

Jrn M Hvam

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3558507/jorn-m-hvam-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Waveguiding in surface plasmon polariton band gap structures. <i>Physical Review Letters</i> , 2001 , 86, 3008-11	7.4	389
257	Sub-picosecond time-resolved Raman spectroscopy of LO phonons in GaAs. <i>Physical Review Letters</i> , 1985 , 54, 2151-2154	7.4	356
256	Long lived coherence in self-assembled quantum dots. <i>Physical Review Letters</i> , 2001 , 87, 227401	7.4	192
255	Ultra-low-loss inverted taper coupler for silicon-on-insulator ridge waveguide. <i>Optics Communications</i> , 2010 , 283, 3678-3682	2	164
254	Binding of quasi-two-dimensional biexcitons. <i>Physical Review Letters</i> , 1996 , 76, 672-675	7.4	163
253	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
252	Ultrafast gain dynamics in InAs-InGaAs quantum-dot amplifiers. <i>IEEE Photonics Technology Letters</i> , 2000 , 12, 594-596	2.2	131
251	Dispersive Transport and Recombination Lifetime in Phosphorus-Doped Hydrogenated Amorphous Silicon. <i>Physical Review Letters</i> , 1981 , 46, 371-374	7.4	131
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	Coherent generation and interference of excitons and biexcitons in GaAs/Al _x Ga _{1-x} As quantum wells. <i>Physical Review B</i> , 1993 , 47, 2413-2416	3.3	120
248	Excitons, biexcitons, and phonons in ultrathin CdSe/ZnSe quantum structures. <i>Physical Review B</i> , 1999 , 60, 8773-8782	3.3	106
247	Dephasing in InAs/GaAs quantum dots. <i>Physical Review B</i> , 1999 , 60, 7784-7787	3.3	103
246	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
245	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
244	Higher-order photon bunching in a semiconductor microcavity. <i>Science</i> , 2009 , 325, 297-300	33.3	91
243	Direct observation of free-exciton thermalization in quantum-well structures. <i>Physical Review B</i> , 1998 , 57, 1390-1393	3.3	89
242	Dispersion of the second-order nonlinear susceptibility in ZnTe, ZnSe, and ZnS. <i>Physical Review B</i> , 1998 , 58, 10494-10501	3.3	87

241	Exciton-exciton interaction and laser emission in high-purity ZnO. <i>Solid State Communications</i> , 1973 , 12, 95-97	1.6	82
240	Binding energy of two-dimensional biexcitons. <i>Physical Review B</i> , 1996 , 53, 15909-15913	3.3	80
239	Nature of nonlinear four-wave-mixing beats in semiconductors. <i>Physical Review B</i> , 1993 , 48, 5720-5723	3.3	77
238	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
237	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
236	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
235	Exciton localization and interface roughness in growth-interrupted GaAs/AlAs quantum wells. <i>Physical Review B</i> , 2000 , 61, 10322-10329	3.3	72
234	Optical anisotropy in vertically coupled quantum dots. <i>Physical Review B</i> , 1999 , 60, 16680-16685	3.3	71
233	Optical nonlinearities and phase coherence in CdSe studied by transient four-wave mixing. <i>IEEE Journal of Quantum Electronics</i> , 1989 , 25, 904-912	2	70
232	Temperature-Induced Wavelength Shift of Electron-Beam-Pumped Lasers from CdSe, CdS, and ZnO. <i>Physical Review B</i> , 1971 , 4, 4459-4464	3.3	69
231	Exciton Interaction in Photoluminescence from ZnO. <i>Physica Status Solidi (B): Basic Research</i> , 1974 , 63, 511-517	1.3	68
230	Second-harmonic imaging of ferroelectric domain walls. <i>Applied Physics Letters</i> , 1998 , 73, 1814-1816	3.4	66
229	Ultrafast local field dynamics in photoconductive THz antennas. <i>Applied Physics Letters</i> , 1993 , 62, 1265-1267	3.4	66
228	Binding-energy distribution and dephasing of localized biexcitons. <i>Physical Review B</i> , 1997 , 55, R7383-R7386	3.3	65
227	The Biexciton Levels and Nonlinear Optical Transitions in ZnO. <i>Physica Status Solidi (B): Basic Research</i> , 1983 , 118, 179-189	1.3	63
226	Phonon-induced polariton superlattices. <i>Physical Review Letters</i> , 2006 , 97, 045501	7.4	62
225	Dephasing in the quasi-two-dimensional exciton-biexciton system. <i>Physical Review B</i> , 2000 , 61, 1692-1695	3.3	61
224	Well-width dependence of exciton-phonon scattering in In _x Ga _{1-x} As/GaAs single quantum wells. <i>Physical Review B</i> , 1999 , 59, 2215-2222	3.3	61

