

# Alwyn J Seeds

## List of Publications by Year in descending order

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175  
papers

7,596  
citations

71102

41  
h-index

53230

85  
g-index

175  
all docs

175  
docs citations

175  
times ranked

6040  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photodiodes for Terahertz Applications. IEEE Journal of Selected Topics in Quantum Electronics, 2022, 28, 1-12.	2.9	17
2	Multi-wavelength 128 Gbit/s 100 GHz PAM4 optical transmission enabled by a 100 GHz quantum dot mode-locked optical frequency comb. Journal Physics D: Applied Physics, 2022, 55, 144001.	2.8	8
3	Recent Progress of Quantum Dot Lasers Monolithically Integrated on Si Platform. Frontiers in Physics, 2022, 10, .	2.1	14
4	The role of different types of dopants in 1.3 μm InAs/GaAs quantum-dot lasers. Journal Physics D: Applied Physics, 2022, 55, 215105.	2.8	6
5	Refractive indices of MBE-grown Al <sub>x</sub> Ga(1-x)As ternary alloys in the transparent wavelength region. AIP Advances, 2021, 11, .	1.3	52
6	Cascaded Microwave Photonic Filters for Side Mode Suppression in a Tunable Optoelectronic Oscillator applied to THz Signal Generation & Transmission. IEEE Photonics Journal, 2021, 13, 1-11.	2.0	4
7	Pilot-Tone Assisted 16-QAM Photonic Wireless Bridge Operating At 250 GHz. Journal of Lightwave Technology, 2021, 39, 2725-2736.	4.6	10
8	Co-Package Technology Platform for Low-Power and Low-Cost Data Centers. Applied Sciences (Switzerland), 2021, 11, 6098.	2.5	6
9	Modeling of Ultrafast Waveguided Electro-Absorption Modulator at Telecommunication Wavelength (λ = 1.55 μm) Based on Intersubband Transition in an InGaAs/AlAs/AlAsSb Asymmetric Coupled Double Quantum Well Lattice-Matched to InP. IEEE Journal of Quantum Electronics, 2021, 57, 1-10.	1.9	0
10	All-MBE grown InAs/GaAs quantum dot lasers with thin Ge buffer layer on Si substrates. Journal Physics D: Applied Physics, 2021, 54, 035103.	2.8	23
11	InP Photonic Integrated Circuit for 6.7GHz Spaced Optical Frequency Comb Generator. , 2021, , .		0
12	Photonically Generated Millimetre-Wave and THz Links for Wireless Fronthaul and Backhaul. , 2021, , .		1
13	Origin of Defect Tolerance in InAs/GaAs Quantum Dot Lasers Grown on Silicon. Journal of Lightwave Technology, 2020, 38, 240-248.	4.6	46
14	Tunable THz Signal Generation and Radio-Over-Fiber Link Based on an Optoelectronic Oscillator-Driven Optical Frequency Comb. Journal of Lightwave Technology, 2020, 38, 5240-5247.	4.6	18
15	Integrated Wireless-Optical Backhaul and Fronthaul Provision Through Multicore Fiber. IEEE Access, 2020, 8, 146915-146922.	4.2	2
16	Inversion Boundary Annihilation in GaAs Monolithically Grown on On-Axis Silicon (001). Advanced Optical Materials, 2020, 8, 2000970.	7.3	22
17	Theoretical Study on the Effects of Dislocations in Monolithic III-V Lasers on Silicon. Journal of Lightwave Technology, 2020, 38, 4801-4807.	4.6	15
18	Exact frequency and phase control of a terahertz laser. Optica, 2020, 7, 1143.	9.3	3

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19	Ultra-high-resolution software-defined photonic terahertz spectroscopy. <i>Optica</i> , 2020, 7, 1445.	9.3	7
20	Quantum dot mode-locked frequency comb with ultra-stable 25.5â€‰GHz spacing between 20Â°C and 120Â°C. <i>Photonics Research</i> , 2020, 8, 1937.	7.0	14
21	Integrated Photonics for Wireless and Satellite Applications. , 2020, , .		1
22	Electrically pumped continuous-wave O-band quantum-dot superluminescent diode on silicon. <i>Optics Letters</i> , 2020, 45, 5468.	3.3	4
23	Recent progress in epitaxial growth of IIIâ€‰V quantum-dot lasers on silicon substrate. <i>Journal of Semiconductors</i> , 2019, 40, 101302.	3.7	29
24	Dynamics of Quantum Dot Lasers on Silicon. , 2019, , .		0
25	Integration of III-V lasers on Si for Si photonics. <i>Progress in Quantum Electronics</i> , 2019, 66, 1-18.	7.0	86
26	Selective area intermixing of IIIâ€‰V quantum-dot lasers grown on silicon with two wavelength lasing emissions. <i>Semiconductor Science and Technology</i> , 2019, 34, 085004.	2.0	4
27	Continuously Tunable Coherent THz Synthesizer, Referenced to Primary Frequency Standards. , 2019, , .		0
28	CLONETS â€“ Clock Network Services : Optical-fibre network for clock services in Europe: recent progress. , 2019, , .		0
29	High-resolution frequency and phase control of a terahertz laser. , 2019, , .		1
30	O-band InAs/GaAs quantum dot laser monolithically integrated on exact (0â€‰0â€‰1) Si substrate. <i>Journal of Crystal Growth</i> , 2019, 511, 56-60.	1.5	31
31	Comparison of Optical Single Sideband Techniques for THz-Over-Fiber Systems. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2019, 9, 98-105.	3.1	7
32	Understanding the Bandwidth Limitations in Monolithic 1.3 $\mu\text{m}$ InAs/GaAs Quantum Dot Lasers on Silicon. <i>Journal of Lightwave Technology</i> , 2019, 37, 949-955.	4.6	14
33	High performance waveguide uni-travelling carrier photodiode grown by solid source molecular beam epitaxy. <i>Optics Express</i> , 2019, 27, 37065.	3.4	12
34	Roadmap of 1300-nm InAs/GaAs quantum dot laser grown on silicon for silicon photonics. , 2019, , .		7
35	III-V Quantum Dot Lasers Monolithically Grown on Silicon. , 2019, , .		3
36	The CLONETS â€“ Clock Network Services: Strategy and innovation for clock services over optical-fibre networks. , 2019, , .		0

