

Jrn M Hvam

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

258
papers

7,753
citations

50
h-index

75
g-index

265
ext. papers

8,697
ext. citations

2.9
avg, IF

5.48
L-index

#	Paper	IF	Citations
258	Build up of off-diagonal long-range order in microcavity exciton-polaritons across the parametric threshold. <i>Optics Express</i> , 2013 , 21, 10792-800	3.3	7
257	Polarized emission in polariton condensates: Switching in a one-dimensional natural trap versus inversion in two dimensions. <i>Physical Review B</i> , 2013 , 88,	3.3	5
256	. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2012 , 18, 996-1005	3.8	28
255	Self-phase modulation of a single-cycle terahertz pulse by nonlinear free-carrier response in a semiconductor. <i>Physical Review B</i> , 2012 , 85,	3.3	58
254	Coherence properties of exciton polariton OPO condensates in one and two dimensions. <i>New Journal of Physics</i> , 2012 , 14, 075018	2.9	17
253	Spontaneous emission from large quantum dots in nanostructures: Exciton-photon interaction beyond the dipole approximation. <i>Physical Review B</i> , 2012 , 86,	3.3	37
252	Polarization insensitive wavelength conversion in a dispersion-engineered silicon waveguide. <i>Optics Express</i> , 2012 , 20, 16374	3.3	21
251	. <i>Journal of Lightwave Technology</i> , 2011 , 29, 426-431	4	51
250	Silicon-on-insulator polarization splitting and rotating device for polarization diversity circuits. <i>Optics Express</i> , 2011 , 19, 12646-51	3.3	120
249	Ultra-high-speed wavelength conversion in a silicon photonic chip. <i>Optics Express</i> , 2011 , 19, 19886-94	3.3	54
248	One-to-six WDM multicasting of DPSK signals based on dual-pump four-wave mixing in a silicon waveguide. <i>Optics Express</i> , 2011 , 19, 24448-53	3.3	34
247	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, B825-35	3.3	28
246	Efficient and compact TE-TM polarization converter built on silicon-on-insulator platform with a simple fabrication process. <i>Optics Letters</i> , 2011 , 36, 1059-61	3	75
245	Quantum-dot excitons in nanostructured environments. <i>Physica Status Solidi (B): Basic Research</i> , 2011 , 248, 375-383	1.3	1
244	On the interpretation of wave function overlaps in quantum dots. <i>Physica Status Solidi (B): Basic Research</i> , 2011 , 248, 855-858	1.3	4
243	15-THz Tunable Wavelength Conversion of Picosecond Pulses in a Silicon Waveguide. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 1409-1411	2.2	14
242	High-efficiency, large-bandwidth silicon-on-insulator grating coupler based on a fully-etched photonic crystal structure. <i>Applied Physics Letters</i> , 2010 , 96, 051126	3.4	72

