

Jean-Michel Gerard

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#	Paper	IF	Citations
288	Photoluminescence of single InAs quantum dots obtained by self-organized growth on GaAs. <i>Physical Review Letters</i> , 1994 , 73, 716-719	7.4	956
287	Enhanced Spontaneous Emission by Quantum Boxes in a Monolithic Optical Microcavity. <i>Physical Review Letters</i> , 1998 , 81, 1110-1113	7.4	835
286	Exciton-photon strong-coupling regime for a single quantum dot embedded in a microcavity. <i>Physical Review Letters</i> , 2005 , 95, 067401	7.4	569
285	Single-mode solid-state single photon source based on isolated quantum dots in pillar microcavities. <i>Applied Physics Letters</i> , 2001 , 79, 2865-2867	3.4	414
284	A highly efficient single-photon source based on a quantum dot in a photonic nanowire. <i>Nature Photonics</i> , 2010 , 4, 174-177	33.9	414
283	Spin relaxation quenching in semiconductor quantum dots. <i>Physical Review Letters</i> , 2001 , 86, 1634-7	7.4	358
282	Strong-coupling regime for quantum boxes in pillar microcavities: Theory. <i>Physical Review B</i> , 1999 , 60, 13276-13279	3.3	325
281	Strong Electron-Phonon Coupling Regime in Quantum Dots: Evidence for Everlasting Resonant Polarons. <i>Physical Review Letters</i> , 1999 , 83, 4152-4155	7.4	325
280	Strong Purcell effect for InAs quantum boxes in three-dimensional solid-state microcavities. <i>Journal of Lightwave Technology</i> , 1999 , 17, 2089-2095	4	305
279	A highly efficient single-photon source based on a quantum dot in a photonic nanowire. <i>Nature Photonics</i> , 2010 ,	33.9	286
278	Quantum Cascade of Photons in Semiconductor Quantum Dots. <i>Physical Review Letters</i> , 2001 , 87,	7.4	256
277	Quantum boxes as active probes for photonic microstructures: The pillar microcavity case. <i>Applied Physics Letters</i> , 1996 , 69, 449-451	3.4	225
276	Optically driven spin memory in n-doped InAs-GaAs quantum dots. <i>Physical Review Letters</i> , 2002 , 89, 207401	7.4	210
275	High-Q wet-etched GaAs microdisks containing InAs quantum boxes. <i>Applied Physics Letters</i> , 1999 , 75, 1908-1910	3.4	204
274	Strain-mediated coupling in a quantum dot-mechanical oscillator hybrid system. <i>Nature Nanotechnology</i> , 2014 , 9, 106-10	28.7	181
273	Solid-state single photon sources: the nanowire antenna. <i>Optics Express</i> , 2009 , 17, 2095-110	3.3	171
272	Unconventional motional narrowing in the optical spectrum of a semiconductor quantum dot. <i>Nature Physics</i> , 2006 , 2, 759-764	16.2	171

271	Inhibition, enhancement, and control of spontaneous emission in photonic nanowires. <i>Physical Review Letters</i> , 2011 , 106, 103601	7.4	158
270	Giant optical nonlinearity induced by a single two-level system interacting with a cavity in the Purcell regime. <i>Physical Review A</i> , 2007 , 75,	2.6	145
269	InAs quantum boxes: Highly efficient radiative traps for light emitting devices on Si. <i>Applied Physics Letters</i> , 1996 , 68, 3123-3125	3.4	136
268	Intraband absorption in n-doped InAs/GaAs quantum dots. <i>Applied Physics Letters</i> , 1997 , 71, 2785-2787	3.4	135
267	Third-harmonic generation in InAs/GaAs self-assembled quantum dots. <i>Physical Review B</i> , 1999 , 59, 9830-9833	3.9	131
266	Acoustic phonon sidebands in the emission line of single InAs/GaAs quantum dots. <i>Physical Review B</i> , 2003 , 68,	3.3	113
265	Electrically driven high-Q quantum dot-micropillar cavities. <i>Applied Physics Letters</i> , 2008 , 92, 091107	3.4	111
264	Optical investigation of the self-organized growth of InAs/GaAs quantum boxes. <i>Journal of Crystal Growth</i> , 1995 , 150, 351-356	1.6	111
