

Robert A Taylor

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.

202
papers

3,544
citations

30
h-index

50
g-index

227
ext. papers

3,900
ext. citations

4.7
avg, IF

4.86
L-index

#	Paper	IF	Citations
202	Reconfigurable Low-Emissivity Optical Coating Using Ultrathin Phase Change Materials. <i>ACS Photonics</i> , 2022 , 9, 90-100	6.3	1
201	Decreased Fast Time Scale Spectral Diffusion of a Nonpolar InGaN Quantum Dot. <i>ACS Photonics</i> , 2022 , 9, 275-281	6.3	1
200	Imaging Nonradiative Point Defects Buried in Quantum Wells Using Cathodoluminescence. <i>Nano Letters</i> , 2021 , 21, 5217-5224	11.5	5
199	Fe on molecular-layer MoS ₂ as inorganic Fe-S ₂ -Mo motifs for light-driven nitrogen fixation to ammonia at elevated temperatures. <i>Chem Catalysis</i> , 2021 , 1, 162-182		11
198	Two-Photon Laser-Written Photoalignment Layers for Patterning Liquid Crystalline Conjugated Polymer Orientation. <i>Advanced Functional Materials</i> , 2021 , 31, 2007493	15.6	7
197	Coarse and fine-tuning of lasing transverse electromagnetic modes in coupled all-inorganic perovskite quantum dots. <i>Nano Research</i> , 2021 , 14, 108-113	10	3
196	Resonantly Pumped Bright-Triplet Exciton Lasing in Cesium Lead Bromide Perovskites. <i>ACS Photonics</i> , 2021 , 8, 2699-2704	6.3	0
195	Quantification of Temperature-Dependent Charge Separation and Recombination Dynamics in Non-Fullerene Organic Photovoltaics. <i>Advanced Functional Materials</i> , 2021 , 31, 2107157	15.6	4
194	Faraday-cage-assisted etching of suspended gallium nitride nanostructures. <i>AIP Advances</i> , 2020 , 10, 055319	1.9	1
193	Enhanced photoluminescence quantum yield of MAPbBr ₃ nanocrystals by passivation using graphene. <i>Nano Research</i> , 2020 , 13, 932-938	10	5
192	Optical shaping of the polarization anisotropy in a laterally coupled quantum dot dimer. <i>Light: Science and Applications</i> , 2020 , 9, 100	16.7	5
191	Non-polar nitride single-photon sources. <i>Journal of Optics (United Kingdom)</i> , 2020 , 22, 073001	1.7	1
190	Near-Strain-Free GaN/AlGaIn Narrow Line Width UV Light Emission with Very Stable Wavelength on Excitation Power by Using Superlattices. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 571-579	4	2
189	Enhanced and Polarization-Dependent Coupling for Photoaligned Liquid Crystalline Conjugated Polymer Microcavities. <i>ACS Photonics</i> , 2020 , 7, 746-758	6.3	12
188	Highly Efficient Photoluminescence and Lasing from Hydroxide Coated Fully Inorganic Perovskite Micro/Nano-Rods. <i>Advanced Optical Materials</i> , 2020 , 8, 2001235	8.1	2
187	Excitation and temperature dependence of the broad gain spectrum in GaAs/AlGaAs quantum rings. <i>Applied Physics Letters</i> , 2020 , 117, 213101	3.4	0
186	Transmissivity and Reflectivity of a Transverse-Electric Polarized Wave Incident on a Microcavity Containing Strongly Coupled Excitons with In-plane Uniaxially Oriented Transition Dipole Moments. <i>Physica Status Solidi (B): Basic Research</i> , 2020 , 257, 2000235	1.3	

