

Jonathan Finley

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.

248
papers

8,786
citations

51
h-index

84
g-index

282
ext. papers

9,851
ext. citations

6.1
avg, IF

5.66
L-index

#	Paper	IF	Citations
248	Tuning the Optical Properties of a MoSe Monolayer Using Nanoscale Plasmonic Antennas.. <i>Nano Letters</i> , 2022 ,	11.5	1
247	Stimulated Generation of Indistinguishable Single Photons from a Quantum Ladder System.. <i>Physical Review Letters</i> , 2022 , 128, 093603	7.4	4
246	Electronically Tunable Transparent Conductive Thin Films for Scalable Integration of 2D Materials with Passive 2DBD Interfaces (Adv. Funct. Mater. 21/2022). <i>Advanced Functional Materials</i> , 2022 , 32, 2270119	15.6	
245	Epitaxial type-I and type-II InAs-AlAsSb core-shell nanowires on silicon. <i>Applied Physics Letters</i> , 2021 , 119, 193102	3.4	0
244	Optomechanical wave mixing by a single quantum dot. <i>Optica</i> , 2021 , 8, 291	8.6	9
243	Controlling exciton many-body states by the electric-field effect in monolayer MoS ₂ . <i>Physical Review Research</i> , 2021 , 3,	3.9	4
242	Bright Electrically Controllable Quantum-Dot-Molecule Devices Fabricated by In Situ Electron-Beam Lithography. <i>Advanced Quantum Technologies</i> , 2021 , 4, 2100002	4.3	3
241	Low-threshold strain-compensated InGaAs/(In,Al)GaAs multi-quantum well nanowire lasers emitting near 1.3 μ m at room temperature. <i>Applied Physics Letters</i> , 2021 , 118, 221103	3.4	5
240	Manganese doping for enhanced magnetic brightening and circular polarization control of dark excitons in paramagnetic layered hybrid metal-halide perovskites. <i>Nature Communications</i> , 2021 , 12, 3489	17.4	10
239	Gate-Switchable Arrays of Quantum Light Emitters in Contacted Monolayer MoS van der Waals Heterodevices. <i>Nano Letters</i> , 2021 , 21, 1040-1046	11.5	15
238	High-resolution spectroscopy of a quantum dot driven bichromatically by two strong coherent fields. <i>Physical Review Research</i> , 2021 , 3,	3.9	2
237	3D Deep Learning Enables Accurate Layer Mapping of 2D Materials. <i>ACS Nano</i> , 2021 , 15, 3139-3151	16.7	7
236	Growth dynamics and compositional structure in periodic InAsSb nanowire arrays on Si (111) grown by selective area molecular beam epitaxy. <i>Nanotechnology</i> , 2021 , 32, 135604	3.4	5
235	Charged Exciton Kinetics in Monolayer MoSe near Ferroelectric Domain Walls in Periodically Poled LiNbO ₃ . <i>Nano Letters</i> , 2021 , 21, 959-966	11.5	2
234	Resonance-fluorescence spectral dynamics of an acoustically modulated quantum dot. <i>Physical Review Research</i> , 2021 , 3,	3.9	2
233	Engineering the Luminescence and Generation of Individual Defect Emitters in Atomically Thin MoS ₂ . <i>ACS Photonics</i> , 2021 , 8, 669-677	6.3	20
232	Raman spectrum of Janus transition metal dichalcogenide monolayers WSe and MoSSe. <i>Physical Review B</i> , 2021 , 103,	3.3	20

