

# Srinivasan Anand

## 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.

140  
papers

2,079  
citations

24  
h-index

39  
g-index

170  
ext. papers

2,362  
ext. citations

3.7  
avg, IF

4.48  
L-index

#	Paper	IF	Citations
140	Enhanced Absorption in InP Nanodisk Arrays on Ultra-Thin-Film Silicon for Solar Cell Applications. <i>Photonics</i> , <b>2022</b> , 9, 157	2.2	0
139	Design and Modelling of Metal-Oxide Nanodisk Arrays for Structural Colors and UV-Blocking Functions in Solar Cell Glass Covers. <i>Photonics</i> , <b>2022</b> , 9, 273	2.2	0
138	Polarization dependent structural colors from tilted metallo-dielectric nanopillars. <i>Materials Research Express</i> , <b>2021</b> , 8, 046202	1.7	
137	The Surfaces of the L. (Carob) Leaflet: Insights from Physics and Chemistry. <i>Langmuir</i> , <b>2021</b> , 37, 2011-2028	4	2
136	GaN/P nanowire arrays for color conversion applications. <i>Scientific Reports</i> , <b>2020</b> , 10, 22368	4.9	0
135	Ion bombardment induced formation of self-organized wafer-scale GaInP nanopillar assemblies. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , <b>2020</b> , 38, 012801	1.3	1
134	Embossed Mie resonator arrays composed of compacted TiO nanoparticles for broadband anti-reflection in solar cells. <i>Scientific Reports</i> , <b>2020</b> , 10, 12527	4.9	7
133	Color generation from self-organized metallo-dielectric nanopillar arrays. <i>Nanophotonics</i> , <b>2019</b> , 8, 1771-1781	10.81	6
132	Optical properties and fabrication of dielectric metasurfaces based on amorphous silicon nanodisk arrays. <i>Optics Express</i> , <b>2019</b> , 27, 5353-5367	3.3	11
131	Gallium indium phosphide microstructures with suppressed photoluminescence for applications in nonlinear optics. <i>Optics Letters</i> , <b>2019</b> , 44, 5117-5120	3	1
130	Top-Down Fabrication of High Quality Gallium Indium Phosphide Nanopillar/disk Array Structures <b>2019</b> ,		1
129	Transparent TiO <sub>2</sub> and ZnO Thin Films on Glass for UV Protection of PV Modules. <i>Frontiers in Materials</i> , <b>2019</b> , 6,	4	15
128	Colloidal lithography nanostructured Pd/PdO core-shell sensor for ppb level HS detection. <i>Nanotechnology</i> , <b>2018</b> , 29, 255502	3.4	4
127	Strong light extraction enhancement using TiO <sub>2</sub> nanoparticles-based microcone arrays embossed on III-Nitride light emitting diodes. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 231101	3.4	4
126	Scanning capacitance microscopy as an in-line evaluation tool for dry etching of semiconductors: a case study with InP <b>2018</b> , 523-526		
125	Characterization of GaAs/AlGaAs buried-heterostructure lasers by scanning capacitance microscopy <b>2018</b> , 535-538		
124	Room-temperature polarized spin-photon interface based on a semiconductor nanodisk-in-nanopillar structure driven by few defects. <i>Nature Communications</i> , <b>2018</b> , 9, 3575	17.4	12