223	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
222	Probing long-lived dark excitons in self-assembled quantum dots. <i>Physical Review B</i> , 2010 , 81,	3.3	58
221	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
220	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
219	Widely tunable microwave phase shifter based on silicon-on-insulator dual-microring resonator. <i>Optics Express</i> , 2010 , 18, 6172-82	3.3	55
218	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
217	Ultra-high-speed wavelength conversion in a silicon photonic chip. <i>Optics Express</i> , 2011 , 19, 19886-94	3.3	54
216	Spectrally resolved four-wave mixing in semiconductors: Influence of inhomogeneous broadening. <i>Physical Review B</i> , 1994 , 50, 15047-15055	3.3	53
215	Optical gain and induced absorption from excitonic molecules in ZnO. <i>Solid State Communications</i> , 1978 , 26, 987-990	1.6	53
214	Structure and optical anisotropy of vertically correlated submonolayer InAs/GaAs quantum dots. <i>Applied Physics Letters</i> , 2003 , 82, 3859-3861	3.4	52
213	Luminescence spectra and kinetics of disordered solid solutions. <i>Physical Review B</i> , 1999 , 59, 12947-12972	3.3	52
212	. <i>Journal of Lightwave Technology</i> , 2011 , 29, 426-431	4	51
211	Optical dephasing in semiconductor mixed crystals. <i>Physical Review B</i> , 1992 , 46, 4564-4581	3.3	51
210	Direct recording of optical-gain spectra from ZnO. <i>Journal of Applied Physics</i> , 1978 , 49, 3124-3126	2.5	51
209	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
208	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
207	Exciton scattering in quantum wells at low temperatures. <i>Physical Review B</i> , 1993 , 47, 6827-6830	3.3	48
206	Tunable Microwave Phase Shifter Based on Silicon-on-Insulator Microring Resonator. <i>IEEE Photonics Technology Letters</i> , 2010 , 22, 869-871	2.2	46

205	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
204	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
203	Localization-enhanced biexciton binding in semiconductors. <i>Physical Review B</i> , 1999 , 59, 15405-15408	3-3	44
202	Dynamics of Excitons in CdS, CdSe, and CdS _{1-x} Se _x . <i>Physica Status Solidi (B): Basic Research</i> , 1992 , 172, 479-519	1-3	44
201	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	42
200	Stimulated secondary emission from semiconductor microcavities. <i>Physical Review Letters</i> , 2001 , 86, 5791-4	7-4	42
199	Quantum kinetic exciton-LO-phonon interaction in CdSe. <i>Physical Review B</i> , 2000 , 61, 1935-1940	3-3	41
198	Controllable delay of ultrashort pulses in a quantum dot optical amplifier. <i>Optics Express</i> , 2005 , 13, 8032-37	3-3	40
197	Mixed biexcitons in single quantum wells. <i>Physical Review B</i> , 1999 , 59, 4584-4587	3-3	40
196	Nonlinear quantum beats of propagating polaritons. <i>Physical Review Letters</i> , 1993 , 70, 327-330	7-4	39
195	Coherent and Incoherent Exciton Dynamics in Al _{1-x} Ga _x As/GaAs Multiple Quantum Wells. <i>Physica Status Solidi (B): Basic Research</i> , 1992 , 173, 53-68	1-3	39
194	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
193	Optimization of the confinement energy of quantum-wire states in T-shaped GaAs/Al _x Ga _{1-x} As structures. <i>Physical Review B</i> , 1996 , 54, 14595-14603	3-3	38
192	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
191	Electron microscopic and optical investigations of the indium distribution in GaAs capped In _x Ga _{1-x} As islands. <i>Applied Physics Letters</i> , 1997 , 71, 377-379	3-4	37
190	Interaction-induced effects in the nonlinear coherent response of quantum-well excitons. <i>Physical Review B</i> , 1999 , 60, 4454-4457	3-3	37
189	Time-resolved nonlinear luminescence spectroscopy by picosecond excitation correlation. <i>Applied Physics Letters</i> , 1983 , 43, 460-462	3-4	37
188	Resonant Rayleigh scattering of exciton-polaritons in multiple quantum wells. <i>Physical Review Letters</i> , 2000 , 85, 650-3	7-4	36