231	Discrete interactions between a few interlayer excitons trapped at a MoSe ₂ /WSe ₂ heterointerface. <i>Npj 2D Materials and Applications</i> , 2020 , 4,	8.8	24
230	Demonstration of n-type behavior in catalyst-free Si-doped GaAs nanowires grown by molecular beam epitaxy. <i>Applied Physics Letters</i> , 2020 , 116, 052101	3.4	7
229	Direct-bandgap emission from hexagonal Ge and SiGe alloys. <i>Nature</i> , 2020 , 580, 205-209	50.4	124
228	Signatures of a degenerate many-body state of interlayer excitons in a van der Waals heterostack. <i>Physical Review Research</i> , 2020 , 2,	3.9	14
227	Quantum-Confinement-Enhanced Thermoelectric Properties in Modulation-Doped GaAs-AlGaAs Core-Shell Nanowires. <i>Advanced Materials</i> , 2020 , 32, e1905458	24	10
226	Origin of Antibunching in Resonance Fluorescence. <i>Physical Review Letters</i> , 2020 , 125, 170402	7.4	2
225	Ultrathin catalyst-free InAs nanowires on silicon with distinct 1D sub-band transport properties. <i>Nanoscale</i> , 2020 , 12, 21857-21868	7.7	7
224	Crux of Using the Cascaded Emission of a Three-Level Quantum Ladder System to Generate Indistinguishable Photons. <i>Physical Review Letters</i> , 2020 , 125, 233605	7.4	15
223	Time-domain photocurrent spectroscopy based on a common-path birefringent interferometer. <i>Review of Scientific Instruments</i> , 2020 , 91, 123101	1.7	2
222	Atomistic defects as single-photon emitters in atomically thin MoS ₂ . <i>Applied Physics Letters</i> , 2020 , 117, 070501	3.4	27
221	Line-Scan Hyperspectral Imaging Microscopy with Linear Unmixing for Automated Two-Dimensional Crystals Identification. <i>ACS Photonics</i> , 2020 , 7, 1216-1225	6.3	6
220	Site-selectively generated photon emitters in monolayer MoS via local helium ion irradiation. <i>Nature Communications</i> , 2019 , 10, 2755	17.4	80
219	Optimized waveguide coupling of an integrated III-V nanowire laser on silicon. <i>Journal of Applied Physics</i> , 2019 , 125, 243102	2.5	4
218	Breakdown of Corner States and Carrier Localization by Monolayer Fluctuations in Radial Nanowire Quantum Wells. <i>Nano Letters</i> , 2019 , 19, 3336-3343	11.5	10
217	Resonance Fluorescence of GaAs Quantum Dots with Near-Unity Photon Indistinguishability. <i>Nano Letters</i> , 2019 , 19, 2404-2410	11.5	36
216	Ultracompact Photodetection in Atomically Thin MoSe ₂ . <i>ACS Photonics</i> , 2019 , 6, 1902-1909	6.3	10
215	Optical absorption of composition-tunable InGaAs nanowire arrays. <i>Nanotechnology</i> , 2019 , 30, 495703	3.4	8
214	Impact of substrate induced band tail states on the electronic and optical properties of MoS ₂ . <i>Applied Physics Letters</i> , 2019 , 115, 261603	3.4	13

213	Nanoscale mapping of carrier recombination in GaAs/AlGaAs core-multishell nanowires by cathodoluminescence imaging in a scanning transmission electron microscope. <i>Applied Physics Letters</i> , 2019 , 115, 243102	3.4	4
212	Toward Plasmonic Tunnel Gaps for Nanoscale Photoemission Currents by On-Chip Laser Ablation. <i>Nano Letters</i> , 2019 , 19, 1172-1178	11.5	23
211	Carrier concentration dependent photoluminescence properties of Si-doped InAs nanowires. <i>Applied Physics Letters</i> , 2018 , 112, 091904	3.4	10
210	Correlated Chemical and Electrically Active Dopant Analysis in Catalyst-Free Si-Doped InAs Nanowires. <i>ACS Nano</i> , 2018 , 12, 1603-1610	16.7	10
209	Pulsed Rabi oscillations in quantum two-level systems: beyond the area theorem. <i>Quantum Science and Technology</i> , 2018 , 3, 014006	5.5	17
208	Slow light enhanced gas sensing in photonic crystals. <i>Optical Materials</i> , 2018 , 76, 106-110	3.3	23
207	Carrier trapping and activation at short-period wurtzite/zinc-blende stacking sequences in polytypic InAs nanowires. <i>Physical Review B</i> , 2018 , 97,	3.3	7
206	The Dielectric Impact of Layer Distances on Exciton and Trion Binding Energies in van der Waals Heterostructures. <i>Nano Letters</i> , 2018 , 18, 2725-2732	11.5	71
205	Robust valley polarization of helium ion modified atomically thin MoS ₂ . <i>2D Materials</i> , 2018 , 5, 011007	5.9	44
204	Coupling Single Photons from Discrete Quantum Emitters in WSe ₂ to Lithographically Defined Plasmonic Slot Waveguides. <i>Nano Letters</i> , 2018 , 18, 6812-6819	11.5	31
203	Tuning Lasing Emission toward Long Wavelengths in GaAs-(In,Al)GaAs Core-Multishell Nanowires. <i>Nano Letters</i> , 2018 , 18, 6292-6300	11.5	33
202	Quantum dot single-photon sources with ultra-low multi-photon probability. <i>Npj Quantum Information</i> , 2018 , 4,	8.6	67
201	He-Ion Microscopy as a High-Resolution Probe for Complex Quantum Heterostructures in Core-Shell Nanowires. <i>Nano Letters</i> , 2018 , 18, 3911-3919	11.5	11
200	GaN Nanowire Arrays for Efficient Optical Read-Out and Optoelectronic Control of NV Centers in Diamond. <i>Nano Letters</i> , 2018 , 18, 3651-3660	11.5	8
199	Bandgap Engineering of Graphene Nanoribbons by Control over Structural Distortion. <i>Journal of the American Chemical Society</i> , 2018 , 140, 7803-7809	16.4	47
198	Enhanced optical activity of atomically thin MoSe ₂ proximal to nanoscale plasmonic slot-waveguides. <i>2D Materials</i> , 2017 , 4, 021011	5.9	11
197	Signatures of two-photon pulses from a quantum two-level system. <i>Nature Physics</i> , 2017 , 13, 649-654	16.2	34
196	Enhanced THz emission efficiency of composition-tunable InGaAs nanowire arrays. <i>Applied Physics Letters</i> , 2017 , 110, 201106	3.4	7