185	Purcell enhancement of a deterministically coupled quantum dot in an SU-8 laser patterned photonic crystal heterostructure. <i>Applied Physics Letters</i> , 2020 , 117, 043103	3.4	2
184	2D photocatalysts with tuneable supports for enhanced photocatalytic water splitting. <i>Materials Today</i> , 2020 , 41, 34-43	21.8	16
183	Photocatalytic water splitting by N-TiO on MgO (111) with exceptional quantum efficiencies at elevated temperatures. <i>Nature Communications</i> , 2019 , 10, 4421	17.4	76
182	III ν compounds as single photon emitters. <i>Journal of Semiconductors</i> , 2019 , 40, 071906	2.3	5
181	Temperature induced crossing in the optical bandgap of mono and bilayer MoS on SiO. <i>Scientific Reports</i> , 2018 , 8, 5380	4.9	2
180	Carrier confinement effects of In Ga ν -N/GaN multi quantum disks with GaN surface barriers grown in GaN nanorods. <i>Optical Materials</i> , 2018 , 78, 365-369	3.3	3
179	Room-temperature InP/InGaAs nano-ridge lasers grown on Si and emitting at telecom bands. <i>Optica</i> , 2018 , 5, 918	8.6	29
178	Photonic molecules defined by SU-8 photoresist strips on a photonic crystal waveguide. <i>Optics Express</i> , 2018 , 26, 32332-32345	3.3	2
177	Light Controlled Optical Aharonov-Bohm Oscillations in a Single Quantum Ring. <i>Nano Letters</i> , 2018 , 18, 6188-6194	11.5	7
176	Optical Aharonov-Bohm Oscillations with Disorder Effects and Wigner Molecule in a Single GaAs/AlGaAs Quantum Ring. <i>Nanoscience and Technology</i> , 2018 , 231-254	0.6	
175	Linearly polarized photoluminescence of InGaN quantum disks embedded in GaN nanorods. <i>Scientific Reports</i> , 2018 , 8, 8124	4.9	4
174	Quasi-one-dimensional density of states in a single quantum ring. <i>Scientific Reports</i> , 2017 , 7, 40026	4.9	20
173	Long Stokes shifts and vibronic couplings in perfluorinated polyanilines. <i>Chemical Communications</i> , 2017 , 53, 2602-2605	5.8	5
172	Electrically tunable organic-inorganic hybrid polaritons with monolayer WS. <i>Nature Communications</i> , 2017 , 8, 14097	17.4	44
171	Two-Dimensional Excitonic Photoluminescence in Graphene on a Cu Surface. <i>ACS Nano</i> , 2017 , 11, 3207-3217	26.7	9
170	Interplay between many body effects and Coulomb screening in the optical bandgap of atomically thin MoS. <i>Nanoscale</i> , 2017 , 9, 10647-10652	7.7	13
169	Optical polarization in mono and bilayer MoS 2. <i>Current Applied Physics</i> , 2017 , 17, 1153-1157	2.6	3
168	Theoretical and experimental analysis of radiative recombination lifetimes in nonpolar InGaN/GaN quantum dots. <i>Physica Status Solidi (B): Basic Research</i> , 2017 , 254, 1600675	1.3	14

167	High-temperature performance of non-polar (11 $\bar{2}$ 0) InGaN quantum dots grown by a quasi-two-temperature method. <i>Physica Status Solidi (B): Basic Research</i> , 2017 , 254, 1600724	1.3	5
166	CF-Bridged C Fullerene Dimers and their Optical Transitions. <i>ChemPhysChem</i> , 2017 , 18, 3540-3543	3.2	2
165	Deterministic optical polarisation in nitride quantum dots at thermoelectrically cooled temperatures. <i>Scientific Reports</i> , 2017 , 7, 12067	4.9	10
164	Direct generation of linearly polarized single photons with a deterministic axis in quantum dots. <i>Nanophotonics</i> , 2017 , 6, 1175-1183	6.3	11
163	Temperature-dependent fine structure splitting in InGaN quantum dots. <i>Applied Physics Letters</i> , 2017 , 111, 053101	3.4	4
162	A Nanophotonic Structure Containing Living Photosynthetic Bacteria. <i>Small</i> , 2017 , 13, 1701777	11	36
161	Polarisation-controlled single photon emission at high temperatures from InGaN quantum dots. <i>Nanoscale</i> , 2017 , 9, 9421-9427	7.7	22
160	Structure-Activity Correlations for Brønsted Acid, Lewis Acid, and Photocatalyzed Reactions of Exfoliated Crystalline Niobium Oxides. <i>ChemCatChem</i> , 2017 , 9, 144-154	5.2	14
159	Highly polarized electrically driven single-photon emission from a non-polar InGaN quantum dot. <i>Applied Physics Letters</i> , 2017 , 111, 251108	3.4	6
158	Optical fabrication and characterisation of SU-8 disk photonic waveguide heterostructure cavities. <i>Optics Express</i> , 2017 , 25, 24615-24622	3.3	6
157	Organic molecule fluorescence as an experimental test-bed for quantum jumps in thermodynamics. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2017 , 473, 20170099 ²⁻⁴	2.4	1
156	Quantum dot-like excitonic behavior in individual single walled-carbon nanotubes. <i>Scientific Reports</i> , 2016 , 6, 37167	4.9	4
155	Strong Exciton-Photon Coupling with Colloidal Nanoplatelets in an Open Microcavity. <i>Nano Letters</i> , 2016 , 16, 7137-7141	11.5	35
154	Exciton Dipole-Dipole Interaction in a Single Coupled-Quantum-Dot Structure via Polarized Excitation. <i>Nano Letters</i> , 2016 , 16, 7755-7760	11.5	16
153	Carrier trapping and confinement in Ge nanocrystals surrounded by Ge ₃ N ₄ . <i>Scientific Reports</i> , 2016 , 6, 25449	4.9	5
152	Room-temperature exciton-polaritons with two-dimensional WS ₂ . <i>Scientific Reports</i> , 2016 , 6, 33134	4.9	120
151	Observation of a Biexciton Wigner Molecule by Fractional Optical Aharonov-Bohm Oscillations in a Single Quantum Ring. <i>Nano Letters</i> , 2016 , 16, 27-33	11.5	30
150	Color Depth Modulation and Resolution in Phase-Change Material Nanodisplays. <i>Advanced Materials</i> , 2016 , 28, 4720-6	24	85