187	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
186	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
185	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
184	Measurement and calculation of the critical pulsewidth for gain saturation in semiconductor optical amplifiers. <i>Optics Communications</i> , 1999 , 164, 51-55	2	35
183	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
182	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
181	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
180	Localization and wave-vector conservation for optical phonons in Al _x Ga _{1-x} As and thin layers of GaAs. <i>Physical Review B</i> , 1988 , 38, 5776-5779	3.3	34
179	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
178	NONLINEAR QUANTUM BEAT SPECTROSCOPY IN SEMICONDUCTORS. <i>International Journal of Modern Physics B</i> , 1994 , 08, 73-120	1.1	32
177	Gain dynamics and saturation in semiconductor quantum dot amplifiers. <i>New Journal of Physics</i> , 2004 , 6, 178-178	2.9	31
176	Binding energy and dephasing of biexcitons in In _{0.18} Ga _{0.82} As/GaAs single quantum wells. <i>Physical Review B</i> , 1999 , 60, 4505-4508	3.3	30
175	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
174	Exciton diffusion in CdSe. <i>Physical Review B</i> , 1993 , 47, 3582-3587	3.3	29
173	. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2012 , 18, 996-1005	3.8	28
172	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
171	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
170	Ultranarrow polaritons in a semiconductor microcavity. <i>Applied Physics Letters</i> , 2000 , 76, 3262-3264	3.4	28

169	Interwell excitons in GaAs superlattices. <i>Physical Review B</i> , 1996 , 54, 10316-10319	3.3	28
168	Dispersive transport and trap saturation in doped hydrogenated amorphous silicon. <i>Solid State Communications</i> , 1984 , 50, 845-848	1.6	28
167	Toward superlensing with metal-dielectric composites and multilayers. <i>Applied Physics B: Lasers and Optics</i> , 2010 , 100, 93-100	1.9	27
166	Asymmetric GaAs/AlGaAs T wires with large confinement energies. <i>Applied Physics Letters</i> , 1996 , 69, 3248-3250	3.4	27
165	Continuum contribution to excitonic four-wave mixing due to interaction-induced nonlinearities. <i>Physical Review B</i> , 1996 , 54, R14250-R14253	3.3	27
164	Coherent optical nonlinearities and phase relaxation of quasi-three-dimensional and quasi-two-dimensional excitons in ZnSxSe1-x/ZnSe structures. <i>Physical Review B</i> , 1997 , 56, 12581-12588	3.3	25
163	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
162	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
161	New emission line in highly excited GaN. <i>Journal of Luminescence</i> , 1976 , 12-13, 611-615	3.8	25
160	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
159	Excitonic Molecule Transitions in ZnO. <i>Physica Status Solidi (B): Basic Research</i> , 1979 , 93, 581-590	1.3	23
158	Large quantum dots with small oscillator strength. <i>Physical Review B</i> , 2010 , 82,	3.3	22
157	InGaAs/GaAs quantum-dot-quantum-well heterostructure formed by submonolayer deposition. <i>Nanotechnology</i> , 2003 , 14, 1259-1261	3.4	22
156	Biexcitons or bipolaritons in a semiconductor microcavity. <i>Physical Review B</i> , 2000 , 62, R7763-R7766	3.3	22
155	Exciton dephasing in ZnSe quantum wires. <i>Physical Review B</i> , 1998 , 57, 1797-1800	3.3	22
154	Transient four-wave mixing in T-shaped GaAs quantum wires. <i>Physical Review B</i> , 1999 , 60, 16667-16674	3.3	22
153	Dephasing of localized excitons in CdS1-xSex mixed crystals. <i>Physical Review B</i> , 1991 , 44, 3413-3416	3.3	22
152	Optical Nonlinearity and Phase Coherence in CdSe and CdSexS1-x. <i>Physica Status Solidi (B): Basic Research</i> , 1988 , 150, 387-391	1.3	22

