

# Robert A Taylor

## List of Publications by Citations

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202  
papers

3,544  
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30  
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50  
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227  
ext. papers

3,900  
ext. citations

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L-index

#	Paper	IF	Citations
202	Time-Resolved Photoluminescence of Two-Dimensional Hot Carriers in GaAs-AlGaAs Heterostructures. <i>Physical Review Letters</i> , <b>1984</b> , 53, 1841-1844	7.4	243
201	InGaN quantum dots grown by metalorganic vapor phase epitaxy employing a post-growth nitrogen anneal. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 755-757	3.4	126
200	Room-temperature exciton-polaritons with two-dimensional WS <sub>2</sub> . <i>Scientific Reports</i> , <b>2016</b> , 6, 33134	4.9	120
199	Resonant Femtosecond Emission from Quantum Well Excitons: The Role of Rayleigh Scattering and Luminescence. <i>Physical Review Letters</i> , <b>1997</b> , 78, 2228-2231	7.4	116
198	Fabrication of Ultrathin Single-Crystal Diamond Membranes. <i>Advanced Materials</i> , <b>2008</b> , 20, 4793-4798	24	112
197	High Up-Conversion Efficiency of YVO <sub>4</sub> :Yb,Er Nanoparticles in Water down to the Single-Particle Level. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 22449-22454	3.8	99
196	Creating diamond color centers for quantum optical applications. <i>Diamond and Related Materials</i> , <b>2007</b> , 16, 1887-1895	3.5	99
195	Color Depth Modulation and Resolution in Phase-Change Material Nanodisplays. <i>Advanced Materials</i> , <b>2016</b> , 28, 4720-6	24	85
194	Strong coupling between chlorosomes of photosynthetic bacteria and a confined optical cavity mode. <i>Nature Communications</i> , <b>2014</b> , 5, 5561	17.4	80
193	Photocatalytic water splitting by N-TiO <sub>2</sub> on MgO (111) with exceptional quantum efficiencies at elevated temperatures. <i>Nature Communications</i> , <b>2019</b> , 10, 4421	17.4	76
192	Cavity-enhanced blue single-photon emission from a single InGaN/GaN quantum dot. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 052101	3.4	54
191	Time-resolved photoluminescence from hot two-dimensional carriers in GaAs/GaAlAs MQWS. <i>Surface Science</i> , <b>1986</b> , 170, 511-519	1.8	54
190	Control of the oscillator strength of the exciton in a single InGaN-GaN quantum dot. <i>Physical Review Letters</i> , <b>2007</b> , 99, 197403	7.4	52
189	Temporal variation in photoluminescence from single InGaN quantum dots. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 4110-4112	3.4	52
188	The effects of nitrogen and boron doping on the optical emission and diameters of single-walled carbon nanotubes. <i>Carbon</i> , <b>2006</b> , 44, 2752-2757	10.4	51
187	Efficient Intersubband Scattering via Carrier-Carrier Interaction in Quantum Wells. <i>Physical Review Letters</i> , <b>1998</b> , 80, 1940-1943	7.4	48
186	Quantum dot emission from site-controlled InGaN/GaN micropillar arrays. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 4281	3.4	48