149	Gain Spectroscopy of Solution-Based Semiconductor Nanocrystals in Tunable Optical Microcavities. <i>Advanced Optical Materials</i> , 2016 , 4, 285-290	8.1	10
148	Plasmonic Gas Sensing Using Nanocube Patch Antennas. <i>Advanced Optical Materials</i> , 2016 , 4, 634-642	8.1	36
147	Ultrafast, Polarized, Single-Photon Emission from m-Plane InGaN Quantum Dots on GaN Nanowires. <i>Nano Letters</i> , 2016 , 16, 7779-7785	11.5	23
146	Charge separated states and singlet oxygen generation of mono and bis adducts of C60 and C70. <i>Chemical Physics</i> , 2016 , 465-466, 28-39	2.3	14
145	Sensors: Plasmonic Gas Sensing Using Nanocube Patch Antennas (Advanced Optical Materials 4/2016). <i>Advanced Optical Materials</i> , 2016 , 4, 644-644	8.1	
144	Towards witnessing quantum effects in complex molecules. <i>Faraday Discussions</i> , 2015 , 184, 183-91	3.6	2
143	Reduced Stark shift in three-dimensionally confined GaN/AlGaIn asymmetric multi-quantum disks. <i>Optical Materials Express</i> , 2015 , 5, 849	2.6	2
142	Non-polar InGaIn quantum dot emission with crystal-axis oriented linear polarization. <i>Applied Physics Letters</i> , 2015 , 106, 171108	3.4	11
141	Diffusion-driven continuous-wave-pumped organic dye lasers. <i>Laser and Photonics Reviews</i> , 2015 , 9, 538-544	3.4	10
140	Surface-Effect-Induced Optical Bandgap Shrinkage in GaN Nanotubes. <i>Nano Letters</i> , 2015 , 15, 4472-6	11.5	17
139	Non-polar (11 $\bar{2}$ 0) InGaIn quantum dots with short exciton lifetimes grown by metal-organic vapour phase epitaxy. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2014 , 11, 698-701		4
138	High temperature stability in non-polar (11 $\bar{2}$ 0) InGaIn quantum dots: Exciton and biexciton dynamics. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2014 , 11, 702-705		17
137	Low gain threshold density of a single InGaP quantum well sandwiched by digital alloy. <i>Current Applied Physics</i> , 2014 , 14, 1293-1295	2.6	1
136	Hyperspectral imaging of exciton photoluminescence in individual carbon nanotubes controlled by high magnetic fields. <i>Nano Letters</i> , 2014 , 14, 5194-200	11.5	15
135	Growth of non-polar (11-20) InGaIn quantum dots by metal organic vapour phase epitaxy using a two temperature method. <i>APL Materials</i> , 2014 , 2, 126101	5.7	16
134	Observations of Rabi oscillations in a non-polar InGaIn quantum dot. <i>Applied Physics Letters</i> , 2014 , 104, 263108	3.4	16
133	Temperature dependence of the radiative recombination time in ZnO nanorods under an external magnetic field of 6 T. <i>Optics Express</i> , 2014 , 22, 17959-67	3.3	5
132	Strong coupling between chlorosomes of photosynthetic bacteria and a confined optical cavity mode. <i>Nature Communications</i> , 2014 , 5, 5561	17.4	80