195	GaAs/AlGaAs core-shell nanowire lasers on silicon: invited review. <i>Semiconductor Science and Technology</i> , 2017 , 32, 053001	1.8	35
194	Electric-Field Switchable Second-Harmonic Generation in Bilayer MoS by Inversion Symmetry Breaking. <i>Nano Letters</i> , 2017 , 17, 392-398	11.5	41
193	Direct exciton emission from atomically thin transition metal dichalcogenide heterostructures near the lifetime limit. <i>Scientific Reports</i> , 2017 , 7, 12383	4.9	84
192	Nanometer-scale Resolved Cathodoluminescence Imaging: New Insights into GaAs/AlGaAs Core-shell Nanowire Lasers. <i>Microscopy and Microanalysis</i> , 2017 , 23, 1470-1471	0.5	
191	Direct Coupling of Coherent Emission from Site-Selectively Grown III-V Nanowire Lasers into Proximal Silicon Waveguides. <i>ACS Photonics</i> , 2017 , 4, 2537-2543	6.3	22
190	Quantum Transport and Sub-Band Structure of Modulation-Doped GaAs/AlAs Core-Superlattice Nanowires. <i>Nano Letters</i> , 2017 , 17, 4886-4893	11.5	16
189	A few-emitter solid-state multi-exciton laser. <i>Scientific Reports</i> , 2017 , 7, 7420	4.9	8
188	Long-term mutual phase locking of picosecond pulse pairs generated by a semiconductor nanowire laser. <i>Nature Communications</i> , 2017 , 8, 15521	17.4	10
187	Microscopic nature of crystal phase quantum dots in ultrathin GaAs nanowires by nanoscale luminescence characterization. <i>New Journal of Physics</i> , 2016 , 18, 063009	2.9	10
186	Surface plasmon resonance spectroscopy of single bowtie nano-antennas using a differential reflectivity method. <i>Scientific Reports</i> , 2016 , 6, 23203	4.9	44
185	Optical control of nonlinearly dressed states in an individual quantum dot. <i>Physical Review B</i> , 2016 , 93,	3.3	15
184	Coulomb Mediated Hybridization of Excitons in Coupled Quantum Dots. <i>Physical Review Letters</i> , 2016 , 116, 077401	7.4	20
183	Quantum Effects in Higher-Order Correlators of a Quantum-Dot Spin Qubit. <i>Physical Review Letters</i> , 2016 , 117, 027402	7.4	21
182	Laser intensity effects in carrier-envelope phase-tagged time of flight-photoemission electron microscopy. <i>Applied Physics B: Lasers and Optics</i> , 2016 , 122, 1	1.9	4
181	Monolithically Integrated High- Γ Nanowire Lasers on Silicon. <i>Nano Letters</i> , 2016 , 16, 152-6	11.5	86
180	Stark Effect Spectroscopy of Mono- and Few-Layer MoS ₂ . <i>Nano Letters</i> , 2016 , 16, 1554-9	11.5	61
179	Metamorphic plasmonic nanoantennas for self-enhanced nonlinear light generation. <i>Optica</i> , 2016 , 3, 1453	8.6	8
178	Widely tunable alloy composition and crystal structure in catalyst-free InGaAs nanowire arrays grown by selective area molecular beam epitaxy. <i>Applied Physics Letters</i> , 2016 , 108, 053110	3.4	22