151	Polarization insensitive wavelength conversion in a dispersion-engineered silicon waveguide. <i>Optics Express</i> , 2012 , 20, 16374	3.3	21
150	High-performance 10 GHz all-active monolithic modelocked semiconductor lasers. <i>Electronics Letters</i> , 2004 , 40, 735	1.1	21
149	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
148	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
147	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
146	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
145	Separation of coherent and incoherent nonlinearities in a heterodyne pump-probe experiment. <i>Optics Express</i> , 2000 , 7, 107-12	3.3	20
144	Spontaneous photon echo from bound excitons in CdSe. <i>Physical Review B</i> , 1991 , 44, 3999-4001	3.3	20
143	Optical Nonlinearity and Phase Coherence of Exciton-Biexciton Transition in CdSe. <i>Europhysics Letters</i> , 1987 , 4, 839-843	1.6	20
142	Linewidth Statistics of Single InGaAs Quantum Dot Photoluminescence Lines. <i>Physica Status Solidi (B): Basic Research</i> , 2000 , 221, 49-53	1.3	19
141	Exciton dephasing and biexciton binding in CdSe/ZnSe islands. <i>Physical Review B</i> , 1999 , 60, 10640-10643	3.3	19
140	Design of one-dimensional optical pulse-shaping filters by time-domain topology optimization. <i>Applied Physics Letters</i> , 2009 , 95, 261101	3.4	18
139	Self-mixing interferometry in vertical-cavity surface-emitting lasers for nanomechanical cantilever sensing. <i>Applied Physics Letters</i> , 2009 , 94, 091103	3.4	18
138	Collective behavior of interwell excitons in GaAs/AlGaAs double quantum wells. <i>JETP Letters</i> , 2000 , 71, 117-122	1.2	18
137	(110) oriented GaAs/Al _{0.3} Ga _{0.7} As quantum wells for optimized T-shaped quantum wires. <i>Applied Physics Letters</i> , 1996 , 69, 800-802	3.4	18
136	Exciton diffusion and motion of electron-hole drops in Ge. <i>Physical Review B</i> , 1975 , 11, 5053-5058	3.3	18
135	Coherence properties of exciton polariton OPO condensates in one and two dimensions. <i>New Journal of Physics</i> , 2012 , 14, 075018	2.9	17
134	Localized Biexcitons in Quasi-2D and Quasi-3D Systems. <i>Physica Status Solidi (B): Basic Research</i> , 1998 , 206, 111-118	1.3	17

133	Homogeneous linewidth of self-assembled III \bar{V} quantum dots observed in single-dot photoluminescence. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003 , 17, 1-6	3	17
132	Fiber coupled ultrafast scanning tunneling microscope. <i>Journal of Applied Physics</i> , 1997 , 81, 2929-2934	2.5	16
131	Thermalization of free excitons in ZnSe quantum wells. <i>Journal of Crystal Growth</i> , 1998 , 184-185, 795-800	0.6	16
130	Enhancement of exchange interaction in ultrathin CdS/ZnS quantum structures. <i>Solid State Communications</i> , 1998 , 106, 653-657	1.6	16
129	Dynamic Spatiotemporal Speed Control of Ultrashort Pulses in Quantum-Dot SOAs. <i>IEEE Journal of Quantum Electronics</i> , 2006 , 42, 1047-1054	2	16
128	Measurements of exciton diffusion by degenerate four-wave mixing in CdS $_{1-x}$ Se $_x$. <i>Physical Review B</i> , 1992 , 46, 7528-7532	3.3	16
127	Induced absorption and gain from high density excitons in CdS. <i>Solid State Communications</i> , 1978 , 26, 373-376	1.6	16
126	Carrier dynamics in submonolayer InGaAs $_x$ GaAs quantum dots. <i>Applied Physics Letters</i> , 2006 , 89, 013113	3.4	15
125	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
124	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
123	Measuring voltage transients with an ultrafast scanning tunneling microscope. <i>Applied Physics Letters</i> , 1997 , 70, 2625-2627	3.4	14
122	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
121	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
120	Coherent and Incoherent Exciton Dynamics in II \bar{VI} Semiconductors. <i>Physica Status Solidi (B): Basic Research</i> , 1992 , 173, 69-76	1.3	14
119	Transient phase-space filling by resonantly excited exciton interactions in CuCl. <i>Physical Review Letters</i> , 1987 , 58, 1363-1366	7.4	14
118	Binding of biexcitons in GaAs/Al $_x$ Ga $_{1-x}$ As superlattices. <i>Physical Review B</i> , 1997 , 55, 5284-5289	3.3	13
117	Exciton-exciton collisions and conversion of interwell excitons in GaAs/AlGaAs superlattices. <i>JETP Letters</i> , 1997 , 65, 656-662	1.2	13
116	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