241	Lambda shifted photonic crystal cavity laser. <i>Applied Physics Letters</i> , 2010 , 97, 191109	3.4	3
240	Thermoplastic microcantilevers fabricated by nanoimprint lithography. <i>Journal of Micromechanics and Microengineering</i> , 2010 , 20, 015009	2	12
239	Large quantum dots with small oscillator strength. <i>Physical Review B</i> , 2010 , 82,	3.3	22
238	Optimization of VCSELs for Self-Mixing Sensing. <i>IEEE Photonics Technology Letters</i> , 2010 , 22, 667-669	2.2	5
237	Tunable Microwave Phase Shifter Based on Silicon-on-Insulator Microring Resonator. <i>IEEE Photonics Technology Letters</i> , 2010 , 22, 869-871	2.2	46
236	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	2.2	35
235	Widely tunable microwave phase shifter based on silicon-on-insulator dual-microring resonator. <i>Optics Express</i> , 2010 , 18, 6172-82	3.3	55
234	Measuring the dynamics of second-order photon correlation functions inside a pulse with picosecond time resolution. <i>Optics Express</i> , 2010 , 18, 20229-41	3.3	33
233	Probing long-lived dark excitons in self-assembled quantum dots. <i>Physical Review B</i> , 2010 , 81,	3.3	58
232	Toward superlensing with metal/dielectric composites and multilayers. <i>Applied Physics B: Lasers and Optics</i> , 2010 , 100, 93-100	1.9	27
231	Ultra-low-loss inverted taper coupler for silicon-on-insulator ridge waveguide. <i>Optics Communications</i> , 2010 , 283, 3678-3682	2	164
230	Design of one-dimensional optical pulse-shaping filters by time-domain topology optimization. <i>Applied Physics Letters</i> , 2009 , 95, 261101	3.4	18
229	Frequency dependence of the radiative decay rate of excitons in self-assembled quantum dots: Experiment and theory. <i>Physical Review B</i> , 2009 , 80,	3.3	50
228	Self-mixing interferometry in vertical-cavity surface-emitting lasers for nanomechanical cantilever sensing. <i>Applied Physics Letters</i> , 2009 , 94, 091103	3.4	18
227	Higher-order photon bunching in a semiconductor microcavity. <i>Science</i> , 2009 , 325, 297-300	3.3	91
226	Size dependence of the wavefunction of self-assembled InAs quantum dots from time-resolved optical measurements. <i>Physical Review B</i> , 2008 , 77,	3.3	98
225	Long luminescence lifetime in self-assembled InGaAs/GaAs quantum dots at room temperature. <i>Applied Physics Letters</i> , 2008 , 93, 183116	3.4	4
224	Short exciton radiative lifetime in submonolayer InGaAs/GaAs quantum dots. <i>Applied Physics Letters</i> , 2008 , 92, 063103	3.4	7

223	Low-noise monolithic mode-locked semiconductor lasers through low-dimensional structures 2008 ,		3
222	Long All-Active Monolithic Mode-Locked Lasers With Surface-Etched Bragg Gratings. <i>IEEE Photonics Technology Letters</i> , 2007 , 19, 1723-1725	2.2	6
221	Ultrafast dynamics of quantum-dot semiconductor optical amplifiers. <i>Journal of Materials Science: Materials in Electronics</i> , 2007 , 18, 51-55	2.1	3
220	Influence of in situ annealing on carrier dynamics in InGaAs/GaAs quantum dots. <i>Nanotechnology</i> , 2007 , 18, 325401	3.4	4
219	Coherent spin dynamics of an interwell excitonic gas in GaAs/AlGaAs coupled quantum wells. <i>Physical Review B</i> , 2006 , 73,	3.3	7
218	Phonon-induced polariton superlattices. <i>Physical Review Letters</i> , 2006 , 97, 045501	7.4	62
217	Carrier dynamics in submonolayer InGaAs/GaAs quantum dots. <i>Applied Physics Letters</i> , 2006 , 89, 013113	3.4	15
216	Dynamic Spatiotemporal Speed Control of Ultrashort Pulses in Quantum-Dot SOAs. <i>IEEE Journal of Quantum Electronics</i> , 2006 , 42, 1047-1054	2	16
215	Micromanipulation of organic nanofibers for blue light emitting microstructures. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006 , 203, 1459-1463	1.6	6
214	Ultrafast gain dynamics in quantum-dot amplifiers: theoretical analysis and experimental investigations. <i>IEEE Journal of Quantum Electronics</i> , 2005 , 41, 1115-1123	2	55
213	Stokes and anti-Stokes photoluminescence towards five different Inx(Al0.17Ga0.83)1-xAs/Al0.17Ga0.83As quantum wells. <i>Journal of Applied Physics</i> , 2005 , 98, 083527	2.5	6
212	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	1.7	12
211	Controllable delay of ultrashort pulses in a quantum dot optical amplifier. <i>Optics Express</i> , 2005 , 13, 8032-8037	3.3	40
210	Wide-band residual phase-noise measurements on 40-GHz monolithic mode-locked lasers. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 2388-2390	2.2	2
209	Collective behavior of a spin-aligned gas of interwell excitons in double quantum wells. <i>JETP Letters</i> , 2005 , 81, 108-111	1.2	2
208	Design and evaluation of mode-locked semiconductor lasers for low noise and high stability (Invited Paper) 2005 , 5825, 37		2
207	Submonolayer InGaAs/GaAs quantum-dot lasers with high modal gain and zero-linewidth enhancement factor. <i>Applied Physics Letters</i> , 2004 , 85, 3259-3261	3.4	45
206	Wave-function reconstruction in a graded semiconductor superlattice. <i>Applied Physics A: Materials Science and Processing</i> , 2004 , 78, 441-445	2.6	2