177	Suppression of alloy fluctuations in GaAs-AlGaAs core-shell nanowires. <i>Applied Physics Letters</i> , 2016 , 109, 093105	3.4	17
176	Continuous wave lasing from individual GaAs-AlGaAs core-shell nanowires. <i>Applied Physics Letters</i> , 2016 , 108, 071107	3.4	21
175	Surface acoustic wave regulated single photon emission from a coupled quantum dot-cavity system. <i>Applied Physics Letters</i> , 2016 , 109, 033105	3.4	24
174	Coaxial GaAs-AlGaAs core-multishell nanowire lasers with epitaxial gain control. <i>Applied Physics Letters</i> , 2016 , 108, 011108	3.4	54
173	The Native Material Limit of Electron and Hole Mobilities in Semiconductor Nanowires. <i>ACS Nano</i> , 2016 , 10, 4942-53	16.7	21
172	Emission redistribution from a quantum dot-bowtie nanoantenna. <i>Journal of Nanophotonics</i> , 2016 , 10, 033509	1.1	9
171	Integrated superconducting detectors on semiconductors for quantum optics applications. <i>Applied Physics B: Lasers and Optics</i> , 2016 , 122, 1	1.9	13
170	Direct Measurements of Fermi Level Pinning at the Surface of Intrinsically n-Type InGaAs Nanowires. <i>Nano Letters</i> , 2016 , 16, 5135-42	11.5	46
169	Tunable quantum confinement in ultrathin, optically active semiconductor nanowires via reverse-reaction growth. <i>Advanced Materials</i> , 2015 , 27, 2195-202	24	39
168	Alloy Fluctuations Act as Quantum Dot-like Emitters in GaAs-AlGaAs Core-Shell Nanowires. <i>ACS Nano</i> , 2015 , 9, 8335-43	16.7	60
167	Towards on-chip generation, routing and detection of non-classical light 2015 ,		3
166	On-Chip Generation, Routing, and Detection of Resonance Fluorescence. <i>Nano Letters</i> , 2015 , 15, 5208-13	11.5	57
165	In situ synthesis of VO ₂ for tunable mid-infrared photonic devices. <i>RSC Advances</i> , 2015 , 5, 59506-59512	3.7	5
164	Independent dynamic acousto-mechanical and electrostatic control of individual quantum dots in a LiNbO ₃ -GaAs hybrid. <i>Applied Physics Letters</i> , 2015 , 106, 013107	3.4	17
163	Lattice-Matched InGaAs-InAlAs Core-Shell Nanowires with Improved Luminescence and Photoresponse Properties. <i>Nano Letters</i> , 2015 , 15, 3533-40	11.5	35
162	Demonstration of Confined Electron Gas and Steep-Slope Behavior in Delta-Doped GaAs-AlGaAs Core-Shell Nanowire Transistors. <i>Nano Letters</i> , 2015 , 15, 3295-302	11.5	53
161	Three-stage decoherence dynamics of an electron spin qubit in an optically active quantum dot. <i>Nature Physics</i> , 2015 , 11, 1005-1008	16.2	71
160	Dynamic acousto-optic control of a strongly coupled photonic molecule. <i>Nature Communications</i> , 2015 , 6, 8540	17.4	34