185	Time-resolved dynamics in single InGaN quantum dots. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 2674-2676	3.4	48
184	Nanoscale solid-state quantum computing. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2003</b> , 361, 1473-85	3	46
183	Quantum-confined Stark effect in a single InGaN quantum dot under a lateral electric field. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 213103	3.4	45
182	Electrically tunable organic-inorganic hybrid polaritons with monolayer WS. <i>Nature Communications</i> , <b>2017</b> , 8, 14097	17.4	44
181	Two-photon absorption from single InGaN/GaN quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2006</b> , 32, 119-122	3	38
180	A Nanophotonic Structure Containing Living Photosynthetic Bacteria. <i>Small</i> , <b>2017</b> , 13, 1701777	11	36
179	Femtosecond electron and hole thermalisation in AlGaAs. <i>Solid-State Electronics</i> , <b>1989</b> , 32, 1173-1177	1.7	36
178	Plasmonic Gas Sensing Using Nanocube Patch Antennas. <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 634-642	8.1	36
177	Strong Exciton-Photon Coupling with Colloidal Nanoplatelets in an Open Microcavity. <i>Nano Letters</i> , <b>2016</b> , 16, 7137-7141	11.5	35
176	Strongly coupled single quantum dot in a photonic crystal waveguide cavity. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 111101	3.4	35
175	Dependence of carrier localization in InGaN/GaN multiple-quantum wells on well thickness. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 253120	3.4	35
174	Picosecond studies of luminescence in polythiophene and polydiacetylene. <i>Journal of Physics C: Solid State Physics</i> , <b>1985</b> , 18, L843-L847		35
173	Non-polar (11-20) InGaN quantum dots with short exciton lifetimes grown by metal-organic vapor phase epitaxy. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 251905	3.4	32
172	Observation of a Biexciton Wigner Molecule by Fractional Optical Aharonov-Bohm Oscillations in a Single Quantum Ring. <i>Nano Letters</i> , <b>2016</b> , 16, 27-33	11.5	30
171	Direct optical excitation of a fullerene-incarcerated metal ion. <i>Chemical Physics Letters</i> , <b>2006</b> , 428, 303-306		30
170	Room-temperature InP/InGaAs nano-ridge lasers grown on Si and emitting at telecom bands. <i>Optica</i> , <b>2018</b> , 5, 918	8.6	29
169	Registration of single quantum dots using cryogenic laser photolithography. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 193106	3.4	29
168	Crystal-encapsulation-induced band-structure change in single-walled carbon nanotubes: Photoluminescence and Raman spectra. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	28

167	Time-resolved exciton photoluminescence in GaSe and GaTe. <i>Journal of Physics C: Solid State Physics</i> , <b>1987</b> , 20, 6175-6187		27
166	Improving the signal-to-noise ratio of femtosecond luminescence upconversion by multichannel detection. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>1998</b> , 15, 1410	1.7	26
165	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> , <b>2008</b> , 147, 108-113	3.1	25
164	Asymmetry of localised states in a single quantum ring: Polarization dependence of excitons and biexcitons. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 033112	3.4	24
163	Dynamics of resonantly excited excitons in GaN. <i>Physical Review B</i> , <b>1998</b> , 58, R15973-R15976	3.3	24
162	Optical gain in GaN epilayers. <i>Applied Physics Letters</i> , <b>1998</b> , 73, 199-201	3.4	24
161	Time-resolved and time-integrated photoluminescence studies of coupled asymmetric GaN quantum discs embedded in AlGaN barriers. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 083109	3.4	23
160	PL, magneto-PL and PLE of the trimetallic nitride template fullerene Er <sub>3</sub> N@C <sub>80</sub> . <i>Physica Status Solidi (B): Basic Research</i> , <b>2006</b> , 243, 3037-3041	1.3	23
159	Dynamics of single InGaN quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2004</b> , 21, 285-289	3	23
158	Analysis of gain saturation in In <sub>0.02</sub> Ga <sub>0.98</sub> N/In <sub>0.16</sub> Ga <sub>0.84</sub> N multiple quantum wells. <i>Applied Physics Letters</i> , <b>2001</b> , 79, 3434-3436	3.4	23
157	Ultrafast Dynamics of Photoexcited States in C 60. <i>Europhysics Letters</i> , <b>1994</b> , 25, 403-408	1.6	23
156	Energy relaxation in p- and n-GaAs quantum wells: Confinement effects. <i>Solid-State Electronics</i> , <b>1988</b> , 31, 459-462	1.7	23
155	Ultrafast, Polarized, Single-Photon Emission from m-Plane InGaN Quantum Dots on GaN Nanowires. <i>Nano Letters</i> , <b>2016</b> , 16, 7779-7785	11.5	23
154	Polarisation-controlled single photon emission at high temperatures from InGaN quantum dots. <i>Nanoscale</i> , <b>2017</b> , 9, 9421-9427	7.7	22
153	Magneto-optical studies of single-wall carbon nanotubes. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	22
152	Luminescence properties of isolated InGaN/GaN quantum dots. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2005</b> , 202, 372-376	1.6	22
151	Biexciton and exciton dynamics in single InGaN quantum dots. <i>Nanotechnology</i> , <b>2005</b> , 16, 1477-1481	3.4	22
150	Nitride-based quantum dots for single photon source applications. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2009</b> , 206, 2510-2523	1.6	21