123	Thermal conductivity of epitaxially grown InP: experiment and simulation. <i>CrystEngComm</i> , <b>2017</b> , 19, 1879-1887	3.3	7
122	Honeycomb type ZnO nanostructures for sensitive and selective CO detection. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 252, 764-772	8.5	23
121	Modal phase matching in nanostructured zinc-blende semiconductors for second-order nonlinear optical interactions. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	5
120	Investigations of Sol-Gel ZnO Films Nanostructured by Reactive Ion Beam Etching for Broadband Anti-Reflection. <i>ECS Journal of Solid State Science and Technology</i> , <b>2017</b> , 6, P653-P659	2	4
119	Rapid thermal annealing treated spin-on doped antireflective radial junction Si nanopillar solar cell. <i>Optics Express</i> , <b>2017</b> , 25, A200-A207	3.3	3
118	Refractive index sensing in the visible/NIR spectrum using silicon nanopillar arrays. <i>Optics Express</i> , <b>2017</b> , 25, 12171-12181	3.3	9
117	ZnO nanowire-enabled light funneling effect for antireflection and light convergence applications. <i>Optics Letters</i> , <b>2017</b> , 42, 45-48	3	3
116	Focused ion beam milling of gallium phosphide nanostructures for photonic applications. <i>Optical Materials Express</i> , <b>2016</b> , 6, 587	2.6	4
115	Experimental quantification of surface optical nonlinearity in GaP nanopillar waveguides. <i>Optics Express</i> , <b>2015</b> , 23, 756-64	3.3	14
114	Surface second harmonic generation from silicon pillar arrays with strong geometrical dependence. <i>Optics Letters</i> , <b>2015</b> , 40, 2072-5	3	6
113	Wafer-scale self-organized InP nanopillars with controlled orientation for photovoltaic devices. <i>Nanotechnology</i> , <b>2015</b> , 26, 415304	3.4	10
112	High quality InP nanopyramidal frusta on Si. <i>CrystEngComm</i> , <b>2014</b> , 16, 4624-4632	3.3	4
111	Modal engineering of second-harmonic generation in single GaP nanopillars. <i>Nano Letters</i> , <b>2014</b> , 14, 5376-81	6.15	46
110	Fabrication of Periodic Nanostructure Assemblies by Interfacial Energy Driven Colloidal Lithography. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 4577-4583	15.6	19
109	Nanostructuring of GaAs with tailored topologies using colloidal lithography and dry etching. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , <b>2014</b> , 32, 021801	1.3	13
108	Silicon nanopillar arrays with SiO <sub>2</sub> overlayer for biosensing application. <i>Optical Materials Express</i> , <b>2014</b> , 4, 1345	2.6	23
107	Generation of substrate-free III-V nanodisks from user-defined multilayer nanopillar arrays for integration on Si. <i>Nanotechnology</i> , <b>2013</b> , 24, 225301	3.4	7
106	Aluminum-Induced photoluminescence red shifts in core-shell GaAs/Al(x)Ga(1-x)As nanowires. <i>Nano Letters</i> , <b>2013</b> , 13, 3581-8	11.5	23

105	Mini-stop bands in single heterojunction photonic crystal waveguides. <i>AIP Advances</i> , <b>2013</b> , 3, 032136	1.5	6
104	Silicon micro-structure and ZnO nanowire hierarchical assortments for light management. <i>Optical Materials Express</i> , <b>2013</b> , 3, 1039	2.6	26
103	Carrier dynamics in InP nanopillar arrays fabricated by low-damage etching. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 212106	3.4	4
102	Top-Down Fabrication of High Quality III $\bar{V}$ Nanostructures by Monolayer Controlled Sculpting and Simultaneous Passivation. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 1620-1627	15.6	14
101	Surface second-harmonic generation from vertical GaP nanopillars. <i>Nano Letters</i> , <b>2012</b> , 12, 820-6	11.5	65
100	Effect of hole shapes on the reliability of deeply-etched InP-based photonic crystal devices. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2012</b> , 9, 1670-1673		
99	GaAs nanopillar arrays with suppressed broadband reflectance and high optical quality for photovoltaic applications. <i>Optical Materials Express</i> , <b>2012</b> , 2, 1671	2.6	29
98	Junction-type photonic crystal waveguides for notch- and pass-band filtering. <i>Optics Express</i> , <b>2011</b> , 19, 21074-80	3.3	12
97	High optical quality InP-based nanopillars fabricated by a top-down approach. <i>Nano Letters</i> , <b>2011</b> , 11, 4805-11	11.5	28
96	Ultrasharp ministop-band edge for subnanometer tuning resolution. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 081112	3.4	10
95	Novel postetch process to realize high quality photonic crystals in InP. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , <b>2011</b> , 29, 031202	1.3	7
94	Spatially resolved characterization of InGaAs/GaAs quantum dot structures by scanning spreading resistance microscopy. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 041106	3.4	4
93	Fabrication of Submicrometer InP Pillars by Colloidal Lithography and Dry Etching. <i>Journal of the Electrochemical Society</i> , <b>2010</b> , 157, H896	3.9	8
92	Accumulated sidewall damage in dry etched photonic crystals. <i>Journal of Vacuum Science &amp; Technology B</i> , <b>2009</b> , 27, 1969		4
91	Design of a Polarization Insensitive Triplexer Using Directional Couplers Based on Submicron Silicon Rib Waveguides. <i>Journal of Lightwave Technology</i> , <b>2009</b> , 27, 1443-1447	4	28
90	Bloch mode excitation in two-dimensional photonic crystals imaged by Fourier optics. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	5
89	Ultracompact directional couplers realized in InP by utilizing feature size dependent etching. <i>Optics Letters</i> , <b>2008</b> , 33, 1927-9	3	12
88	Impact of dry-etching induced damage in InP-based photonic crystals <b>2008</b> ,		1