159	Crystal Phase Quantum Dots in the Ultrathin Core of GaAs-AlGaAs Core-Shell Nanowires. <i>Nano Letters</i> , 2015 , 15, 7544-51	11.5	39
158	Photocurrents in a Single InAs Nanowire/Silicon Heterojunction. <i>ACS Nano</i> , 2015 , 9, 9849-58	16.7	25
157	Ultrafast Photodetection in the Quantum Wells of Single AlGaAs/GaAs-Based Nanowires. <i>Nano Letters</i> , 2015 , 15, 6869-74	11.5	30
156	Controlled tunneling-induced dephasing of Rabi rotations for high-fidelity hole spin initialization. <i>Physical Review B</i> , 2015 , 92,	3.3	11
155	Strong transmittance above the light line in mid-infrared two-dimensional photonic crystals. <i>Journal of Applied Physics</i> , 2015 , 117, 223101	2.5	2
154	Virtual Proofs of Reality and their Physical Implementation 2015 ,		27
153	A 2D semiconductor-self-assembled monolayer photoswitchable diode. <i>Advanced Materials</i> , 2015 , 27, 1426-31	24	44
152	Imaging surface plasmon polaritons using proximal self-assembled InGaAs quantum dots. <i>Journal of Applied Physics</i> , 2014 , 116, 033101	2.5	9
151	Optical properties and interparticle coupling of plasmonic bowtie nanoantennas on a semiconducting substrate. <i>Physical Review B</i> , 2014 , 90,	3.3	23
150	Effect of interwire separation on growth kinetics and properties of site-selective GaAs nanowires. <i>Applied Physics Letters</i> , 2014 , 105, 033111	3.4	27
149	Emitters of γ -photon bundles. <i>Nature Photonics</i> , 2014 , 8, 550-555	33.9	93
148	Dynamic acoustic control of individual optically active quantum dot-like emission centers in heterostructure nanowires. <i>Nano Letters</i> , 2014 , 14, 2256-64	11.5	56
147	Tuning the optical emission of MoS ₂ nanosheets using proximal photoswitchable azobenzene molecules. <i>Applied Physics Letters</i> , 2014 , 105, 241116	3.4	29
146	Radio frequency occupancy state control of a single nanowire quantum dot. <i>Journal Physics D: Applied Physics</i> , 2014 , 47, 394011	3	19
145	Dissipative preparation of the exciton and biexciton in self-assembled quantum dots on picosecond time scales. <i>Physical Review B</i> , 2014 , 90,	3.3	58
144	A carrier relaxation bottleneck probed in single InGaAs quantum dots using integrated superconducting single photon detectors. <i>Applied Physics Letters</i> , 2014 , 105, 081107	3.4	14
143	Valence band splitting in wurtzite InGaAs nanoneedles studied by photoluminescence excitation spectroscopy. <i>ACS Nano</i> , 2014 , 8, 11440-6	16.7	8
142	Highly directed emission from self-assembled quantum dots into guided modes in disordered photonic-crystal waveguides. <i>Physical Review B</i> , 2014 , 90,	3.3	4

141	Emergence of photoswitchable states in a graphene-azobenzene-Au platform. <i>Nano Letters</i> , 2014 , 14, 6823-7	11.5	32
140	Optical study of lithographically defined, subwavelength plasmonic wires and their coupling to embedded quantum emitters. <i>Nanotechnology</i> , 2014 , 25, 075203	3.4	6
139	Laterally self-ordered silicon-germanium islands with optimized confinement properties. <i>Applied Physics Letters</i> , 2013 , 103, 063105	3.4	3
138	Lasing from individual GaAs-AlGaAs core-shell nanowires up to room temperature. <i>Nature Communications</i> , 2013 , 4, 2931	17.4	186
137	Enhanced luminescence properties of InAs-InAsP core-shell nanowires. <i>Nano Letters</i> , 2013 , 13, 6070-7	11.5	62
136	All optical quantum control of a spin-quantum state and ultrafast transduction into an electric current. <i>Scientific Reports</i> , 2013 , 3, 1906	4.9	23
135	High mobility one- and two-dimensional electron systems in nanowire-based quantum heterostructures. <i>Nano Letters</i> , 2013 , 13, 6189-96	11.5	52
134	Spontaneous alloy composition ordering in GaAs-AlGaAs core-shell nanowires. <i>Nano Letters</i> , 2013 , 13, 1522-7	11.5	106
133	Optimisation of NbN thin films on GaAs substrates for in-situ single photon detection in structured photonic devices. <i>Journal of Applied Physics</i> , 2013 , 113, 143507	2.5	17
132	Role of microstructure on optical properties in high-uniformity In _{1-x} Ga _x As nanowire arrays: Evidence of a wider wurtzite band gap. <i>Physical Review B</i> , 2013 , 87,	3.3	42
131	Acoustically regulated carrier injection into a single optically active quantum dot. <i>Physical Review B</i> , 2013 , 88,	3.3	34
130	Probing ultrafast carrier tunneling dynamics in individual quantum dots and molecules. <i>Annalen Der Physik</i> , 2013 , 525, 49-58	2.6	14
129	On-chip time resolved detection of quantum dot emission using integrated superconducting single photon detectors. <i>Scientific Reports</i> , 2013 , 3, 1901	4.9	84
128	Probing the trapping and thermal activation dynamics of excitons at single twin defects in GaAs/AlGaAs core-shell nanowires. <i>New Journal of Physics</i> , 2013 , 15, 113032	2.9	24
127	High compositional homogeneity in In-rich InGaAs nanowire arrays on nanoimprinted SiO ₂ /Si (111). <i>Applied Physics Letters</i> , 2012 , 101, 043116	3.4	51
126	Surface acoustic wave controlled charge dynamics in a thin InGaAs quantum well. <i>JETP Letters</i> , 2012 , 95, 575-580	1.2	11
125	Diameter dependent optical emission properties of InAs nanowires grown on Si. <i>Applied Physics Letters</i> , 2012 , 101, 053103	3.4	34
124	Coupling of guided surface plasmon polaritons to proximal self-assembled InGaAs Quantum Dots 2012 ,		2