115	Exciton dynamics in GaAs/Al _x Ga _{1-x} As quantum wells. <i>Physical Review B</i> , 1999 , 59, 10255-10260	3.3	13
114	Excitonic optical nonlinearities and transport in the layered compound semiconductor GaSe. <i>Physical Review B</i> , 1995 , 51, 16651-16659	3.3	13
113	Stimulated two-photon emission from excitonic molecules in ZnO. <i>Solid State Communications</i> , 1978 , 27, 1347-1350	1.6	13
112	Drift of Electron-Hole Drops in Exciton Density Gradients. <i>Physica Status Solidi (B): Basic Research</i> , 1974 , 65, 531-536	1.3	13
111	Thermoplastic microcantilevers fabricated by nanoimprint lithography. <i>Journal of Micromechanics and Microengineering</i> , 2010 , 20, 015009	2	12
110	Femtosecond differential transmission measurements on low temperature GaAs metal-semiconductor-metal structures. <i>Applied Physics Letters</i> , 1997 , 70, 72-74	3.4	12
109	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
108	Second-harmonic imaging of semiconductor quantum dots. <i>Applied Physics Letters</i> , 2000 , 77, 806-808	3.4	12
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	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		12
105	Room-Temperature Near-Field Reflection Spectroscopy of Single Quantum Wells. <i>Physica Status Solidi A</i> , 1997 , 164, 541-546		11
104	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
103	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
102	Nanoroughness localization of excitons in GaAs multiple quantum wells studied by transient four-wave mixing. <i>Physical Review B</i> , 1995 , 51, 7977-7980	3.3	11
101	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	3.3	11
100	Spatio-temporal imaging of voltage pulses with an ultrafast scanning tunneling microscope. <i>Applied Physics Letters</i> , 1997 , 70, 2762-2764	3.4	10
99	Biexcitons in semiconductor microcavities. <i>Semiconductor Science and Technology</i> , 2003 , 18, S351-S360	1.8	10
98	Biexcitonic Bound and Continuum States of Homogeneously and Inhomogeneously Broadened Exciton Resonances. <i>Physica Status Solidi A</i> , 2002 , 190, 167-174		10