205	Dynamic dipole-dipole interactions between excitons in quantum dots of different sizes. <i>IEEE Nanotechnology Magazine</i> , 2004 , 3, 318-327	2.6	9
204	Low-jitter and high-power 40-GHz all-active mode-locked lasers. <i>IEEE Photonics Technology Letters</i> , 2004 , 16, 975-977	2.2	48
203	Gain dynamics and saturation in semiconductor quantum dot amplifiers. <i>New Journal of Physics</i> , 2004 , 6, 178-178	2.9	31
202	High-performance 10 GHz all-active monolithic modelocked semiconductor lasers. <i>Electronics Letters</i> , 2004 , 40, 735	1.1	21
201	Biexcitons in semiconductor microcavities. <i>Semiconductor Science and Technology</i> , 2003 , 18, S351-S360	1.8	10
200	Effect of annealing on the structure and optical properties of InGaAs/GaAs quantum dots. <i>Journal of Crystal Growth</i> , 2003 , 251, 177-180	1.6	3
199	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	3	17
198	InGaAs/GaAs quantum-dot-quantum-well heterostructure formed by submonolayer deposition. <i>Nanotechnology</i> , 2003 , 14, 1259-1261	3.4	22
197	Dynamics of unidirectional phonon-assisted transport of photoexcited carriers in step-graded In _x (Al _{0.17} Ga _{0.83}) _{1-x} As/Al _{0.17} Ga _{0.83} As multiple quantum wells. <i>Physical Review B</i> , 2003 , 67,	3.3	11
196	Structure and optical anisotropy of vertically correlated submonolayer InAs/GaAs quantum dots. <i>Applied Physics Letters</i> , 2003 , 82, 3859-3861	3.4	52
195	Biexciton Binding Energy in ZnSe Quantum Wells and Quantum Wires. <i>Physica Status Solidi (B): Basic Research</i> , 2002 , 231, 11-18	1.3	8
194	Biexcitonic Bound and Continuum States of Homogeneously and Inhomogeneously Broadened Exciton Resonances. <i>Physica Status Solidi A</i> , 2002 , 190, 167-174		10
193	Directional Scattering Dynamics of Microcavity Polaritons. <i>Physica Status Solidi A</i> , 2002 , 190, 327-332		2
192	Coherent Dynamics of Biexcitons in a Semiconductor Microcavity. <i>Physica Status Solidi A</i> , 2002 , 190, 383-387		2
191	Long coherence times in self-assembled semiconductor quantum dots. <i>Superlattices and Microstructures</i> , 2002 , 31, 97-105	2.8	8
190	Directional phonon-assisted cascading of photoexcited carriers in stepped In _x (Al _{0.17} Ga _{0.83}) _{1-x} As/Al _{0.17} Ga _{0.83} As multiple quantum wells. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002 , 13, 182-185	3	4
189	Collective state of interwell excitons in GaAs/AlGaAs double quantum wells under pulse resonance excitation. <i>JETP Letters</i> , 2002 , 75, 200-204	1.2	20
188	Phase diagram of the Bose condensation of interwell excitons in GaAs/AlGaAs double quantum wells. <i>JETP Letters</i> , 2002 , 76, 450-455	1.2	28