123	Quantum dynamics of damped and driven anharmonic oscillators. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012 , 9, 1296-1302		1
122	Electrical control of interdot electron tunneling in a double InGaAs quantum-dot nanostructure. <i>Physical Review Letters</i> , 2012 , 108, 197402	7.4	68
121	High-fidelity optical preparation and coherent Larmor precession of a single hole in an (In,Ga)As quantum dot molecule. <i>Physical Review B</i> , 2012 , 85,	3.3	34
120	Highly nonlinear excitonic Zeeman spin splitting in composition-engineered artificial atoms. <i>Physical Review B</i> , 2012 , 85,	3.3	21
119	A three-dimensional silicon photonic crystal nanocavity with enhanced emission from embedded germanium islands. <i>New Journal of Physics</i> , 2012 , 14, 083035	2.9	10
118	Climbing the Jaynes-Cummings ladder by photon counting. <i>Journal of Nanophotonics</i> , 2012 , 6, 061803	1.1	31
117	Rate-limiting mechanisms in high-temperature growth of catalyst-free InAs nanowires with large thermal stability. <i>Nanotechnology</i> , 2012 , 23, 235602	3.4	35
116	Universal signatures of lasing in the strong coupling regime 2012 ,		5
115	A Waveguide-Coupled On-Chip Single-Photon Source. <i>Physical Review X</i> , 2012 , 2,	9.1	100
114	Broadband Purcell enhanced emission dynamics of quantum dots in linear photonic crystal waveguides. <i>Journal of Applied Physics</i> , 2012 , 112, 093520	2.5	13
113	All optical preparation, storage, and readout of a single spin in an individual quantum dot 2012 ,		2
112	Direct measurement of plasmon propagation lengths on lithographically defined metallic waveguides on GaAs. <i>Journal of Applied Physics</i> , 2011 , 110, 123106	2.5	6
111	Absence of vapor-liquid-solid growth during molecular beam epitaxy of self-induced InAs nanowires on Si. <i>Applied Physics Letters</i> , 2011 , 98, 123114	3.4	67
110	Direct observation of a noncatalytic growth regime for GaAs nanowires. <i>Nano Letters</i> , 2011 , 11, 3848-54	11.5	108
109	Direct observation of metastable hot trions in an individual quantum dot. <i>Physical Review B</i> , 2011 , 84,	3.3	21
108	Strong photoluminescence enhancement from colloidal quantum dot near silver nano-island films. <i>Journal of Fluorescence</i> , 2011 , 21, 539-43	2.4	2
107	Luminescence spectra of quantum dots in microcavities. III. Multiple quantum dots. <i>Physical Review B</i> , 2011 , 84,	3.3	26
106	Directional and dynamic modulation of the optical emission of an individual GaAs nanowire using surface acoustic waves. <i>Nano Letters</i> , 2011 , 11, 1512-7	11.5	44