263	Long polaron lifetime in InAs/GaAs self-assembled quantum dots. <i>Physical Review Letters</i> , 2002 , 88, 177402	4.2	110
262	Monolayer-scale optical investigation of segregation effects in semiconductor heterostructures. <i>Physical Review B</i> , 1992 , 45, 6313-6316	3.3	100
261	Dielectric GaAs antenna ensuring an efficient broadband coupling between an InAs quantum dot and a Gaussian optical beam. <i>Physical Review Letters</i> , 2013 , 110, 177402	7.4	99
260	Strongly coupling a cavity to inhomogeneous ensembles of emitters: Potential for long-lived solid-state quantum memories. <i>Physical Review A</i> , 2011 , 84,	2.6	99
259	Imaging the wave-function amplitudes in cleaved semiconductor quantum boxes. <i>Physical Review Letters</i> , 2000 , 85, 1068-71	7.4	97
258	Controlling the dynamics of a coupled atom-cavity system by pure dephasing. <i>Physical Review B</i> , 2010 , 81,	3.3	96
257	Near-surface GaAs/Ga _{0.7} Al _{0.3} As quantum wells: Interaction with the surface states. <i>Physical Review B</i> , 1990 , 41, 12945-12948	3.3	92
256	Photoluminescence up-conversion in single self-assembled InAs/GaAs quantum dots. <i>Physical Review Letters</i> , 2001 , 87, 207401	7.4	91
255	Pure emitter dephasing: A resource for advanced solid-state single-photon sources. <i>Physical Review A</i> , 2009 , 79,	2.6	90
254	Infrared spectroscopy of intraband transitions in self-organized InAs/GaAs quantum dots. <i>Journal of Applied Physics</i> , 1997 , 82, 3396-3401	2.5	90

253	Scanning tunneling microscopy and scanning tunneling spectroscopy of self-assembled InAs quantum dots. <i>Applied Physics Letters</i> , 1998 , 73, 96-98	3-4	87
252	In situ probing at the growth temperature of the surface composition of (InGa)As and (InAl)As. <i>Applied Physics Letters</i> , 1992 , 61, 2096-2098	3-4	84
251	Surface segregation in III-V alloys. <i>Journal of Crystal Growth</i> , 1991 , 111, 141-150	1.6	83
250	In-plane polarized intraband absorption in InAs/GaAs self-assembled quantum dots. <i>Physical Review B</i> , 1998 , 58, 10562-10567	3-3	80
249	Far-infrared magnetospectroscopy of polaron states in self-assembled InAs/GaAs quantum dots. <i>Physical Review B</i> , 2002 , 65,	3-3	78
248	Experimental probing of quantum-well eigenstates. <i>Physical Review Letters</i> , 1989 , 62, 2172-2175	7-4	75
247	Solid-State Cavity-Quantum Electrodynamics with Self-Assembled Quantum Dots. <i>Topics in Applied Physics</i> , 2003 , 269-314	0-5	74
246	Optical study of GaAs/AlAs pillar microcavities with elliptical cross section. <i>Applied Physics Letters</i> , 1998 , 72, 1421-1423	3-4	74
245	Interferometric correlation spectroscopy in single quantum dots. <i>Applied Physics Letters</i> , 2002 , 81, 2737-2739	3-3	73
244	Line narrowing in single semiconductor quantum dots: Toward the control of environment effects. <i>Physical Review B</i> , 2002 , 66,	3-3	73
243	High quality ultrathin InAs/GaAs quantum wells grown by standard and low-temperature modulated-fluxes molecular beam epitaxy. <i>Applied Physics Letters</i> , 1988 , 53, 568-570	3-4	73
242	Solid-state single photon sources: light collection strategies. <i>European Physical Journal D</i> , 2002 , 18, 197-210	2-10	71
241	Midinfrared absorption and photocurrent spectroscopy of InAs/GaAs self-assembled quantum dots. <i>Applied Physics Letters</i> , 2001 , 78, 2327-2329	3-4	68
240	Infrared second-order optical susceptibility in InAs/GaAs self-assembled quantum dots. <i>Physical Review B</i> , 2000 , 61, 5562-5570	3-3	68
239	InAs quantum dots: artificial atoms for solid-state cavity-quantum electrodynamics. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2001 , 9, 131-139	3	67