187	Dephasing in Self-organized InAlGaAs Quantum Dots. <i>Physica Scripta</i> , 2002 , T101, 143	2.6	2
186	Heterodyne technique for measuring the amplitude and phase transfer functions of an optical modulator. <i>IEEE Photonics Technology Letters</i> , 2002 , 14, 621-623	2.2	21
185	Elastic scattering dynamics of cavity polaritons: evidence for time-energy uncertainty and polariton localization. <i>Physical Review Letters</i> , 2002 , 88, 047401	7.4	56
184	Second-harmonic scanning optical microscopy of semiconductor quantum dots. <i>Optics Communications</i> , 2001 , 189, 305-311	2	9
183	Localized excitons in quantum wells show spin relaxation without coherence loss. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2001 , 10, 40-44	3	11
182	Spectral Hole-Burning and Carrier-Heating Dynamics in Quantum-Dot Amplifiers: Comparison with Bulk Amplifiers. <i>Physica Status Solidi (B): Basic Research</i> , 2001 , 224, 419-423	1.3	20
181	Excited State Dynamics in In _{0.5} Al _{0.04} Ga _{0.46} As/Al _{0.08} Ga _{0.92} As Self-Assembled Quantum Dots. <i>Physica Status Solidi (B): Basic Research</i> , 2001 , 224, 447-451	1.3	
180	Enhanced confinement energy in strained asymmetric T-shaped quantum wires. <i>Journal of Crystal Growth</i> , 2001 , 227-228, 966-969	1.6	4
179	Persistent photoeffects in p-i-n GaAs/AlGaAs heterostructures with double quantum wells. <i>Semiconductors</i> , 2001 , 35, 99-105	0.7	
178	Ultrashort pulse-propagation effects in a semiconductor optical amplifier: microscopic theory and experiment. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2001 , 7, 694-702	3.8	6
177	Stimulated secondary emission from semiconductor microcavities. <i>Physical Review Letters</i> , 2001 , 86, 5791-4	7.4	42
176	Long lived coherence in self-assembled quantum dots. <i>Physical Review Letters</i> , 2001 , 87, 227401	7.4	192
175	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	1.7	36
174	Structural and electrooptical characteristics of quantum dots emitting at 1.3 μm on gallium arsenide. <i>IEEE Journal of Quantum Electronics</i> , 2001 , 37, 1050-1058	2	25
173	Waveguiding in surface plasmon polariton band gap structures. <i>Physical Review Letters</i> , 2001 , 86, 3008-11.4	1.4	389
172	Coherent versus incoherent dynamics in InAs quantum-dot active wave guides. <i>Journal of Applied Physics</i> , 2001 , 89, 6542-6544	2.5	3
171	Seeding of Polariton Stimulation in a Homogeneously Broadened Microcavity. <i>Physica Status Solidi (B): Basic Research</i> , 2000 , 221, 115-120	1.3	8
170	Temperature Dependence of the Polariton Linewidth in a GaAs Quantum Well Microcavity. <i>Physica Status Solidi (B): Basic Research</i> , 2000 , 221, 143-146	1.3	1