131	Growth of InGaN quantum dots with AlGaN barrier layers via modified droplet epitaxy. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2013 , 178, 1390-1394	3.1	5
130	Asymmetry of localised states in a single quantum ring: Polarization dependence of excitons and biexcitons. <i>Applied Physics Letters</i> , 2013 , 102, 033112	3.4	24
129	Confocal microphotoluminescence mapping of coupled and detuned states in photonic molecules. <i>Optics Express</i> , 2013 , 21, 16934-45	3.3	9
128	Excited exciton and biexciton localised states in a single quantum ring. <i>Applied Physics Letters</i> , 2013 , 103, 173106	3.4	12
127	Non-polar (11-20) InGaN quantum dots with short exciton lifetimes grown by metal-organic vapor phase epitaxy. <i>Applied Physics Letters</i> , 2013 , 102, 251905	3.4	32
126	Photoluminescence of Single GaN/InGaN Nanorod Light Emitting Diode Fabricated on a Wafer Scale. <i>Japanese Journal of Applied Physics</i> , 2013 , 52, 08JE20	1.4	2
125	Origins of Spectral Diffusion in the Micro-Photoluminescence of Single InGaN Quantum Dots. <i>Japanese Journal of Applied Physics</i> , 2013 , 52, 08JE01	1.4	13
124	Optical studies of the surface effects from the luminescence of single GaN/InGaN nanorod light emitting diodes fabricated on a wafer scale. <i>Applied Physics Letters</i> , 2013 , 102, 111906	3.4	14
123	Selective self-assembly and characterization of GaN nanopyramids on m-plane InGaN/GaN quantum disks. <i>Nanotechnology</i> , 2012 , 23, 405602	3.4	
122	Growth and optical characterisation of multilayers of InGaN quantum dots. <i>Journal of Crystal Growth</i> , 2012 , 338, 262-266	1.6	12
121	Optical studies of GaN nanocolumns containing InGaN quantum disks and the effect of strain relaxation on the carrier distribution. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012 , 9, 712-714		3
120	Optical studies of quantum dot-like emission from localisation centres in InGaN/GaN nanorod array LEDs. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012 , 9, 635-638		1
119	Amplified all-optical polarization phase modulator assisted by a local surface plasmon in Au-hybrid CdSe quantum dots. <i>Optics Express</i> , 2012 , 20, 19735-43	3.3	3
118	Optical cavity efficacy and lasing of focused ion beam milled GaN/InGaN micropillars. <i>Journal of Applied Physics</i> , 2012 , 112, 113516	2.5	1
117	Quantum confined carrier transition in a GaN/InGaN/GaN single quantum well bounded by AlGaN barriers. <i>Solid State Communications</i> , 2011 , 151, 1941-1944	1.6	2
116	GaN nanorods grown on Si (111) substrates and exciton localization. <i>Nanoscale Research Letters</i> , 2011 , 6, 81	5	10
115	Non-equilibrium carrier dynamics and many body effects in highly excited GaN. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011 , 208, 1159-1165	1.6	9
114	InGaN super-lattice growth for fabrication of quantum dot containing microdisks. <i>Journal of Crystal Growth</i> , 2011 , 321, 113-119	1.6	3

