>1-x</sub> As and thin layers of GaAs. Physical Review B, 1988, 38, 5776-5779.	3.2	34
88	Exciton diffusion in CdSe. Physical Review B, 1993, 47, 3582-3587.	3.2	34
89	Biexcitons or bipolaritons in a semiconductor microcavity. Physical Review B, 2000, 62, R7763-R7766.	3.2	34
90	Ultrarrow polaritons in a semiconductor microcavity. Applied Physics Letters, 2000, 76, 3262-3264.	3.3	33

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91	Measurement of pulse amplitude and phase distortion in a semiconductor optical amplifier: from pulse compression to breakup. IEEE Photonics Technology Letters, 2000, 12, 1674-1676.	2.5	33
92	Asymmetric GaAs/AlGaAs T wires with large confinement energies. Applied Physics Letters, 1996, 69, 3248-3250.	3.3	32
93	Phase diagram of a two-dimensional liquid in GaAs/Al <sub>x</sub> Ga <sub>1-x</sub> As biased double quantum wells. Physical Review B, 2000, 61, 8420-8424.	3.2	31
94	Structural and electrooptical characteristics of quantum dots emitting at 1.3 μm on gallium arsenide. IEEE Journal of Quantum Electronics, 2001, 37, 1050-1058.	1.9	31
95	Phase diagram of the Bose condensation of interwell excitons in GaAs/AlGaAs double quantum wells. JETP Letters, 2002, 76, 450-455.	1.4	31
96	Interwell excitons in GaAs superlattices. Physical Review B, 1996, 54, 10316-10319.	3.2	30
97	Coherent optical nonlinearities and phase relaxation of quasi-three-dimensional and quasi-two-dimensional excitons in ZnS <sub>x</sub> Se <sub>1-x</sub> /ZnSe structures. Physical Review B, 1997, 56, 12581-12588.	3.2	30
98	Dispersive transport and trap saturation in doped hydrogenated amorphous silicon. Solid State Communications, 1984, 50, 845-848.	1.9	29
99	Spectral Hole-Burning and Carrier-Heating Dynamics in Quantum-Dot Amplifiers: Comparison with Bulk Amplifiers. Physica Status Solidi (B): Basic Research, 2001, 224, 419-423.	1.5	29
100	High-performance 10 GHz all-active monolithic modelocked semiconductor lasers. Electronics Letters, 2004, 40, 735.	1.0	29
101	Transient four-wave mixing in T-shaped GaAs quantum wires. Physical Review B, 1999, 60, 16667-16674.	3.2	27
102	Large quantum dots with small oscillator strength. Physical Review B, 2010, 82, .	3.2	27
103	Heterodyne technique for measuring the amplitude and phase transfer functions of an optical modulator. IEEE Photonics Technology Letters, 2002, 14, 621-623.	2.5	26
104	New emission line in highly excited GaN. Journal of Luminescence, 1976, 12-13, 611-615.	3.1	25
105	Exciton dephasing in ZnSe quantum wires. Physical Review B, 1998, 57, 1797-1800.	3.2	25
106	Exciton dephasing and biexciton binding in CdSe/ZnSe islands. Physical Review B, 1999, 60, 10640-10643.	3.2	25
107	Polarization insensitive wavelength conversion in a dispersion-engineered silicon waveguide. Optics Express, 2012, 20, 16374.	3.4	25
108	Excitonic Molecule Transitions in ZnO. Physica Status Solidi (B): Basic Research, 1979, 93, 581-590.	1.5	24

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109	Dephasing of localized excitons in CdS <sub>1-x</sub> Se <sub>x</sub> mixed crystals. <i>Physical Review B</i> , 1991, 44, 3413-3416.	3.2	24
110	Direct evidence of reduced dynamic scattering in the lower polariton of a semiconductor microcavity. <i>Physical Review B</i> , 2000, 61, R13377-R13380.	3.2	24
111	Separation of coherent and incoherent nonlinearities in a heterodyne pump-probe experiment. <i>Optics Express</i> , 2000, 7, 107.	3.4	23
112	InGaAs/GaAs quantum-dot quantum-well heterostructure formed by submonolayer deposition. <i>Nanotechnology</i> , 2003, 14, 1259-1261.	2.6	23
113	Design of one-dimensional optical pulse-shaping filters by time-domain topology optimization. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	23