87	A Polarization-Insensitive 1310/1550-nm Demultiplexer Based on Sandwiched Multimode Interference Waveguides. <i>IEEE Photonics Technology Letters</i> , <b>2007</b> , 19, 1789-1791	2.2	18
86	Characterization of the feature-size dependence in Ar <sup>19F</sup> chemically assisted ion beam etching of InP-based photonic crystal devices. <i>Journal of Vacuum Science &amp; Technology B</i> , <b>2007</b> , 25, 1		17
85	Carrier transport through a dry-etched InP-based two-dimensional photonic crystal. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 123101	2.5	19
84	Optical tuning of planar photonic crystals infiltrated with organic molecules. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2007</b> , 24, 2165	1.7	25
83	Liquid crystal infiltration of InP-based planar photonic crystals. <i>Journal of Applied Physics</i> , <b>2006</b> , 99, 103105	1.5	22
82	Heteroepitaxy and Selective Epitaxy for Discrete and Integrated Devices <b>2006</b> ,		1
81	Highly dispersive photonic crystal-based coupled-cavity structures. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 201106	1.6	8
80	Photonic Crystal Based Active Optoelectronic Devices <b>2006</b> , 329-346		1
79	Planar photonic crystals infiltrated with liquid crystals: optical characterization of molecule orientation. <i>Optics Letters</i> , <b>2006</b> , 31, 1238-40	3	33
78	Evidence of the photonic gap contribution to the guiding mechanism for strongly confined modes in the refractivelike domain. <i>Optics Letters</i> , <b>2006</b> , 31, 2139-41	3	
77	Electrical conduction through a 2D InP-based photonic crystal <b>2006</b> ,		2
76	Evidence of Bloch wave propagation within photonic crystal waveguides. <i>Applied Physics B: Lasers and Optics</i> , <b>2006</b> , 82, 9-12	1.9	3
75	Longitudinal mode selection in constricted photonic crystal guides and electrically injected lasers. <i>Journal of Lightwave Technology</i> , <b>2005</b> , 23, 1363-1368	4	3
74	Applications of wavelength dispersion in 1D and 2D photonic crystals <b>2005</b> , 5950, 78		
73	Negative refraction in two-dimensional photonic crystals. <i>Applied Physics A: Materials Science and Processing</i> , <b>2005</b> , 80, 1231-1236	2.6	3
72	Large dispersion in photonic crystal waveguide resonator. <i>Electronics Letters</i> , <b>2005</b> , 41, 414	1.1	5
71	Tuning the optical properties of planar photonic crystals by liquid crystal infiltration <b>2005</b> , 5926, 592601		5
70	Polarization-dependent optical properties of planar photonic crystals infiltrated with liquid crystals. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 121105	3.4	17

69	Determination of spatial resolution in atomic-force-microscopy-based electrical characterization techniques using quantum well structures. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>2005</b> , 23, 61		10
68	Electrical Characterisation of III-V Buried Heterostructure Lasers by Scanning Capacitance Microscopy <b>2005</b> , 413-424		
67	Fabrication of two-dimensional InP-based photonic crystals by chlorine based chemically assisted ion beam etching. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>2004</b> , 22, 707		24
66	Photonic crystal waveguides with propagation losses in the 1dB/m range. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>2004</b> , 22, 3356		8
65	Temperature tuning of the optical properties of planar photonic crystal microcavities. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 846-848	3-4	71
64	Minimization of out-of-plane losses in planar photonic crystals by optimizing the vertical waveguide. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 3998-4000	3-4	15
63	Structural, electrical, and optical analysis of ion implanted semi-insulating InP. <i>Journal of Applied Physics</i> , <b>2004</b> , 95, 477-482	2.5	1
62	Characterization of quantum wells by cross-sectional Kelvin probe force microscopy. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 5245-5247	3-4	14
61	Fabry-Pérot cavities based on two-dimensional photonic crystals fabricated in InP membranes. <i>Journal of Applied Physics</i> , <b>2004</b> , 95, 5928-5930	2.5	7
60	Optical add/drop filters using two-dimensional photonic crystals <b>2004</b> , 5279, 286		2
59	Low-loss photonic crystal and monolithic InP integration: bands, bends, lasers, and filters <b>2004</b> , 5360, 119		1
58	Photonic crystals—a step towards integrated circuits for photonics. <i>ChemPhysChem</i> , <b>2004</b> , 5, 1268-83	3.2	56
57	Scanning capacitance microscopy investigations of InGaAs/InP quantum wells. <i>Thin Solid Films</i> , <b>2004</b> , 459, 67-70	2.2	1
56	Semiconductor photonic crystals for optoelectronics. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2004</b> , 21, 802-808	3	43
55	High external efficiency in a monomode full-photonic-crystal laser under continuous wave electrical injection. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 1913-1915	3-4	12
54	High-bandwidth transmission of an efficient photonic-crystal mode converter. <i>Optics Letters</i> , <b>2004</b> , 29, 1745-7	3	8
53	Negative refraction at infrared wavelengths in a two-dimensional photonic crystal. <i>Physical Review Letters</i> , <b>2004</b> , 93, 073902	7.4	260
52	Modal behavior of single-line photonic crystal guiding structures on InP substrate. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , <b>2004</b> , 2, 1-10	2.6	8