149	InGaN quantum dots grown by MOVPE via a droplet epitaxy route. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2004</b> , 21, 546-550	3	21
148	Quasi-one-dimensional density of states in a single quantum ring. <i>Scientific Reports</i> , <b>2017</b> , 7, 40026	4.9	20
147	Coherent exciton-Biexciton dynamics in GaN. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	20
146	Mapping cavity modes of ZnO nanobelts. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 231103	3.4	19
145	Picosecond studies of luminescence of cis polyacetylene. <i>Journal of Physics C: Solid State Physics</i> , <b>1983</b> , 16, L729-L732		19
144	Photoluminescence properties of a single GaN nanorod with GaN/AlGaIn multilayer quantum disks. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 101901	3.4	18
143	Active mode stabilization of a synchronously pumped mode locked dye laser. <i>Optics Communications</i> , <b>1982</b> , 41, 271-276	2	18
142	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> , <b>2014</b> , 11, 702-705		17
141	Surface-Effect-Induced Optical Bandgap Shrinkage in GaN Nanotubes. <i>Nano Letters</i> , <b>2015</b> , 15, 4472-6	11.5	17
140	Exciton Dipole-Dipole Interaction in a Single Coupled-Quantum-Dot Structure via Polarized Excitation. <i>Nano Letters</i> , <b>2016</b> , 16, 7755-7760	11.5	16
139	Growth of non-polar (11-20) InGaIn quantum dots by metal organic vapour phase epitaxy using a two temperature method. <i>APL Materials</i> , <b>2014</b> , 2, 126101	5.7	16
138	Observations of Rabi oscillations in a non-polar InGaIn quantum dot. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 263108	3.4	16
137	Abnormal photoluminescence properties of GaN nanorods grown on Si(111) by molecular-beam epitaxy. <i>Nanotechnology</i> , <b>2008</b> , 19, 475402	3.4	16
136	2D photocatalysts with tuneable supports for enhanced photocatalytic water splitting. <i>Materials Today</i> , <b>2020</b> , 41, 34-43	21.8	16
135	Hyperspectral imaging of exciton photoluminescence in individual carbon nanotubes controlled by high magnetic fields. <i>Nano Letters</i> , <b>2014</b> , 14, 5194-200	11.5	15
134	Theoretical and experimental analysis of radiative recombination lifetimes in nonpolar InGaIn/GaN quantum dots. <i>Physica Status Solidi (B): Basic Research</i> , <b>2017</b> , 254, 1600675	1.3	14
133	Structure-Activity Correlations for Brønsted Acid, Lewis Acid, and Photocatalyzed Reactions of Exfoliated Crystalline Niobium Oxides. <i>ChemCatChem</i> , <b>2017</b> , 9, 144-154	5.2	14
132	Optical studies of the surface effects from the luminescence of single GaN/InGaIn nanorod light emitting diodes fabricated on a wafer scale. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 111906	3.4	14