97	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	1.7	10
96	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
95	Dynamic dipole-dipole interactions between excitons in quantum dots of different sizes. <i>IEEE Nanotechnology Magazine</i> , 2004 , 3, 318-327	2.6	9
94	Second-harmonic scanning optical microscopy of semiconductor quantum dots. <i>Optics Communications</i> , 2001 , 189, 305-311	2	9
93	Femtosecond tunneling response of surface plasmon polaritons. <i>Applied Physics Letters</i> , 1998 , 72, 3074-3076	3.7	9
92	Terahertz pulses from semiconductor-air interfaces. <i>Applied Physics Letters</i> , 1992 , 61, 1372-1374	3.4	9
91	Size distribution of electron-hole drops in Ge. <i>Solid State Communications</i> , 1974 , 15, 929-932	1.6	9
90	Nonlinear Response of Localized Excitons: Effects of the Excitation-Induced Dephasing. <i>Physica Status Solidi A</i> , 1997 , 164, 61-65		8
89	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
88	Long coherence times in self-assembled semiconductor quantum dots. <i>Superlattices and Microstructures</i> , 2002 , 31, 97-105	2.8	8
87	Seeding of Polariton Stimulation in a Homogeneously Broadened Microcavity. <i>Physica Status Solidi (B): Basic Research</i> , 2000 , 221, 115-120	1.3	8
86	Nonlinear quantum beat spectroscopy of bound biexcitons in II-VI semiconductors. <i>Journal of Crystal Growth</i> , 1994 , 138, 800-804	1.6	8
85	Ultrafast nonlinear optics in GaAs/AlGaAs quantum wells. <i>Physica Scripta</i> , 1994 , T54, 181-186	2.6	8
84	Nonlinear Quantum Beats of Excitons in CdSe. <i>Physica Status Solidi (B): Basic Research</i> , 1992 , 173, 91-98	1.3	8
83	Spontaneous and stimulated emission from CdSe at high excitation levels. <i>Journal of Physics and Chemistry of Solids</i> , 1971 , 32, 2193-2199	3.9	8
82	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
81	Short exciton radiative lifetime in submonolayer InGaAs/GaAs quantum dots. <i>Applied Physics Letters</i> , 2008 , 92, 063103	3.4	7
80	Coherent spin dynamics of an interwell excitonic gas in GaAs/AlGaAs coupled quantum wells. <i>Physical Review B</i> , 2006 , 73,	3.3	7

79	Dephasing and interaction of excitons in CdSe/ZnSe islands. <i>Journal of Crystal Growth</i> , 2000 , 214-215, 747-751	1.6	7
78	Picosecond transient gratings in CdS _{1-x} Se _x mixed crystals. <i>Journal of Crystal Growth</i> , 1990 , 101, 678-682	1.6	7
77	Highly confined T-shaped quantum wires. <i>Superlattices and Microstructures</i> , 1997 , 22, 217-220	2.8	6
76	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
75	Stokes and anti-Stokes photoluminescence towards five different In _x (Al _{0.17} Ga _{0.83}) _{1-x} As/Al _{0.17} Ga _{0.83} As quantum wells. <i>Journal of Applied Physics</i> , 2005 , 98, 083527	2.5	6
74	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
73	Properties of InGaAs quantum dot saturable absorbers in monolithic mode-locked lasers		6
72	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
71	Measuring Excitonic Coherence in Nanostructures: Time-Resolved Speckle Analysis versus Four-Wave Mixing. <i>Physica Status Solidi A</i> , 2000 , 178, 13-20		6
70	Luminescence dynamics in type-II GaAs/AlAs superlattices near the type-I to type-II crossover. <i>Physical Review B</i> , 1996 , 54, 14589-14594	3.3	6
69	Picosecond spectroscopy of exciton-biexciton transitions in CdSe. <i>Journal of Crystal Growth</i> , 1992 , 117, 763-767	1.6	6
68	Exciton dynamics in CdSe. <i>Journal of Luminescence</i> , 1992 , 53, 317-320	3.8	6
67	Transverse and longitudinal relaxations of excitons and biexcitons in CdSe. <i>Journal of Luminescence</i> , 1987 , 38, 76-78	3.8	6
66	Optical Gain and Induced Absorption in High-Density Exciton System in CuCl. <i>Physica Status Solidi (B): Basic Research</i> , 1980 , 101, 363-372	1.3	6
65	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
64	Optimization of VCSELs for Self-Mixing Sensing. <i>IEEE Photonics Technology Letters</i> , 2010 , 22, 667-669	2.2	5
63	Direct and spatially indirect excitons in GaAs/AlGaAs superlattices in strong magnetic fields. <i>Journal of Experimental and Theoretical Physics</i> , 1997 , 85, 601-608	1	5
62	Transient measurements with an ultrafast scanning tunneling microscope. <i>Applied Physics A: Materials Science and Processing</i> , 1998 , 66, S23-S26	2.6	5