51	Low-loss InP-based photonic-crystal waveguides etched with Ar/Cl <sub>2</sub> chemically assisted ion beam etching. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>2003</b> , 21, 900		26
50	Scanning spreading resistance microscopy of aluminum implanted 4H-SiC. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2003</b> , 102, 128-131	3-1	5
49	Photonic crystal optical filter based on contra-directional waveguide coupling. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 5121-5123	3-4	63
48	Compound cavity measurement of transmission and reflection of a tapered single-line photonic-crystal waveguide. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 2577-2579	3-4	37
47	In-plane resonant cavities with photonic crystal boundaries etched in InP-based heterostructure. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 1095-1097	3-4	20
46	Electrical characterization of InGaAs/InP quantum wells by scanning capacitance microscopy. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 4205-4207	3-4	23
45	Probing carriers in two-dimensional systems with high spatial resolution by scanning spreading resistance microscopy. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 2184-2186	3-4	24
44	Crystallographic orientation dependence of impurity incorporation during epitaxial lateral overgrowth of InP. <i>Journal of Crystal Growth</i> , <b>2002</b> , 237-239, 1418-1422	1.6	11
43	Polytype homogeneity and doping distribution in homoepitaxial 4H SiC grown on nonplanar substrates. <i>Applied Physics Letters</i> , <b>2002</b> , 80, 1755-1757	3-4	6
42	Carrier profiling of Al-doped 4H-SiC by scanning spreading resistance microscopy. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 3004-3006	3-4	16
41	Characterization of GaAs/AlGaAs laser mesas regrown with semi-insulating GaInP by scanning capacitance microscopy. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 960-962	3-4	9
40	Dry Etching of Photonic Crystals in InP Based Materials. <i>Physica Scripta</i> , <b>2002</b> , T101, 106	2.6	17
39	Nanofabrication of high quality photonic crystals for integrated optics circuits. <i>Nanotechnology</i> , <b>2002</b> , 13, 341-345	3-4	14
38	Photonic crystal waveguides in InP-based heterostructures <b>2002</b> ,		3
37	Optical study of two-dimensional InP-based photonic crystals by internal light source technique. <i>IEEE Journal of Quantum Electronics</i> , <b>2002</b> , 38, 786-799	2	48
36	Scanning capacitance microscopy investigations of SiC structures. <i>Materials Science in Semiconductor Processing</i> , <b>2001</b> , 4, 209-211	4-3	11
35	Evaluation of different oxidation methods for silicon for scanning capacitance microscopy. <i>Materials Science in Semiconductor Processing</i> , <b>2001</b> , 4, 81-84	4-3	26
34	Scanning probe microscopy characterisation of masked low energy implanted nanometer structures. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2001</b> , 173, 447-454	1.2	3