238	Controlling the emission profile of a nanowire with a conical taper. <i>Optics Letters</i> , 2008 , 33, 1693-5	3	64
237	Vertically aligned graphene nanosheets on silicon using an ionic liquid electrolyte: towards high performance on-chip micro-supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 19254-19262	13	63
236	Temperature dependence of the zero-phonon linewidth in quantum dots: An effect of the fluctuating environment. <i>Physical Review B</i> , 2007 , 75,	3-3	63

235	Phonon sidebands in exciton and biexciton emission from single GaAs quantum dots. <i>Physical Review B</i> , 2004 , 69,	3.3	61
234	Probing exciton localization in nonpolar GaN/AlN quantum dots by single-dot optical spectroscopy. <i>Physical Review B</i> , 2007 , 75,	3.3	56
233	Dynamical equilibrium between excitons and free carriers in quantum wells. <i>Solid State Communications</i> , 1995 , 95, 287-293	1.6	55
232	Cavity-funneled generation of indistinguishable single photons from strongly dissipative quantum emitters. <i>Physical Review Letters</i> , 2015 , 114, 193601	7.4	53
231	Analysis of the Filling Pattern Dependence of the Photonic Bandgap for Two-dimensional Systems. <i>Journal of Modern Optics</i> , 1994 , 41, 295-310	1.1	53
230	Simulation of waveguiding and emitting properties of semiconductor nanowires with hexagonal or circular sections. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009 , 26, 2396	1.7	51
229	Influence of AlN overgrowth on structural properties of GaN quantum wells and quantum dots grown by plasma-assisted molecular beam epitaxy. <i>Journal of Applied Physics</i> , 2004 , 96, 1104-1110	2.5	51
228	Second-harmonic generation resonant with s-p transition in InAs/GaAs self-assembled quantum dots. <i>Physical Review B</i> , 2001 , 63,	3.3	51
227	Optical losses in plasma-etched AlGaAs microresonators using reflection spectroscopy. <i>Applied Physics Letters</i> , 1999 , 74, 911-913	3.4	51
226	Single photon emission from individual GaAs quantum dots. <i>Applied Physics Letters</i> , 2003 , 82, 2206-2208	3.4	50
225	Polarization of the interband optical dipole in InAs/GaAs self-organized quantum dots. <i>Physical Review B</i> , 2001 , 63,	3.3	49
224	Temperature dependence of intersublevel absorption in InAs/GaAs self-assembled quantum dots. <i>Applied Physics Letters</i> , 2002 , 80, 4620-4622	3.4	48
223	Electromagnetic study of the quality factor of pillar microcavities in the small diameter limit. <i>Applied Physics Letters</i> , 2004 , 84, 4726-4728	3.4	44
222	Saturation of intraband absorption and electron relaxation time in n-doped InAs/GaAs self-assembled quantum dots. <i>Applied Physics Letters</i> , 1998 , 73, 3818-3821	3.4	43
221	Optical properties of some III/V strained-layer superlattices. <i>Superlattices and Microstructures</i> , 1989 , 5, 51-58	2.8	42
220	Spontaneous emission spectrum of a two-level atom in a very-high-Q cavity. <i>Physical Review A</i> , 2008 , 77,	2.6	41
219	Evidence for low density of nonradiative defects in ZnO nanowires grown by metal organic vapor-phase epitaxy. <i>Applied Physics Letters</i> , 2007 , 91, 143120	3.4	41
218	Time-resolved probing of the Purcell effect for InAs quantum boxes in GaAs microdisks. <i>Applied Physics Letters</i> , 2001 , 78, 2828-2830	3.4	41

217	Structural and optical properties of high quality InAs/GaAs short-period superlattices grown by migration-enhanced epitaxy. <i>Applied Physics Letters</i> , 1989 , 54, 30-32	3-4	41
216	Designs for high-efficiency electrically pumped photonic nanowire single-photon sources. <i>Optics Express</i> , 2010 , 18, 21204-18	3-3	40