- 131 Dynamic contributions to the optical Stark effect in semiconductors. *Physical Review B*, **1993**, 48, 4695-4706 14
- 130 Charge separated states and singlet oxygen generation of mono and bis adducts of C60 and C70. *Chemical Physics*, **2016**, 465-466, 28-39 2.3 14
- 129 Interplay between many body effects and Coulomb screening in the optical bandgap of atomically thin MoS. *Nanoscale*, **2017**, 9, 10647-10652 7.7 13
- 128 Origins of Spectral Diffusion in the Micro-Photoluminescence of Single InGaN Quantum Dots. *Japanese Journal of Applied Physics*, **2013**, 52, 08JE01 1.4 13
- 127 Optical properties of Er<sup>3+</sup> in fullerenes and in PbF<sub>2</sub> single-crystals. *Optical Materials*, **2009**, 32, 251-256 3.3 13
- 126 Acuminated fluorescence of Er<sup>3+</sup> centres in endohedral fullerenes through the incarceration of a carbide cluster. *Chemical Physics Letters*, **2009**, 476, 41-45 2.5 13
- 125 Enhancement of free-carrier screening due to tunneling in coupled asymmetric GaN/AlGaIn quantum discs. *Applied Physics Letters*, **2006**, 89, 023103 3.4 13
- 124 Enhanced and Polarization-Dependent Coupling for Photoaligned Liquid Crystalline Conjugated Polymer Microcavities. *ACS Photonics*, **2020**, 7, 746-758 6.3 12
- 123 Growth and optical characterisation of multilayers of InGaN quantum dots. *Journal of Crystal Growth*, **2012**, 338, 262-266 1.6 12
- 122 Excited exciton and biexciton localised states in a single quantum ring. *Applied Physics Letters*, **2013**, 103, 173106 3.4 12
- 121 Experimental and theoretical study of the quantum-confined Stark effect in a single InGaN/GaN quantum dot under applied vertical electric field. *Superlattices and Microstructures*, **2008**, 43, 431-435 2.8 12
- 120 The recombination mechanism of Mg-doped GaN nanorods grown by plasma-assisted molecular-beam epitaxy. *Nanotechnology*, **2006**, 17, 913-916 3.4 12
- 119 Configuration-selective spectroscopic studies of Er<sup>3+</sup> centers in ErSc<sub>2</sub>N@C<sub>80</sub> and Er<sub>2</sub>ScN@C<sub>80</sub> fullerenes. *Journal of Chemical Physics*, **2007**, 127, 194504 3.9 12
- 118 Non-polar InGaN quantum dot emission with crystal-axis oriented linear polarization. *Applied Physics Letters*, **2015**, 106, 171108 3.4 11
- 117 Direct generation of linearly polarized single photons with a deterministic axis in quantum dots. *Nanophotonics*, **2017**, 6, 1175-1183 6.3 11
- 116 Electrically driven single InGaN/GaN quantum dot emission. *Applied Physics Letters*, **2008**, 93, 233103 3.4 11
- 115 Two-dimensional exciton behavior in GaN nanocolumns grown by molecular-beam epitaxy. *Applied Physics Letters*, **2005**, 86, 123102 3.4 11
- 114 Exciton recombination dynamics in quantum wells. *Journal of Crystal Growth*, **1996**, 159, 822-825 1.6 11

113	Fe on molecular-layer MoS <sub>2</sub> as inorganic Fe-S <sub>2</sub> -Mo motifs for light-driven nitrogen fixation to ammonia at elevated temperatures. <i>Chem Catalysis</i> , <b>2021</b> , 1, 162-182		11
112	Deterministic optical polarisation in nitride quantum dots at thermoelectrically cooled temperatures. <i>Scientific Reports</i> , <b>2017</b> , 7, 12067	4.9	10
111	Diffusion-driven continuous-wave-pumped organic dye lasers. <i>Laser and Photonics Reviews</i> , <b>2015</b> , 9, 538-544	5.4	10
110	GaN nanorods grown on Si (111) substrates and exciton localization. <i>Nanoscale Research Letters</i> , <b>2011</b> , 6, 81	5	10
109	Quantum confined Stark effect of InGaN/GaN multi-quantum disks grown on top of GaN nanorods. <i>Nanotechnology</i> , <b>2010</b> , 21, 115401	3.4	10
108	Quantum confined Stark effect and corresponding lifetime reduction in a single In <sub>x</sub> Ga <sub>1-x</sub> N quantum disk. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 181910	3.4	10
107	Relevance of Dephasing Processes for the Ultrafast Rise of Emission from Resonantly Created Excitons in Quantum Wells. <i>Physica Status Solidi (B): Basic Research</i> , <b>1997</b> , 204, 35-38	1.3	10
106	Gain Spectroscopy of Solution-Based Semiconductor Nanocrystals in Tunable Optical Microcavities. <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 285-290	8.1	10
105	Two-Dimensional Excitonic Photoluminescence in Graphene on a Cu Surface. <i>ACS Nano</i> , <b>2017</b> , 11, 3207-3217	10.7	9
104	Confocal microphotoluminescence mapping of coupled and detuned states in photonic molecules. <i>Optics Express</i> , <b>2013</b> , 21, 16934-45	3.3	9
103	Non-equilibrium carrier dynamics and many body effects in highly excited GaN. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2011</b> , 208, 1159-1165	1.6	9
102	Carrier dynamics of In <sub>x</sub> Ga <sub>1-x</sub> N quantum disks embedded in GaN nanocolumns. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 063515	2.5	9
101	Femtosecond optical absorption measurements of electron-phonon scattering in GaAs quantum wells. <i>Applied Physics Letters</i> , <b>1995</b> , 66, 3188-3190	3.4	9
100	Two-photon autocorrelation measurements on a single InGaN/GaN quantum dot. <i>Nanotechnology</i> , <b>2009</b> , 20, 245702	3.4	8
99	Progress in the optical studies of single InGaN/GaN quantum dots. <i>Philosophical Magazine</i> , <b>2007</b> , 87, 2077-2093	1.6	8
98	Time-resolved relaxation oscillations in gain-clamped semiconductor optical amplifiers by pump and probe measurements. <i>Quantum and Semiclassical Optics: Journal of the European Optical Society Part B</i> , <b>1997</b> , 9, 675-679		7
97	Materials challenges for devices based on single, self-assembled InGaN quantum dots. <i>Journal of Physics: Conference Series</i> , <b>2007</b> , 61, 889-893	0.3	7
96	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> , <b>2003</b> , 2515-2519		7