105	Electrical control of the exciton-biexciton splitting in self-assembled InGaAs quantum dots. <i>Nanotechnology</i> , 2011 , 22, 325202	3.4	22
104	Excited state quantum couplings and optical switching of an artificial molecule. <i>Physical Review B</i> , 2011 , 84,	3.3	14
103	Fabrication of high-Q silicon-based three-dimensional photonic crystal nanocavity and its lasing oscillation with InAs quantum-dot gain 2011 ,		1
102	Correlation between emission intensity of self-assembled germanium islands and quality factor of silicon photonic crystal nanocavities. <i>Physical Review B</i> , 2011 , 84,	3.3	10
101	Observation and explanation of strong electrically tunable exciton g factors in composition engineered In(Ga)As quantum dots. <i>Physical Review B</i> , 2011 , 83,	3.3	32
100	Nonresonant feeding of photonic crystal nanocavity modes by quantum dots. <i>Journal of Applied Physics</i> , 2011 , 109, 102404	2.5	12
99	Shape control of quantum dots studied by cross-sectional scanning tunneling microscopy. <i>Journal of Applied Physics</i> , 2011 , 109, 102413	2.5	10
98	Coplanar stripline antenna design for optically detected magnetic resonance on semiconductor quantum dots. <i>Review of Scientific Instruments</i> , 2011 , 82, 074707	1.7	6
97	Asymmetric optical nuclear spin pumping in a single uncharged quantum dot. <i>Physical Review B</i> , 2010 , 82,	3.3	8
96	Observation of an electrically tunable exciton g factor in InGaAs/GaAs quantum dots. <i>Applied Physics Letters</i> , 2010 , 96, 053113	3.4	28
95	Optically monitoring electron spin relaxation in a single quantum dot using a spin memory device. <i>Physical Review B</i> , 2010 , 82,	3.3	16
94	Temporal monitoring of nonresonant feeding of semiconductor nanocavity modes by quantum dot multiexciton transitions. <i>Physical Review B</i> , 2010 , 81,	3.3	46
93	Ultrafast few-fermion optoelectronics in a single self-assembled InGaAs/GaAs quantum dot. <i>Physical Review B</i> , 2010 , 82,	3.3	25
92	Mutual coupling of two semiconductor quantum dots via an optical nanocavity. <i>Physical Review B</i> , 2010 , 82,	3.3	71
91	An atomically resolved study of InGaAs quantum dot layers grown with an indium flush step. <i>Nanotechnology</i> , 2010 , 21, 215705	3.4	14
90	Enhanced photoluminescence emission from two-dimensional silicon photonic crystal nanocavities. <i>New Journal of Physics</i> , 2010 , 12, 053005	2.9	23
89	Growth kinetics in position-controlled and catalyst-free InAs nanowire arrays on Si(111) grown by selective area molecular beam epitaxy. <i>Journal of Applied Physics</i> , 2010 , 108, 114316	2.5	122
88	Recent progress towards acoustically mediated carrier injection into individual nanostructures for single photon generation 2010 ,		1

87	Design and realization of low density InAs quantum dots on AlGaInAs lattice matched to InP(001). <i>Journal of Crystal Growth</i> , 2010 , 312, 2300-2304	1.6	4
86	Cascaded exciton emission of an individual strain-induced quantum dot. <i>Applied Physics Letters</i> , 2009 , 95, 083122	3.4	5
85	Explanation of photon correlations in the far-off-resonance optical emission from a quantum-dot-cavity system. <i>Physical Review Letters</i> , 2009 , 103, 207403	7.4	160
84	Efficient and selective cavity-resonant excitation for single photon generation. <i>New Journal of Physics</i> , 2009 , 11, 013031	2.9	17
83	Outcoupling of Light Generated in a Monolithic Silicon Photonic Crystal Nanocavity through a Lateral Waveguide. <i>Japanese Journal of Applied Physics</i> , 2009 , 48, 062003	1.4	
82	Phonon-assisted transitions from quantum dot excitons to cavity photons. <i>Physical Review B</i> , 2009 , 80,	3.3	101
81	Dephasing of exciton polaritons in photoexcited InGaAs quantum dots in GaAs nanocavities. <i>Physical Review Letters</i> , 2009 , 103, 087405	7.4	88
80	Electrical control of spontaneous emission and strong coupling for a single quantum dot. <i>New Journal of Physics</i> , 2009 , 11, 023034	2.9	118
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