61	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
60	Long-time luminescence kinetics of localized excitons and conduction band edge smearing in ZnSe(1 $\bar{1}$)Te solid solutions. <i>JETP Letters</i> , 2000 , 72, 320-323	1.2	5
59	Instantaneous Rayleigh scattering from excitons localized in monolayer islands. <i>Physical Review B</i> , 2000 , 61, R10555-R10558	3.3	5
58	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
57	Image Formation in Second-Harmonic Near-Field Microscopy. <i>Physica Status Solidi A</i> , 1999 , 175, 331-336		5
56	MBE growth and characterization of high purity GaAs/AlGaAs on the (110) surface of GaAs. <i>Microelectronics Journal</i> , 1995 , 26, 767-773	1.8	5
55	Dephasing and energy relaxation of localized excitons in CdS $\bar{1}$ Se \bar{x} mixed crystals. <i>Journal of Crystal Growth</i> , 1992 , 117, 778-782	1.6	5
54	Studies of high-speed optical switching in CdSe. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1990 , 7, 1225	1.7	5
53	Stimulated emission and optical gain in dense exciton systems in CdS. <i>Journal of Luminescence</i> , 1979 , 18-19, 312-316	3.8	5
52	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
51	Dynamics of excitonic states in GaAs/AlGaAs quantum wells. <i>JETP Letters</i> , 1997 , 66, 144-150	1.2	4
50	Thermalization of Hot Free Excitons in ZnSe-Based Quantum Wells. <i>Physica Status Solidi (B): Basic Research</i> , 1997 , 204, 195-197	1.3	4
49	Long luminescence lifetime in self-assembled InGaAs/GaAs quantum dots at room temperature. <i>Applied Physics Letters</i> , 2008 , 93, 183116	3.4	4
48	Influence of in situ annealing on carrier dynamics in InGaAs/GaAs quantum dots. <i>Nanotechnology</i> , 2007 , 18, 325401	3.4	4
47	Directional phonon-assisted cascading of photoexcited carriers in stepped In \bar{x} (Al $\bar{0.17}$ Ga $\bar{0.83}$) $\bar{1}$ As/Al $\bar{0.17}$ Ga $\bar{0.83}$ As multiple quantum wells. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002 , 13, 182-185	3	4
46	Enhanced confinement energy in strained asymmetric T-shaped quantum wires. <i>Journal of Crystal Growth</i> , 2001 , 227-228, 966-969	1.6	4
45	Magnetophonon resonance in photoluminescence excitation spectra of magnetoexcitons in GaAs/Al $\bar{0.3}$ Ga $\bar{0.7}$ As superlattice. <i>Physical Review B</i> , 2000 , 62, 2743-2750	3.3	4
44	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

43	Many-body effects in type-II quantum-well and quantum-well-wire superlattices. <i>Superlattices and Microstructures</i> , 1994 , 15, 47	2.8	4
42	Lambda shifted photonic crystal cavity laser. <i>Applied Physics Letters</i> , 2010 , 97, 191109	3.4	3
41	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
40	High-resolution spectroscopy of matrix-isolated fullerene molecules. <i>Journal of Luminescence</i> , 1997 , 72-74, 457-458	3.8	3
39	FIR Induced Intrinsic Exciton Transitions in GaAs/AlGaAs Superlattices. <i>Physica Status Solidi A</i> , 1997 , 164, 557-560		3
38	Interwell excitons in GaAs superlattices. <i>Superlattices and Microstructures</i> , 1997 , 21, 587-590	2.8	3
37	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
36	Low-noise monolithic mode-locked semiconductor lasers through low-dimensional structures 2008 ,		3
35	Ultrafast dynamics of quantum-dot semiconductor optical amplifiers. <i>Journal of Materials Science: Materials in Electronics</i> , 2007 , 18, 51-55	2.1	3
34	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
33	Coherent versus incoherent dynamics in InAs quantum-dot active wave guides. <i>Journal of Applied Physics</i> , 2001 , 89, 6542-6544	2.5	3
32	Picosecond coherent light scattering in the exciton-biexciton resonance of CdSe. <i>Journal of Luminescence</i> , 1988 , 40-41, 529-530	3.8	3
31	Carrier relaxation in amorphous silicon with optical bias. <i>Journal of Non-Crystalline Solids</i> , 1985 , 77-78, 611-614	3.9	3
30	Interband coherence in semiconductors; excitons and beyond. <i>Journal of Luminescence</i> , 1997 , 72-74, 25-28	3.8	2
29	Influence of the corrugation on the optical properties of (1 1 3) oriented GaAs/AlAs superlattices. <i>Journal of Luminescence</i> , 1997 , 72-74, 353-354	3.8	2
28	Binding energy of two-dimensional biexcitons in type-II superlattices. <i>Journal of Luminescence</i> , 1997 , 72-74, 393-394	3.8	2
27	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
26	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