169	Spin Relaxation without Coherence Loss: Fine-Structure Splitting of Localized Excitons. <i>Physica Status Solidi (B): Basic Research</i> , 2000 , 221, 349-353	1.3	13
168	Linewidth Statistics of Single InGaAs Quantum Dot Photoluminescence Lines. <i>Physica Status Solidi (B): Basic Research</i> , 2000 , 221, 49-53	1.3	19
167	Measuring Excitonic Coherence in Nanostructures: Time-Resolved Speckle Analysis versus Four-Wave Mixing. <i>Physica Status Solidi A</i> , 2000 , 178, 13-20		6
166	Room-Temperature Dephasing in InAs Quantum Dots. <i>Physica Status Solidi A</i> , 2000 , 178, 337-340		1
165	Dephasing and interaction of excitons in CdSe/ZnSe islands. <i>Journal of Crystal Growth</i> , 2000 , 214-215, 747-751	1.6	7
164	Long-time luminescence kinetics of localized excitons and conduction band edge smearing in ZnSe(1 β)Te solid solutions. <i>JETP Letters</i> , 2000 , 72, 320-323	1.2	5
163	Interwell excitons in GaAs/AlGaAs double quantum wells and their collective properties. <i>Journal of Experimental and Theoretical Physics</i> , 2000 , 90, 1093-1104	1	45
162	Collective behavior of interwell excitons in GaAs/AlGaAs double quantum wells. <i>JETP Letters</i> , 2000 , 71, 117-122	1.2	18
161	InAlGaAs/AlGaAs quantum wells: line widths, transition energies and segregation. <i>Microelectronic Engineering</i> , 2000 , 51-52, 257-264	2.5	2
160	Magnetophonon resonance in photoluminescence excitation spectra of magnetoexcitons in GaAs/Al _{0.3} Ga _{0.7} As superlattice. <i>Physical Review B</i> , 2000 , 62, 2743-2750	3.3	4
159	Exciton localization and interface roughness in growth-interrupted GaAs/AlAs quantum wells. <i>Physical Review B</i> , 2000 , 61, 10322-10329	3.3	72
158	Biexcitons or bipolaritons in a semiconductor microcavity. <i>Physical Review B</i> , 2000 , 62, R7763-R7766	3.3	22
157	Phase diagram of a two-dimensional liquid in GaAs/Al _x Ga _{1-x} As biased double quantum wells. <i>Physical Review B</i> , 2000 , 61, 8420-8424	3.3	29
156	Quantum kinetic exciton-phonon interaction in CdSe. <i>Physical Review B</i> , 2000 , 61, 1935-1940	3.3	41
155	Instantaneous Rayleigh scattering from excitons localized in monolayer islands. <i>Physical Review B</i> , 2000 , 61, R10555-R10558	3.3	5
154	Ultrannarrow polaritons in a semiconductor microcavity. <i>Applied Physics Letters</i> , 2000 , 76, 3262-3264	3.4	28
153	Resonant Rayleigh scattering of exciton-polaritons in multiple quantum wells. <i>Physical Review Letters</i> , 2000 , 85, 650-3	7.4	36
152	Second-harmonic imaging of semiconductor quantum dots. <i>Applied Physics Letters</i> , 2000 , 77, 806-808	3.4	12

151	Direct evidence of reduced dynamic scattering in the lower polariton of a semiconductor microcavity. <i>Physical Review B</i> , 2000 , 61, R13377-R13380	3.3	24
150	Dephasing in the quasi-two-dimensional exciton-biexciton system. <i>Physical Review B</i> , 2000 , 61, 1692-1695	3.3	61
149	Separation of coherent and incoherent nonlinearities in a heterodyne pump-probe experiment. <i>Optics Express</i> , 2000 , 7, 107-12	3.3	20
148	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	3.8	139
147	Ultrafast gain dynamics in InAs-InGaAs quantum-dot amplifiers. <i>IEEE Photonics Technology Letters</i> , 2000 , 12, 594-596	2.2	131
146	Time-resolved optical characterization of InAs/InGaAs quantum dots emitting at 1.3 μm . <i>Applied Physics Letters</i> , 2000 , 76, 3430-3432	3.4	74
145	Measurement of pulse amplitude and phase distortion in a semiconductor optical amplifier: from pulse compression to breakup. <i>IEEE Photonics Technology Letters</i> , 2000 , 12, 1674-1676	2.2	25
144	Time-resolved four-wave mixing in InAs/InGaAs quantum-dot amplifiers under electrical injection. <i>Applied Physics Letters</i> , 2000 , 76, 1380-1382	3.4	38
143	Transient four-wave mixing in T-shaped GaAs quantum wires. <i>Physical Review B</i> , 1999 , 60, 16667-16674	3.3	22
142	Well-width dependence of exciton-phonon scattering in $\text{In}_x\text{Ga}_{1-x}\text{As}/\text{GaAs}$ single quantum wells. <i>Physical Review B</i> , 1999 , 59, 2215-2222	3.3	61
141	Mixed biexcitons in single quantum wells. <i>Physical Review B</i> , 1999 , 59, 4584-4587	3.3	40
140	Binding energy and dephasing of biexcitons in $\text{In}_{0.18}\text{Ga}_{0.82}\text{As}/\text{GaAs}$ single quantum wells. <i>Physical Review B</i> , 1999 , 60, 4505-4508	3.3	30
139	Interaction-induced effects in the nonlinear coherent response of quantum-well excitons. <i>Physical Review B</i> , 1999 , 60, 4454-4457	3.3	37
138	Localization-enhanced biexciton binding in semiconductors. <i>Physical Review B</i> , 1999 , 59, 15405-15408	3.3	44
137	Exciton dynamics in $\text{GaAs}/\text{Al}_x\text{Ga}_{1-x}\text{As}$ quantum wells. <i>Physical Review B</i> , 1999 , 59, 10255-10260	3.3	13
136	Excitons, biexcitons, and phonons in ultrathin CdSe/ZnSe quantum structures. <i>Physical Review B</i> , 1999 , 60, 8773-8782	3.3	106
135	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	7.4	101
134	Exciton dephasing and biexciton binding in CdSe/ZnSe islands. <i>Physical Review B</i> , 1999 , 60, 10640-10643	3.3	19