114	Optical Nonlinearity and Phase Coherence in CdSe and CdSe <sub>S<sub>1-x</sub></sub> . <i>Physica Status Solidi (B): Basic Research</i> , 1988, 150, 387-391.	1.5	22
115	Spontaneous photon echo from bound excitons in CdSe. <i>Physical Review B</i> , 1991, 44, 3999-4001.	3.2	22
116	Measurements of exciton diffusion by degenerate four-wave mixing in CdS <sub>1-x</sub> Se <sub>x</sub> . <i>Physical Review B</i> , 1992, 46, 7528-7532.	3.2	22
117	Charged excitonic complexes in GaAs/Al <sub>0.35</sub> Ga <sub>0.65</sub> As p-i-n double quantum wells. <i>Physical Review B</i> , 1999, 60, 8897-8901.	3.2	22
118	Self-mixing interferometry in vertical-cavity surface-emitting lasers for nanomechanical cantilever sensing. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	22
119	(110) oriented GaAs/Al <sub>0.3</sub> Ga <sub>0.7</sub> As quantum wells for optimized T-shaped quantum wires. <i>Applied Physics Letters</i> , 1996, 69, 800-802.	3.3	21
120	Fiber coupled ultrafast scanning tunneling microscope. <i>Journal of Applied Physics</i> , 1997, 81, 2929-2934.	2.5	21
121	Linewidth Statistics of Single InGaAs Quantum Dot Photoluminescence Lines. <i>Physica Status Solidi (B): Basic Research</i> , 2000, 221, 49-53.	1.5	21
122	Optical Nonlinearity and Phase Coherence of Exciton-Biexciton Transition in CdSe. <i>Europhysics Letters</i> , 1987, 4, 839-843.	2.0	20
123	Collective state of interwell excitons in GaAs/AlGaAs double quantum wells under pulse resonance excitation. <i>JETP Letters</i> , 2002, 75, 200-204.	1.4	20
124	Thermalization of free excitons in ZnSe quantum wells. <i>Journal of Crystal Growth</i> , 1998, 184-185, 795-800.	1.5	19
125	Enhancement of exchange interaction in ultrathin CdS/ZnS quantum structures. <i>Solid State Communications</i> , 1998, 106, 653-657.	1.9	19
126	Collective behavior of interwell excitons in GaAs/AlGaAs double quantum wells. <i>JETP Letters</i> , 2000, 71, 117-122.	1.4	19

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127	Homogeneous linewidth of self-assembled III-V quantum dots observed in single-dot photoluminescence. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003, 17, 1-6.	2.7	19
128	Carrier dynamics in submonolayer InGaAs-GaAs quantum dots. <i>Applied Physics Letters</i> , 2006, 89, 013113.	3.3	19
129	Dynamic Spatiotemporal Speed Control of Ultrashort Pulses in Quantum-Dot SOAs. <i>IEEE Journal of Quantum Electronics</i> , 2006, 42, 1047-1054.	1.9	19
130	15-THz Tunable Wavelength Conversion of Picosecond Pulses in a Silicon Waveguide. <i>IEEE Photonics Technology Letters</i> , 2011, 23, 1409-1411.	2.5	19
131	Coherence properties of exciton polariton OPO condensates in one and two dimensions. <i>New Journal of Physics</i> , 2012, 14, 075018.	2.9	19
132	Exciton diffusion and motion of electron-hole drops in Ge. <i>Physical Review B</i> , 1975, 11, 5053-5058.	3.2	18
133	Induced absorption and gain from high density excitons in CdS. <i>Solid State Communications</i> , 1978, 26, 373-376.	1.9	18
134	Coherent and Incoherent Exciton Dynamics in II-VI Semiconductors. <i>Physica Status Solidi (B): Basic Research</i> , 1992, 173, 69-76.	1.5	18
135	Measuring voltage transients with an ultrafast scanning tunneling microscope. <i>Applied Physics Letters</i> , 1997, 70, 2625-2627.	3.3	18
136	Femtosecond differential transmission measurements on low temperature GaAs metal-semiconductor-metal structures. <i>Applied Physics Letters</i> , 1997, 70, 72-74.	3.3	18
137	Exciton-exciton collisions and conversion of interwell excitons in GaAs/AlGaAs superlattices. <i>JETP Letters</i> , 1997, 65, 656-662.	1.4	17
138	Localized Biexcitons in Quasi-2D and Quasi-3D Systems. <i>Physica Status Solidi (B): Basic Research</i> , 1998, 206, 111-118.	1.5	17