215	Dynamical ultrafast all-optical switching of planar GaAs/AlAs photonic microcavities. <i>Applied Physics Letters</i> , 2007 , 91, 111103	3-4	40
214	Fast exciton spin relaxation in single quantum dots. <i>Physical Review B</i> , 2005 , 71,	3-3	39
213	Correlated photon emission from a single InAs quantum dot. <i>Applied Physics Letters</i> , 2004 , 85, 6251-6253	3-4	38
212	Quantum box size effect on vertical self-alignment studied using cross-sectional scanning tunneling microscopy. <i>Applied Physics Letters</i> , 1999 , 74, 2608-2610	3-4	38
211	Strong-coupling regime in pillar semiconductor microcavities. <i>Superlattices and Microstructures</i> , 1997 , 22, 371-374	2-8	37
210	Study of isolated cubic GaN quantum dots by low-temperature cathodoluminescence. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2005 , 26, 203-206	3	37
209	Efficient acoustic phonon broadening in single self-assembled InAs/GaAs quantum dots. <i>Physical Review B</i> , 2001 , 65,	3-3	37
208	Continuous-wave versus time-resolved measurements of Purcell factors for quantum dots in semiconductor microcavities. <i>Physical Review B</i> , 2009 , 80,	3-3	36
207	Ultimate fast optical switching of a planar microcavity in the telecom wavelength range. <i>Applied Physics Letters</i> , 2011 , 98, 161114	3-4	36
206	A fiber-coupled quantum-dot on a photonic tip. <i>Applied Physics Letters</i> , 2016 , 108, 011112	3-4	36
205	Room temperature, continuous wave lasing in microcylinder and microring quantum dot laser diodes. <i>Applied Physics Letters</i> , 2012 , 100, 031111	3-4	35
204	Linearly polarized, single-mode spontaneous emission in a photonic nanowire. <i>Physical Review Letters</i> , 2012 , 108, 077405	7-4	35
203	Efficient photonic mirrors for semiconductor nanowires. <i>Optics Letters</i> , 2008 , 33, 2635-7	3	35
202	Photonic bandgap of two-dimensional dielectric crystals. <i>Solid-State Electronics</i> , 1994 , 37, 1341-1344	1-7	35
201	Exciton spin manipulation in InAs/GaAs quantum dots: Exchange interaction and magnetic field effects. <i>Physical Review B</i> , 2005 , 71,	3-3	34
200	Giant optical anisotropy in a single InAs quantum dot in a very dilute quantum-dot ensemble. <i>Applied Physics Letters</i> , 2005 , 86, 041904	3-4	34

199	Optical anisotropy and light extraction efficiency of MBE grown GaN nanowires epilayers. <i>Optics Express</i> , 2011 , 19, 527-39	3.3	32
198	Quantum communication with quantum dot spins. <i>Physical Review B</i> , 2007 , 75,	3.3	32
197	Whispering gallery mode lasing in high quality GaAs/AlAs pillar microcavities. <i>Applied Physics Letters</i> , 2010 , 96, 071103	3.4	31
196	Growth and characterization of AlGaInAs lattice matched to InP grown by molecular-beam epitaxy. <i>Journal of Applied Physics</i> , 1988 , 63, 400-403	2.5	31
195	Resonant driving of a single photon emitter embedded in a mechanical oscillator. <i>Nature Communications</i> , 2017 , 8, 76	17.4	30
194	Numerical and Experimental Study of the Q Factor of High- Q Micropillar Cavities. <i>IEEE Journal of Quantum Electronics</i> , 2010 , 46, 1470-1483	2	29
193	Design of broadband high-efficiency superconducting-nanowire single photon detectors. <i>Superconductor Science and Technology</i> , 2016 , 29, 065016	3.1	29
192	All-optical switching of a microcavity repeated at terahertz rates. <i>Optics Letters</i> , 2013 , 38, 374-6	3	28
191	quantum boxes obtained by self-organized growth: Intrinsic electronic properties and applications. <i>Solid-State Electronics</i> , 1996 , 40, 807-814	1.7	28