33	Techniques for Depth Profiling of Dopants in 4H-SiC. <i>Materials Science Forum</i> , <b>2001</b> , 353-356, 559-562	0.4	6
32	Nanofabrication of two-dimensional photonic crystal mirrors for 1.5 $\mu$ m short cavity lasers. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>2001</b> , 19, 2775		28
31	Characterization of damage in InP dry etched using nitrogen containing chemistries. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>2001</b> , 19, 1905		2
30	Single-mode operation of coupled-cavity lasers based on two-dimensional photonic crystals. <i>Applied Physics Letters</i> , <b>2001</b> , 79, 4091-4093	3.4	21
29	Another dimension in device characterization. <i>IEEE Circuits and Devices: the Magazine of Electronic and Photonic Systems</i> , <b>2000</b> , 16, 12-18		19
28	Trimethylamine: Novel source for low damage reactive ion beam etching of InP. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>1999</b> , 17, 2660		1
27	Scanning capacitance microscopy investigations of buried heterostructure laser structures. <i>Applied Surface Science</i> , <b>1999</b> , 144-145, 137-140	6.7	7
26	Doping landscapes in the nanometer range by scanning capacitance microscopy. <i>Applied Surface Science</i> , <b>1999</b> , 144-145, 525-529	6.7	5
25	Extremely smooth surface morphologies in N <sub>2</sub> /H <sub>2</sub> /CH <sub>4</sub> based low energy chemically assisted ion beam etching of InP/GaInAsP. <i>Thin Solid Films</i> , <b>1999</b> , 343-344, 374-377	2.2	5
24	Scanning Capacitance Microscopy for Two-Dimensional Doping Profiling in Si- and InP-Based Device Structures. <i>Physica Scripta</i> , <b>1999</b> , T79, 163	2.6	4
23	Electrical characterization of InP/GaInP quantum dots by space charge spectroscopy. <i>Journal of Applied Physics</i> , <b>1998</b> , 84, 3747-3755	2.5	53
22	Low energy ion beam etching of InP using methane chemistry. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>1998</b> , 16, 1018		15
21	Topography dependent doping distribution in selectively regrown InP studied by scanning capacitance microscopy. <i>Applied Physics Letters</i> , <b>1998</b> , 72, 815-817	3.4	18
20	MOVPE growth of InP/GaInAs and GaAs/GaInP heterostructures for electronic transport applications. <i>Journal of Crystal Growth</i> , <b>1997</b> , 170, 127-131	1.6	7
19	Electron transport at Au/InP interface with nanoscopic exclusions. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>1996</b> , 14, 2794		24
18	Imaging of ultrafine particles with the atomic force microscope. <i>Journal of Aerosol Science</i> , <b>1996</b> , 27, S173-S174	4.3	2
17	Sharp line injection luminescence from InP quantum dots buried in GaInP. <i>Journal of Applied Physics</i> , <b>1996</b> , 80, 1251-1253	2.5	2
16	Band-filling in InP dots: Single dot spectroscopy and carrier dynamics. <i>Solid-State Electronics</i> , <b>1996</b> , 40, 357-361	1.7	3



15	Optical properties of strained InP quantum dots in Ga <sub>0.5</sub> In <sub>0.5</sub> P studied by space-charge techniques. <i>Physical Review B</i> , <b>1996</b> , 53, R10497-R10500	3.3	6
14	Contact mode atomic force microscopy imaging of nanometer-sized particles. <i>Applied Physics Letters</i> , <b>1995</b> , 66, 3295-3297	3.4	39
13	Deep level transient spectroscopy of InP quantum dots. <i>Applied Physics Letters</i> , <b>1995</b> , 67, 3016-3018	3.4	86
12	Band filling at low optical power density in semiconductor dots. <i>Applied Physics Letters</i> , <b>1995</b> , 67, 1905-1907	3.4	51
11	Strain Effects in InP Dots in between Barriers of GaInP. <i>Materials Research Society Symposia Proceedings</i> , <b>1995</b> , 417, 233		
10	Charge state of the DX center in aluminum gallium arsenide from photo-Hall measurements. <i>Physical Review B</i> , <b>1993</b> , 48, 8757-8760	3.3	2
9	DX Centers in AlGaAs and Pressurised GaAs. <i>Materials Research Society Symposia Proceedings</i> , <b>1993</b> , 300, 489		1
8	Use of low-frequency capacitance in deep level transient spectroscopy measurements to reduce series resistance effects. <i>Journal of Applied Physics</i> , <b>1992</b> , 72, 3535-3538	2.5	7
7	Evidence for the neutral charge state model of the DX center in aluminium gallium arsenide. <i>Solid State Communications</i> , <b>1990</b> , 76, 609-612	1.6	5
6	Evidence for the alloy broadening of the emission and capture rates of the DX center from the frequency dependence of capacitance of Schottky barriers on Al <sub>x</sub> Ga <sub>1-x</sub> As: Si. <i>Journal of Applied Physics</i> , <b>1990</b> , 67, 1121-1123	2.5	3
5	Alloy broadening of the emission barrier of the DX center in aluminum gallium arsenide. <i>Applied Physics Letters</i> , <b>1989</b> , 54, 145-147	3.4	9
4	Low temperature liquid phase epitaxial growth and characterization of Al <sub>x</sub> Ga <sub>1-x</sub> As. <i>Thin Solid Films</i> , <b>1988</b> , 163, 443-446	2.2	4
3	Fabrication and characterization of two-dimensional photonic crystal waveguides etched in InP-based heterostructure		1
2	Characterization of buried heterostructure lasers by scanning capacitance microscopy		1
1	Transport and Schottky properties of GaInP capped GaInAs/InP quantum wells with extremely high electron mobilities		1