95	Micro- and Time-resolved Photoluminescence in GaN Nanorods with Different Diameters. <i>Journal of the Korean Physical Society</i> , <b>2010</b> , 57, 756-759	0.6	7
94	Two-Photon Laser-Written Photoalignment Layers for Patterning Liquid Crystalline Conjugated Polymer Orientation. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2007493	15.6	7
93	Light Controlled Optical Aharonov-Bohm Oscillations in a Single Quantum Ring. <i>Nano Letters</i> , <b>2018</b> , 18, 6188-6194	11.5	7
92	Highly polarized electrically driven single-photon emission from a non-polar InGaN quantum dot. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 251108	3.4	6
91	Optical fabrication and characterisation of SU-8 disk photonic waveguide heterostructure cavities. <i>Optics Express</i> , <b>2017</b> , 25, 24615-24622	3.3	6
90	Cavity modes of tapered ZnO nanowires. <i>New Journal of Physics</i> , <b>2010</b> , 12, 083052	2.9	6
89	Optical studies on a single GaN nanocolumn containing a single In <sub>x</sub> Ga <sub>1-x</sub> N quantum disk. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 251908	3.4	6
88	Photoluminescence Studies of Mg-Doped and Si-Doped Gallium Nitride Epilayers. <i>Physica Status Solidi (B): Basic Research</i> , <b>1998</b> , 210, 465-470	1.3	6
87	Cryogenic two-photon laser photolithography with SU-8. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 143123	3.4	6
86	Investigation of inter-valley scattering and hot phonon dynamics in GaAs quantum wells using femtosecond luminescence intensity correlation. <i>Superlattices and Microstructures</i> , <b>1989</b> , 6, 199-202	2.8	6
85	Long Stokes shifts and vibronic couplings in perfluorinated polyanilines. <i>Chemical Communications</i> , <b>2017</b> , 53, 2602-2605	5.8	5
84	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> , <b>2017</b> , 254, 1600724	1.3	5
83	Enhanced photoluminescence quantum yield of MAPbBr <sub>3</sub> nanocrystals by passivation using graphene. <i>Nano Research</i> , <b>2020</b> , 13, 932-938	10	5
82	Optical shaping of the polarization anisotropy in a laterally coupled quantum dot dimer. <i>Light: Science and Applications</i> , <b>2020</b> , 9, 100	16.7	5
81	Carrier trapping and confinement in Ge nanocrystals surrounded by Ge <sub>3</sub> N <sub>4</sub> . <i>Scientific Reports</i> , <b>2016</b> , 6, 25449	4.9	5
80	III $\bar{V}$ compounds as single photon emitters. <i>Journal of Semiconductors</i> , <b>2019</b> , 40, 071906	2.3	5
79	Growth of InGaN quantum dots with AlGaIn barrier layers via modified droplet epitaxy. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2013</b> , 178, 1390-1394	3.1	5
78	Temperature dependence of the radiative recombination time in ZnO nanorods under an external magnetic field of 6 T. <i>Optics Express</i> , <b>2014</b> , 22, 17959-67	3.3	5