133	Measurement and calculation of the critical pulsewidth for gain saturation in semiconductor optical amplifiers. <i>Optics Communications</i> , 1999 , 164, 51-55	2	35
132	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	56
131	Image Formation in Second-Harmonic Near-Field Microscopy. <i>Physica Status Solidi A</i> , 1999 , 175, 331-336		5
130	Optical anisotropy in vertically coupled quantum dots. <i>Physical Review B</i> , 1999 , 60, 16680-16685	3.3	71
129	Luminescence spectra and kinetics of disordered solid solutions. <i>Physical Review B</i> , 1999 , 59, 12947-12972	3.3	52
128	Dephasing in InAs/GaAs quantum dots. <i>Physical Review B</i> , 1999 , 60, 7784-7787	3.3	103
127	Optical properties of InAlGaAs quantum wells: Influence of segregation and band bowing. <i>Journal of Applied Physics</i> , 1999 , 86, 2584-2589	2.5	35
126	Charged excitonic complexes in GaAs/Al _{0.35} Ga _{0.65} As p-i-n double quantum wells. <i>Physical Review B</i> , 1999 , 60, 8897-8901	3.3	21
125	Polarization-resolved imaging with a reflection near-field optical microscope. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1999 , 16, 2649	1.8	4
124	Thermalization of free excitons in ZnSe quantum wells. <i>Journal of Crystal Growth</i> , 1998 , 184-185, 795-800	0.6	16
123	Transient measurements with an ultrafast scanning tunneling microscope. <i>Applied Physics A: Materials Science and Processing</i> , 1998 , 66, S23-S26	2.6	5
122	Direct and spatially indirect excitons in GaAs/AlGaAs superlattices in strong magnetic fields. <i>Physics of the Solid State</i> , 1998 , 40, 767-769	0.8	2
121	Effect of the coherence of free electron-hole pairs on excitonic absorption in GaAs/AlGaAs superlattices. <i>JETP Letters</i> , 1998 , 67, 67-72	1.2	
120	Interwell radiative recombination in the presence of random potential fluctuations in GaAs/AlGaAs biased double quantum wells. <i>JETP Letters</i> , 1998 , 67, 613-620	1.2	9
119	Localized Biexcitons in Quasi-2D and Quasi-3D Systems. <i>Physica Status Solidi (B): Basic Research</i> , 1998 , 206, 111-118	1.3	17
118	3D versus 1D Quantum Confinement in Coherently Strained CdS/ZnS Quantum Structures. <i>Physica Status Solidi (B): Basic Research</i> , 1998 , 206, 501-506	1.3	5
117	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	14
116	Enhancement of exchange interaction in ultrathin CdS/ZnS quantum structures. <i>Solid State Communications</i> , 1998 , 106, 653-657	1.6	16