113	Optical studies on a single GaN nanocolumn containing a single In _x Ga _{1-x} N quantum disk. <i>Applied Physics Letters</i> , 2011 , 98, 251908	3.4	6
112	Carrier dynamics of In _x Ga _{1-x} N quantum disks embedded in GaN nanocolumns. <i>Journal of Applied Physics</i> , 2011 , 109, 063515	2.5	9
111	Strongly coupled single quantum dot in a photonic crystal waveguide cavity. <i>Applied Physics Letters</i> , 2010 , 97, 111101	3.4	35
110	Cavity modes of tapered ZnO nanowires. <i>New Journal of Physics</i> , 2010 , 12, 083052	2.9	6
109	Quantum confined Stark effect of InGaN/GaN multi-quantum disks grown on top of GaN nanorods. <i>Nanotechnology</i> , 2010 , 21, 115401	3.4	10
108	High Up-Conversion Efficiency of YVO ₄ :Yb,Er Nanoparticles in Water down to the Single-Particle Level. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 22449-22454	3.8	99
107	Optical properties of bulk-like GaN nanorods grown on Si(111) substrates by rf-plasma assisted molecular beam epitaxy. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010 , 7, 2211-2213		
106	Q-factor measurements on planar nitride cavities. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010 , 7, 1866-1868		
105	Effects of Surface Recombination on Exciton Dynamics in GaN Nanorods. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2010 , 4, 307-311	1.3	3
104	Micro- and Time-resolved Photoluminescence in GaN Nanorods with Different Diameters. <i>Journal of the Korean Physical Society</i> , 2010 , 57, 756-759	0.6	7
103	Cavity Enhancement of Single Quantum Dot Emission in the Blue. <i>Nanoscale Research Letters</i> , 2009 , 5, 608-612	5	3
102	Quantum confined Stark effect and corresponding lifetime reduction in a single In _x Ga _{1-x} N quantum disk. <i>Applied Physics Letters</i> , 2009 , 95, 181910	3.4	10
101	Nitride-based quantum dots for single photon source applications. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009 , 206, 2510-2523	1.6	21
100	Non-linear excitation and correlation studies of single InGaN quantum dots. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009 , 6, 864-867		2
99	Design of leaky modes of two-dimensional photonic crystal slabs to enhance the luminescence from Er ₃ N@C ₈₀ fullerenes. <i>Optics Communications</i> , 2009 , 282, 3637-3640	2	2
98	Optical properties of Er ³⁺ in fullerenes and in PbF ₂ single-crystals. <i>Optical Materials</i> , 2009 , 32, 251-256	3.3	13
97	Acuminated fluorescence of Er ³⁺ centres in endohedral fullerenes through the incarceration of a carbide cluster. <i>Chemical Physics Letters</i> , 2009 , 476, 41-45	2.5	13
96	Two-photon autocorrelation measurements on a single InGaN/GaN quantum dot. <i>Nanotechnology</i> , 2009 , 20, 245702	3.4	8

95	Mapping cavity modes of ZnO nanobelts. <i>Applied Physics Letters</i> , 2009 , 94, 231103	3.4	19
94	Abnormal photoluminescence properties of GaN nanorods grown on Si(111) by molecular-beam epitaxy. <i>Nanotechnology</i> , 2008 , 19, 475402	3.4	16
93	Electrically driven single InGaN/GaN quantum dot emission. <i>Applied Physics Letters</i> , 2008 , 93, 233103	3.4	11
92	Towards registered single quantum dot photonic devices. <i>Nanotechnology</i> , 2008 , 19, 455307	3.4	4
91	Growth and assessment of InGaN quantum dots in a microcavity: A blue single photon source. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008 , 147, 108-113	3.1	25
90	Fabrication of Ultrathin Single-Crystal Diamond Membranes. <i>Advanced Materials</i> , 2008 , 20, 4793-4798	2.4	112
89	Experimental and theoretical study of the quantum-confined Stark effect in a single InGaN/GaN quantum dot under applied vertical electric field. <i>Superlattices and Microstructures</i> , 2008 , 43, 431-435	2.8	12
88	Progress in the optical studies of single InGaN/GaN quantum dots. <i>Philosophical Magazine</i> , 2007 , 87, 2077-2093	1.6	8
87	Configuration-selective spectroscopic studies of Er ³⁺ centers in ErSc ₂ N@C ₈₀ and Er ₂ ScN@C ₈₀ fullerenes. <i>Journal of Chemical Physics</i> , 2007 , 127, 194504	3.9	12
86	Materials challenges for devices based on single, self-assembled InGaN quantum dots. <i>Journal of Physics: Conference Series</i> , 2007 , 61, 889-893	0.3	7
85	Control of the oscillator strength of the exciton in a single InGaN-GaN quantum dot. <i>Physical Review Letters</i> , 2007 , 99, 197403	7.4	52
84	Cavity-enhanced blue single-photon emission from a single InGaN/GaN quantum dot. <i>Applied Physics Letters</i> , 2007 , 91, 052101	3.4	54
83	Creating diamond color centers for quantum optical applications. <i>Diamond and Related Materials</i> , 2007 , 16, 1887-1895	3.5	99
82	Photoluminescence properties of a single GaN nanorod with GaN/AlGaN multilayer quantum disks. <i>Applied Physics Letters</i> , 2007 , 90, 101901	3.4	18
81	Magneto-optical studies of single-wall carbon nanotubes. <i>Physical Review B</i> , 2007 , 76,	3.3	22
80	Time-resolved spectroscopy of non-thermal carrier dynamics in GaN. <i>Current Applied Physics</i> , 2006 , 6, 909-912	2.6	3
79	The recombination mechanism of Mg-doped GaN nanorods grown by plasma-assisted molecular-beam epitaxy. <i>Nanotechnology</i> , 2006 , 17, 913-916	3.4	12
78	Two-photon excitation spectroscopy of coupled asymmetric GaN/AlGaN quantum discs. <i>Nanotechnology</i> , 2006 , 17, 5754-5758	3.4	2