190	Purcell effect for CdSe/ZnSe quantum dots placed into hybrid micropillars. <i>Applied Physics Letters</i> , 2005 , 87, 233114	3.4	27
189	Midinfrared second-harmonic generation in p-type InAs/GaAs self-assembled quantum dots. <i>Applied Physics Letters</i> , 1999 , 75, 835-837	3.4	27
188	A single-mode solid-state source of single photons based on isolated quantum dots in a micropillar. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002 , 13, 418-422	3	26
187	Harnessing light with photonic nanowires: fundamentals and applications to quantum optics. <i>ChemPhysChem</i> , 2013 , 14, 2393-402	3.2	25
186	Highly directive and Gaussian far-field emission from giant photonic trumpets. <i>Applied Physics Letters</i> , 2015 , 107, 141106	3.4	25
185	Integrated terahertz source based on three-wave mixing of whispering-gallery modes. <i>Optics Letters</i> , 2008 , 33, 2416-8	3	25
184	Photoluminescence experiment on quantum dots embedded in a large Purcell-factor microcavity. <i>Physical Review B</i> , 2008 , 78,	3.3	24
183	High Q whispering gallery modes in GaAs/AlAs pillar microcavities. <i>Optics Express</i> , 2007 , 15, 17291-304	3.3	24
182	High resolution in situ measurement of the surface composition of $\text{In}_x\text{Ga}_{1-x}\text{As}$ and $\text{In}_x\text{Al}_{1-x}\text{As}$ at growth temperature. <i>Journal of Crystal Growth</i> , 1993 , 127, 981-985	1.6	24

181	Structural study of InAs quantum boxes grown by molecular beam epitaxy on a (001) GaAs-on-Si substrate. <i>Applied Physics Letters</i> , 1997 , 70, 2398-2400	3.4	23
180	Nano-fabrication with focused ion beams. <i>Microelectronic Engineering</i> , 2001 , 57-58, 865-875	2.5	23
179	Bimodal distribution of Indium composition in arrays of low-pressure metalorganic-vapor-phase-epitaxy grown InGaAs/GaAs quantum dots. <i>Applied Physics Letters</i> , 2001 , 79, 2157-2159	3.4	23
178	Linear and dynamical photoinduced dichroisms of InAs/GaAs self-assembled quantum dots: Population relaxation and decoherence measurements. <i>Physical Review B</i> , 2006 , 73,	3.3	22
177	Novel prospects for self-assembled InAs/GaAs quantum boxes. <i>Journal of Crystal Growth</i> , 1999 , 201-202, 1109-1116	1.6	22
176	Direct probing of type-II band configurations in semiconductor superlattices. <i>Physical Review B</i> , 1989 , 40, 6450-6453	3.3	21
175	Single artificial atoms in silicon emitting at telecom wavelengths. <i>Nature Electronics</i> , 2020 , 3, 738-743	28.4	21
174	Strong and weak coupling regime in pillar semiconductor microcavities. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 1998 , 2, 915-919	3	20
173	Electron capture time measurements in GaAs/AlGaAs quantum-well infrared photodetectors: Photoresponse saturation by a free-electron laser. <i>Journal of Applied Physics</i> , 1995 , 78, 1224-1229	2.5	20
172	Efficient tuning of the carrier capture efficiency of quantum wells by introducing a barrier asymmetry. <i>Applied Physics Letters</i> , 1993 , 63, 240-242	3.4	20
171	Optimal irreversible stimulated emission. <i>New Journal of Physics</i> , 2012 , 14, 083029	2.9	19
170	Energy transfer through laterally confined Bragg mirrors and its impact on pillar microcavities. <i>IEEE Journal of Quantum Electronics</i> , 2005 , 41, 1323-1329	2	19
169	Femtosecond-luminescence study of electron transfer in type-II GaAs/AlAs superlattices: Intervalley scattering versus state mixing. <i>Physical Review B</i> , 1994 , 49, 13560-13563	3.3	19
168	Monolayer scale study of segregation effects in InAs/GaAs heterostructures. <i>Journal of Crystal Growth</i> , 1993 , 127, 536-540	1.6	19