139	Binding of biexcitons in GaAs/Al <sub>x</sub> Ga <sub>1-x</sub> As superlattices. <i>Physical Review B</i> , 1997, 55, 5284-5289.	3.2	16
140	Room-Temperature Near-Field Reflection Spectroscopy of Single Quantum Wells. <i>Physica Status Solidi A</i> , 1997, 164, 541-546.	1.7	16
141	Sub-wavelength imaging by depolarization in a reflection near-field optical microscope using an uncoated fiber probe. <i>Optics Communications</i> , 1998, 146, 277-284.	2.1	16
142	Transient measurements with an ultrafast scanning tunneling microscope on semiconductor surfaces. <i>Applied Physics Letters</i> , 1998, 72, 1644-1646.	3.3	16
143	Transient phase-space filling by resonantly excited exciton interactions in CuCl. <i>Physical Review Letters</i> , 1987, 58, 1363-1366.	7.8	15
144	Influence of random potential fluctuations on the interwell radiative recombination in biased double quantum well. <i>Europhysics Letters</i> , 1998, 41, 535-540.	2.0	15

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145	Exciton dynamics in GaAs/Al <sub>x</sub> Ga <sub>1-x</sub> As quantum wells. <i>Physical Review B</i> , 1999, 59, 10255-10260.	3.2	15
146	Spin Relaxation without Coherence Loss: Fine-Structure Splitting of Localized Excitons. <i>Physica Status Solidi (B): Basic Research</i> , 2000, 221, 349-353.	1.5	15
147	Second-harmonic imaging of semiconductor quantum dots. <i>Applied Physics Letters</i> , 2000, 77, 806-808.	3.3	15
148	Excitonic optical nonlinearities and transport in the layered compound semiconductor GaSe. <i>Physical Review B</i> , 1995, 51, 16651-16659.	3.2	14
149	Influence of the interface corrugation on the subband dispersions and the optical properties of (113)-oriented GaAs/AlAs superlattices. <i>Physical Review B</i> , 1996, 54, 10784-10799.	3.2	14
150	Optimizing the fabrication of aluminum-coated fiber probes and their application to optical near-field lithography. <i>Ultramicroscopy</i> , 1998, 71, 65-71.	1.9	14
151	Biexcitons in semiconductor microcavities. <i>Semiconductor Science and Technology</i> , 2003, 18, S351-S360.	2.0	14
152	Propagation of long-range surface plasmon polaritons in photonic crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2005, 22, 2027.	2.1	14
153	Drift of Electron-Hole Drops in Exciton Density Gradients. <i>Physica Status Solidi (B): Basic Research</i> , 1974, 65, 531-536.	1.5	13
154	Stimulated two-photon emission from excitonic molecules in ZnO. <i>Solid State Communications</i> , 1978, 27, 1347-1350.	1.9	13
155	Spectral signatures of excitonic four-wave mixing signals in GaAs multiple quantum wells. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1996, 13, 981.	2.1	13
156	Spatio-temporal imaging of voltage pulses with an ultrafast scanning tunneling microscope. <i>Applied Physics Letters</i> , 1997, 70, 2762-2764.	3.3	13
157	Femtosecond tunneling response of surface plasmon polaritons. <i>Applied Physics Letters</i> , 1998, 72, 3074-3076.	3.3	13
158	Dynamics of unidirectional phonon-assisted transport of photoexcited carriers in step-graded In <sub>x</sub> (Al <sub>0.17</sub> Ga <sub>0.83</sub> ) <sub>1-x</sub> As/Al <sub>0.17</sub> Ga <sub>0.83</sub> As multiple quantum wells. <i>Physical Review B</i> , 2003, 67, .	3.2	13
159	Dynamic Dipole-Dipole Interactions Between Excitons in Quantum Dots of Different Sizes. <i>IEEE Nanotechnology Magazine</i> , 2004, 3, 318-327.	2.0	13
160	Nonlinear quantum beat spectroscopy of bound biexcitons in II-VI semiconductors. <i>Journal of Crystal Growth</i> , 1994, 138, 800-804.	1.5	12
161	Interwell excitons in GaAs multiple quantum wells and superlattices. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1995, 17, 1359-1366.	0.4	12
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