77	Efficient Intersubband Scattering via Carrier-Carrier Interaction. <i>Physica Status Solidi (B): Basic Research</i> , <b>1997</b> , 204, 159-161	1.3	5
76	Intersubband scattering rates in GaAs quantum wells under selective and resonant excitation, measured by femtosecond luminescence. <i>Superlattices and Microstructures</i> , <b>1997</b> , 21, 77-83	2.8	5
75	Femtosecond Exciton Dynamics and the Mott Transition in GaN under Resonant Excitation. <i>Physica Status Solidi (B): Basic Research</i> , <b>1999</b> , 216, 57-62	1.3	5
74	Exciton dynamics and recombination in ZnSe/ZnSe <sub>0.82</sub> S <sub>0.18</sub> superlattices. <i>Semiconductor Science and Technology</i> , <b>1994</b> , 9, 762-764	1.8	5
73	Imaging Nonradiative Point Defects Buried in Quantum Wells Using Cathodoluminescence. <i>Nano Letters</i> , <b>2021</b> , 21, 5217-5224	11.5	5
72	Quantum dot-like excitonic behavior in individual single walled-carbon nanotubes. <i>Scientific Reports</i> , <b>2016</b> , 6, 37167	4.9	4
71	Non-polar (11 $\bar{1}$ 0) InGa <sub>1-x</sub> N 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> , <b>2014</b> , 11, 698-701		4
70	Temperature-dependent fine structure splitting in InGa <sub>1-x</sub> N quantum dots. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 053101	3.4	4
69	Towards registered single quantum dot photonic devices. <i>Nanotechnology</i> , <b>2008</b> , 19, 455307	3.4	4
68	Hot carrier relaxation in GaN:LO phonon scattering and excitonic effects. <i>Physica B: Condensed Matter</i> , <b>1999</b> , 272, 402-405	2.8	4
67	Stimulated Emission and Excitonic Bleaching in GaN Epilayers under High-Density Excitation. <i>Physica Status Solidi (B): Basic Research</i> , <b>1999</b> , 216, 465-470	1.3	4
66	Local magnetic spin mismatch promoting photocatalytic overall water splitting with exceptional solar-to-hydrogen efficiency. <i>Energy and Environmental Science</i> ,	35.4	4
65	Linearly polarized photoluminescence of InGa <sub>1-x</sub> N quantum disks embedded in GaN nanorods. <i>Scientific Reports</i> , <b>2018</b> , 8, 8124	4.9	4
64	Quantification of Temperature-Dependent Charge Separation and Recombination Dynamics in Non-Fullerene Organic Photovoltaics. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2107157	15.6	4
63	Optical polarization in mono and bilayer MoS <sub>2</sub> . <i>Current Applied Physics</i> , <b>2017</b> , 17, 1153-1157	2.6	3
62	Carrier confinement effects of In Ga <sub>1-x</sub> N/GaN multi quantum disks with GaN surface barriers grown in GaN nanorods. <i>Optical Materials</i> , <b>2018</b> , 78, 365-369	3.3	3
61	Optical studies of GaN nanocolumns containing InGa <sub>1-x</sub> N quantum disks and the effect of strain relaxation on the carrier distribution. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2012</b> , 9, 712-714		3
60	Cavity Enhancement of Single Quantum Dot Emission in the Blue. <i>Nanoscale Research Letters</i> , <b>2009</b> , 5, 608-612	5	3

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58	Amplified all-optical polarization phase modulator assisted by a local surface plasmon in Au-hybrid CdSe quantum dots. <i>Optics Express</i> , <b>2012</b> , 20, 19735-43	3.3	3
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