167	Quantum dot spontaneous emission control in a ridge waveguide. <i>Applied Physics Letters</i> , 2015 , 106, 041112	3.4	18
166	Electron and hole spin cooling efficiency in InAs quantum dots: The role of nuclear field. <i>Applied Physics Letters</i> , 2010 , 96, 172108	3.4	18
165	Far-field radiation from quantum boxes located in pillar microcavities. <i>Optics Letters</i> , 2001 , 26, 1595-7	3	18
164	Resonant excitation of intraband absorption in InAs/GaAs self-assembled quantum dots. <i>Journal of Applied Physics</i> , 1998 , 84, 4356-4362	2.5	18

163	Chapter 3 Optical Studies of Strained III-V Heterolayers. <i>Semiconductors and Semimetals</i> , 1990 , 55-118	0.6	18
162	Non-exponential spontaneous emission dynamics for emitters in a time-dependent optical cavity. <i>Optics Express</i> , 2013 , 21, 23130-44	3.3	16
161	Towards a single-mode single photon source based on single quantum dots. <i>Journal of Luminescence</i> , 2001 , 94-95, 797-803	3.8	16
160	Quantum wires in multidimensional microcavities: Effects of photon dimensionality on emission properties. <i>Physical Review B</i> , 2002 , 66,	3.3	16
159	Midinfrared unipolar photoluminescence in InAs/GaAs self-assembled quantum dots. <i>Physical Review B</i> , 1999 , 60, 15589-15592	3.3	16
158	Large and Uniform Optical Emission Shifts in Quantum Dots Strained along Their Growth Axis. <i>Nano Letters</i> , 2016 , 16, 3215-20	11.5	16
157	A broadband tapered nanocavity for efficient nonclassical light emission. <i>Optics Express</i> , 2016 , 24, 20904-20914	3.4	16
156	Unveiling the ionic exchange mechanisms in vertically-oriented graphene nanosheet supercapacitor electrodes with electrochemical quartz crystal microbalance and ac-electrogravimetry. <i>Electrochemistry Communications</i> , 2018 , 93, 5-9	5.1	16
155	Strain-Gradient Position Mapping of Semiconductor Quantum Dots. <i>Physical Review Letters</i> , 2017 , 118, 117401	7.4	15
154	Harvesting, Coupling, and Control of Single-Exciton Coherences in Photonic Waveguide Antennas. <i>Physical Review Letters</i> , 2016 , 116, 163903	7.4	15
153	Differential ultrafast all-optical switching of the resonances of a micropillar cavity. <i>Applied Physics Letters</i> , 2014 , 105, 111115	3.4	15
152	Optical characterization and selective addressing of the resonant modes of a micropillar cavity with a white light beam. <i>Physical Review B</i> , 2010 , 82,	3.3	15
151	Relation between growth procedure and confinement properties of CdSe/ZnSe quantum dots. <i>Physical Review B</i> , 2006 , 74,	3.3	15
150	Control of the two-dimensional to three-dimensional transition of self-organized CdSe/ZnSe quantum dots. <i>Nanotechnology</i> , 2005 , 16, 1116-1118	3.4	15
149	Dephasing of intersublevel polarizations in InAs/GaAs self-assembled quantum dots. <i>Physical Review B</i> , 2002 , 66,	3.3	15
148	Growth of InGaAs/GaAs quantum wells with perfectly abrupt interfaces by molecular beam epitaxy. <i>Applied Physics Letters</i> , 1993 , 62, 3452-3454	3.4	15
147	Quantum optics with quantum dots. <i>European Physical Journal D</i> , 2014 , 68, 1	1.3	14
146	Surface effects in a semiconductor photonic nanowire and spectral stability of an embedded single quantum dot. <i>Applied Physics Letters</i> , 2011 , 99, 233106	3.4	14

145	Monitoring stimulated emission at the single-photon level in one-dimensional atoms. <i>Physical Review A</i> , 2012 , 85,	2.6	14
144	Metal-organic vapor-phase epitaxy of defect-free InGaAs/GaAs quantum dots emitting around 1.3 μ m. <i>Journal of Crystal Growth</i> , 2002 , 235, 89-94	1.6	14
143	Single quantum dot spectroscopy of CdSe/ZnSe grown on vicinal GaAs substrates. <i>Applied Physics Letters</i> , 2003 , 82, 2227-2229	3.4	14