115	Interaction-induced dephasing of excitons in wide ZnSe/ZnMgSe single quantum wells. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 1998 , 2, 82-86	3	3
114	Optimizing the fabrication of aluminum-coated fiber probes and their application to optical near-field lithography. <i>Ultramicroscopy</i> , 1998 , 71, 65-71	3.1	14
113	Dispersion of the second-order nonlinear susceptibility in ZnTe, ZnSe, and ZnS. <i>Physical Review B</i> , 1998 , 58, 10494-10501	3.3	87
112	Direct observation of free-exciton thermalization in quantum-well structures. <i>Physical Review B</i> , 1998 , 57, 1390-1393	3.3	89
111	Direct characterization of ultraviolet-light-induced refractive index structures by scanning near-field optical microscopy. <i>IEEE Photonics Technology Letters</i> , 1998 , 10, 848-850	2.2	5
110	Influence of random potential fluctuations on the interwell radiative recombination in biased double quantum well. <i>Europhysics Letters</i> , 1998 , 41, 535-540	1.6	15
109	Exciton dephasing in ZnSe quantum wires. <i>Physical Review B</i> , 1998 , 57, 1797-1800	3.3	22
108	Femtosecond tunneling response of surface plasmon polaritons. <i>Applied Physics Letters</i> , 1998 , 72, 3074-3076	3.7	9
107	Transient measurements with an ultrafast scanning tunneling microscope on semiconductor surfaces. <i>Applied Physics Letters</i> , 1998 , 72, 1644-1646	3.4	12
106	Interaction and dephasing of center-of-mass quantized excitons in wide ZnSe/Zn _{0.94} Mg _{0.06} Se quantum wells. <i>Physical Review B</i> , 1998 , 57, 1791-1796	3.3	34
105	Second-harmonic imaging of ferroelectric domain walls. <i>Applied Physics Letters</i> , 1998 , 73, 1814-1816	3.4	66
104	Binding-energy distribution and dephasing of localized biexcitons. <i>Physical Review B</i> , 1997 , 55, R7383-R7386	3.9	65
103	Spatio-temporal imaging of voltage pulses with an ultrafast scanning tunneling microscope. <i>Applied Physics Letters</i> , 1997 , 70, 2762-2764	3.4	10
102	Binding of biexcitons in GaAs/Al _x Ga _{1-x} As superlattices. <i>Physical Review B</i> , 1997 , 55, 5284-5289	3.3	13
101	Measuring voltage transients with an ultrafast scanning tunneling microscope. <i>Applied Physics Letters</i> , 1997 , 70, 2625-2627	3.4	14
100	Coherent dynamics of interwell excitons in GaAs/Al _x Ga _{1-x} As superlattices. <i>Physical Review B</i> , 1997 , 55, 7743-7748	3.3	3
99	Coherent optical nonlinearities and phase relaxation of quasi-three-dimensional and quasi-two-dimensional excitons in Zn _{Sx} Se _{1-x} /ZnSe structures. <i>Physical Review B</i> , 1997 , 56, 12581-12588	3.3	25
98	Continuum contribution to excitonic four-wave mixing due to interaction-induced nonlinearities: A numerical study. <i>Physical Review B</i> , 1997 , 55, 2456-2465	3.3	35

97	Femtosecond differential transmission measurements on low temperature GaAs metal-semiconductor-metal structures. <i>Applied Physics Letters</i> , 1997 , 70, 72-74	3.4	12
96	Electron microscopic and optical investigations of the indium distribution in GaAs capped InxGa1-xAs islands. <i>Applied Physics Letters</i> , 1997 , 71, 377-379	3.4	37
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71	Asymmetric GaAs/AlGaAs T wires with large confinement energies. <i>Applied Physics Letters</i> , 1996 , 69, 3248-3250	3.4	27
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