77	Enhancement of free-carrier screening due to tunneling in coupled asymmetric GaN/AlGaIn quantum discs. <i>Applied Physics Letters</i> , 2006 , 89, 023103	3.4	13
76	Crystal-encapsulation-induced band-structure change in single-walled carbon nanotubes: Photoluminescence and Raman spectra. <i>Physical Review B</i> , 2006 , 74,	3.3	28
75	Cryogenic two-photon laser photolithography with SU-8. <i>Applied Physics Letters</i> , 2006 , 88, 143123	3.4	6
74	Registration of single quantum dots using cryogenic laser photolithography. <i>Applied Physics Letters</i> , 2006 , 88, 193106	3.4	29
73	Dependence of carrier localization in InGaIn/GaN multiple-quantum wells on well thickness. <i>Applied Physics Letters</i> , 2006 , 89, 253120	3.4	35
72	PL, magneto-PL and PLE of the trimetallic nitride template fullerene Er ₃ N@C ₈₀ . <i>Physica Status Solidi (B): Basic Research</i> , 2006 , 243, 3037-3041	1.3	23
71	The effects of nitrogen and boron doping on the optical emission and diameters of single-walled carbon nanotubes. <i>Carbon</i> , 2006 , 44, 2752-2757	10.4	51
70	Direct optical excitation of a fullerene-incarcerated metal ion. <i>Chemical Physics Letters</i> , 2006 , 428, 303-306	3.0	30
69	Two-photon absorption from single InGaIn/GaN quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2006 , 32, 119-122	3	38
68	Quantum-confined Stark effect in a single InGaIn quantum dot under a lateral electric field. <i>Applied Physics Letters</i> , 2005 , 86, 213103	3.4	45
67	Time-resolved and time-integrated photoluminescence studies of coupled asymmetric GaIn quantum discs embedded in AlGaIn barriers. <i>Applied Physics Letters</i> , 2005 , 86, 083109	3.4	23
66	Two-dimensional exciton behavior in GaIn nanocolumns grown by molecular-beam epitaxy. <i>Applied Physics Letters</i> , 2005 , 86, 123102	3.4	11
65	Two-photon absorption in single site-controlled InGaIn/GaN quantum dots. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2005 , 2, 3843-3846		3
64	Luminescence properties of isolated InGaIn/GaN quantum dots. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2005 , 202, 372-376	1.6	22
63	Biexciton and exciton dynamics in single InGaIn quantum dots. <i>Nanotechnology</i> , 2005 , 16, 1477-1481	3.4	22
62	Hot Carrier Dynamics and Carrier-Phonon Interaction in GaIn. <i>Journal of the Korean Physical Society</i> , 2005 , 47, 356	0.6	3
61	Quantum dot emission from site-controlled InGaIn/GaN micropillar arrays. <i>Applied Physics Letters</i> , 2004 , 85, 4281	3.4	48
60	Temporal variation in photoluminescence from single InGaIn quantum dots. <i>Applied Physics Letters</i> , 2004 , 84, 4110-4112	3.4	52