142	Optical investigation of the band structure of InAs/GaAs short-period superlattices. <i>Applied Physics Letters</i> , 1989 , 55, 559-561	3.4	14
141	Universal optimal broadband photon cloning and entanglement creation in one-dimensional atoms. <i>Physical Review A</i> , 2012 , 86,	2.6	13
140	Polarization-insensitive fiber-coupled superconducting-nanowire single photon detector using a high-index dielectric capping layer. <i>Optics Express</i> , 2018 , 26, 17697-17704	3.3	12
139	Kerr and free carrier ultrafast all-optical switching of GaAs/AlAs nanostructures near the three photon edge of GaAs. <i>Journal of Applied Physics</i> , 2008 , 104, 083105	2.5	12
138	Observation of hot luminescence and slow inter-sub-band relaxation in Si-doped GaN _{1-x} Ga _{1-x} N (x=0.11, 0.25) multi-quantum-well structures. <i>Journal of Applied Physics</i> , 2006 , 99, 093513	2.5	12
137	New method to induce 2DBD transition of strained CdSe/ZnSe layers. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2005 , 26, 119-123	3	12
136	Disorder-induced photoluminescence up-conversion in InAs/GaAs quantum-dot samples. <i>Journal of Applied Physics</i> , 2002 , 91, 5489-5491	2.5	12
135	Strong Purcell effect for InAs quantum boxes in high-Q wet-etched microdisks. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2000 , 7, 641-645	3	12
134	Growth of InGaAs/GaAs heterostructures with abrupt interfaces on the monolayer scale. <i>Journal of Crystal Growth</i> , 1995 , 150, 467-472	1.6	12
133	Design of polarization-insensitive superconducting single photon detectors with high-index dielectrics. <i>Superconductor Science and Technology</i> , 2017 , 30, 035005	3.1	11
132	Comment on "single-mode spontaneous emission from a single quantum dot in a three-dimensional microcavity". <i>Physical Review Letters</i> , 2003 , 90, 229701; author reply 229702	7.4	11
131	Quantum-mechanical versus semiclassical capture and transport properties in quantum well laser structures. <i>Optical and Quantum Electronics</i> , 1994 , 26, S679-S689	2.4	11
130	Broad Diversity of Near-Infrared Single-Photon Emitters in Silicon. <i>Physical Review Letters</i> , 2021 , 126, 083602	7.4	11
129	InAs quantum boxes in GaAs/AlAs pillar microcavities: from spectroscopic investigations to spontaneous emission control. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 1998 , 2, 804-808 ³		10
128	Efficient coupling of Er-doped silicon-rich oxide to microdisk whispering gallery modes. <i>Applied Physics Letters</i> , 2005 , 86, 111117	3.4	10

127	Optical properties of single non-polar GaN quantum dots. <i>Physica Status Solidi (B): Basic Research</i> , 2006 , 243, 1652-1656	1.3	10
126	Tensorial phase control in nonlinear meta-optics. <i>Optica</i> , 2021 , 8, 269	8.6	10
125	Competition between electronic Kerr and free-carrier effects in an ultimate-fast optically switched semiconductor microcavity. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012 , 29, 2630	1.7	9
124	How to avoid non-radiative escape of excitons from quantum dots?. <i>Physica Status Solidi (B): Basic Research</i> , 2004 , 241, 542-545	1.3	9
123	Pump-probe analysis of polaron decay in InAs/GaAs self-assembled quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2005 , 26, 59-62	3	9
122	Electron Phonon Interaction and Polaron Effects in Quantum Dots. <i>Japanese Journal of Applied Physics</i> , 2001 , 40, 1941-1946	1.4	9
121	Photonic Bourglass Design for efficient quantum light emission. <i>Optics Letters</i> , 2019 , 44, 2617	3	9
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