25	Wave-function reconstruction in a graded semiconductor superlattice. <i>Applied Physics A: Materials Science and Processing</i> , 2004 , 78, 441-445	2.6	2
24	Directional Scattering Dynamics of Microcavity Polaritons. <i>Physica Status Solidi A</i> , 2002 , 190, 327-332		2
23	Coherent Dynamics of Biexcitons in a Semiconductor Microcavity. <i>Physica Status Solidi A</i> , 2002 , 190, 383-387		2
22	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
21	Design and evaluation of mode-locked semiconductor lasers for low noise and high stability (Invited Paper) 2005 , 5825, 37		2
20	Dephasing in Self-organized InAlGaAs Quantum Dots. <i>Physica Scripta</i> , 2002 , T101, 143	2.6	2
19	InAlGaAs/AlGaAs quantum wells: line widths, transition energies and segregation. <i>Microelectronic Engineering</i> , 2000 , 51-52, 257-264	2.5	2
18	Influence of inhomogeneous broadening on spectrally resolved four-wave mixing in semiconductors. <i>Physica Status Solidi (B): Basic Research</i> , 1995 , 188, 465-472	1.3	2
17	Ultrafast exciton dynamics in semiconductors: Effects of disorder and confinement. <i>Pure and Applied Chemistry</i> , 1995 , 67, 401-408	2.1	2
16	Coherent nonlinear optical resonances in II-VI semiconductors 1990 ,		2
15	Partial saturation of the conduction band tail in doped a-Si:H. <i>Solid State Communications</i> , 1988 , 65, 415-417	4.67	2
14	RECOMBINATION OF PHOTOGENERATED CARRIERS IN DOPED HYDROGENATED AMORPHOUS SILICON. <i>Journal De Physique Colloque</i> , 1981 , 42, C4-551-C4-554		2
13	Quantum-dot excitons in nanostructured environments. <i>Physica Status Solidi (B): Basic Research</i> , 2011 , 248, 375-383	1.3	1
12	Hot excitons in ZnSe quantum wells. <i>Journal of Luminescence</i> , 1997 , 72-74, 292-293	3.8	1
11	Coherent Interaction of Three-Dimensionally Confined Electron-Hole Pairs with LO-Phonons. <i>Physica Status Solidi (B): Basic Research</i> , 1997 , 204, 42-44	1.3	1
10	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
9	Room-Temperature Dephasing in InAs Quantum Dots. <i>Physica Status Solidi A</i> , 2000 , 178, 337-340		1
8	Photon echo, dephasing and recombination of bound excitons in CdSe. <i>Journal of Crystal Growth</i> , 1992 , 117, 773-777	1.6	1

7	Optical gain and induced absorption in CuBr. <i>Journal of Luminescence</i> , 1986 , 35, 91-97	3.8	1
6	Luminescence dynamics in GaAs/AlAs superlattices near the type-I/type-II crossover. <i>Journal of Luminescence</i> , 1997 , 72-74, 350-352	3.8	
5	Interwell and Intrawell Magnetoexcitons in GaAs/AlGaAs Superlattices. <i>Physica Status Solidi A</i> , 1997 , 164, 595-599		
4	MBE growth of two-dimensional electron gases on (110) GaAs. <i>Journal of Crystal Growth</i> , 1997 , 175-176, 1097-1101	1.6	
3	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	
2	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	
1	Persistent photoeffects in p-i-n GaAs/AlGaAs heterostructures with double quantum wells. <i>Semiconductors</i> , 2001 , 35, 99-105	0.7	