59	InGaN quantum dots grown by MOVPE via a droplet epitaxy route. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004 , 21, 546-550	3	21
58	Time-integrated and time-resolved photoluminescence studies of InGaN quantum dots. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004 , 1, 568-572		1
57	Time-resolved gain saturation dynamics in InGaN multi-quantum well structures. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004 , 1, 2508-2511		
56	Dynamics of single InGaN quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004 , 21, 285-289	3	23
55	Photoluminescence studies of exciton recombination and dephasing in single InGaN quantum dots. <i>IEEE Nanotechnology Magazine</i> , 2004 , 3, 343-347	2.6	3
54	Time-resolved gain dynamics in InGaN MQWs using a Kerr gate. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003 , 17, 255-257	3	1
53	Growth of InGaN quantum dots on GaN by MOVPE, employing a growth temperature nitrogen anneal. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2003 , 2515-2519		7
52	Time-resolved dynamics in single InGaN quantum dots. <i>Applied Physics Letters</i> , 2003 , 83, 2674-2676	3.4	48
51	Nanoscale solid-state quantum computing. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2003 , 361, 1473-85	3	46
50	InGaN quantum dots grown by metalorganic vapor phase epitaxy employing a post-growth nitrogen anneal. <i>Applied Physics Letters</i> , 2003 , 83, 755-757	3.4	126
49	Saturation of gain in In _{0.02} Ga _{0.98} N/In _{0.16} Ga _{0.84} N MQW plasmas. <i>Physica B: Condensed Matter</i> , 2002 , 314, 47-51	2.8	
48	Hot phonons and non-thermal carrier states in GaN. <i>Physica B: Condensed Matter</i> , 2002 , 314, 30-34	2.8	2
47	Dynamics and gain in highly-excited InGaN MQWs. <i>Current Applied Physics</i> , 2002 , 2, 321-326	2.6	1
46	Coherent exciton-biexciton dynamics in GaN. <i>Physical Review B</i> , 2002 , 65,	3.3	20
45	Comparison of Exciton-Biexciton with Bound Exciton-Biexciton Dynamics in GaN: Quantum Beats and Temperature Dependence of the Acoustic-Phonon Interaction. <i>Physica Status Solidi (B): Basic Research</i> , 2001 , 228, 475-479	1.3	3
44	Analysis of gain saturation in In _{0.02} Ga _{0.98} N/In _{0.16} Ga _{0.84} N multiple quantum wells. <i>Applied Physics Letters</i> , 2001 , 79, 3434-3436	3.4	23
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39	Femtosecond Exciton Dynamics and the Mott Transition in GaN under Resonant Excitation. <i>Physica Status Solidi (B): Basic Research</i> , 1999 , 216, 57-62	1.3	5
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34	Dynamics of resonantly excited excitons in GaN. <i>Physical Review B</i> , 1998 , 58, R15973-R15976	3.3	24
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28	Direct Observation in the Temporal Domain of Relaxation Oscillations in a Semiconductor Laser. <i>Physica Status Solidi (B): Basic Research</i> , 1997 , 204, 574-576	1.3	
27	Intersubband scattering rates in GaAs quantum wells under selective and resonant excitation, measured by femtosecond luminescence. <i>Superlattices and Microstructures</i> , 1997 , 21, 77-83	2.8	5
26	Time-resolved exciton dynamics and stimulated emission from multiple quantum well structures. <i>Solid-State Electronics</i> , 1996 , 40, 741-743	1.7	
25	Time-resolved study of stimulated emission in superlattices. <i>Journal of Crystal Growth</i> , 1996 , 159, 657-660		3
24	Exciton recombination dynamics in quantum wells. <i>Journal of Crystal Growth</i> , 1996 , 159, 822-825	1.6	11

23	Ultrafast electric field induced nonlinear response in superlattices. <i>Journal of Crystal Growth</i> , 1996 , 159, 835-838	1.6	1
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21	Exciton dynamics in ZnSe/ZnS x Se _{1-x} superlattices. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1995 , 17, 1429-1433		1
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16	Time-resolved photoluminescence studies of stimulated emission and exciton dynamics in ZnSe/ZnS _{0.18} Se _{0.82} superlattices. <i>Solid-State Electronics</i> , 1994 , 37, 1133-1136	1.7	1
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3	Active mode stabilization of a synchronously pumped mode locked dye laser. <i>Optics Communications</i> , 1982 , 41, 271-276	2	18
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