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37	Photonic systems for tunable mm-wave and THz wireless communications. , 2019, , .		0
38	Integrated Semiconductor Laser Optical Phase Lock Loops. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-12.	2.9	53
39	Antenna Integrated THz Uni-Traveling Carrier Photodiodes. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-11.	2.9	52
40	THz Over Fibre for High Capacity Wireless Transmission: Tutorial Paper. , 2018, , .		0
41	InAs/GaAs Quantum Dot Lasers Monolithically Integrated on Group IV Platform. , 2018, , .		1
42	Dynamic Properties of Monolithic 1.3 $\mu\text{m}$ InAs/GaAs Quantum Dot Lasers on Silicon. , 2018, , .		0
43	60 GHz Wireless Link Implementing an Electronic Mixer Driven by a Photonically Integrated Uni-Traveling Carrier Photodiode at the Receiver. , 2018, , .		2
44	Multi-service Digital Radio over Fibre System with Millimetre Wave Bridging. , 2018, , .		4
45	Tuneable Optical Frequency Comb Generator for THz Spectroscopy. , 2018, , .		0
46	Optical Frequency Tuning for Coherent THz Wireless Signals. Journal of Lightwave Technology, 2018, 36, 4664-4670.	4.6	13
47	60-GHz Transmission Link Using Uni-Traveling Carrier Photodiodes at the Transmitter and the Receiver. Journal of Lightwave Technology, 2018, 36, 4507-4513.	4.6	17
48	1.3 $\mu\text{m}$ quantum-dot lasers monolithically grown on silicon. Semiconductor Science and Technology, 2018, 33, 123002.	2.0	35
49	Gain Switching of Monolithic 1.3 $\mu\text{m}$ InAs/GaAs Quantum Dot Lasers on Silicon. Journal of Lightwave Technology, 2018, 36, 3837-3842.	4.6	20
50	Optical Phase Lock Loop as High-Quality Tuneable Filter for Optical Frequency Comb Line Selection. Journal of Lightwave Technology, 2018, 36, 4646-4654.	4.6	9
51	5 Gbps wireless transmission link with an optically pumped uni-traveling carrier photodiode mixer at the receiver. Optics Express, 2018, 26, 2884.	3.4	17
52	Monolithic quantum-dot distributed feedback laser array on silicon. Optica, 2018, 5, 528.	9.3	85
53	The H2020 European project CLONETS: Clock services over optical-fibre networks in Europe. , 2018, , .		0
54	Single Sideband Signals for Phase Noise Mitigation in Wireless THz-Over-Fibre Systems. Journal of Lightwave Technology, 2018, 36, 4527-4534.	4.6	16

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55	The H2020 Project CLONETS: Clock Services over Optical-fibre Networks in Europe. , 2018, , .		2
56	Optical comb for generation of a continuously tunable coherent THz signal from 1225â€™%â€™%GHz to >27ÂˆTHz. Optics Letters, 2018, 43, 2507. 3.3	3.3	18
57	Spectrally Efficient SSB signals for W-band Links Enabled by Kramers-Kronig Receiver. , 2018, , .		8
58	Low-noise 13â€™%â€™%1/4m InAs/GaAs quantum dot laser monolithically grown on silicon. Photonics Research, 2018, 6, 1062. 7.0	7.0	35
59	Digital Radio over Fiber Distribution using Millimetre Wave Bridging. , 2018, , .		3
60	Monolithic Integration of 1.3 Âµm III-V Quantum-Dot Lasers on Si for Si Photonics. , 2018, , .		0
61	O-band InAs Quantum Dot Light Sources Monolithically Grown on Si. , 2018, , .		0
62	Photonic sampling of broadband QAM microwave signals exploiting interleaved optical Nyquist pulses. , 2018, , .		7
63	Monolithically Integrated Electrically Pumped Continuous-Wave III-V Quantum Dot Light Sources on Silicon. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 1-10. 2.9	2.9	28
64	The 2017 terahertz science and technology roadmap. Journal Physics D: Applied Physics, 2017, 50, 043001. 2.8	2.8	1,160
65	CLONETS - clock network services: Strategy and innovation for clock services over optical-fibre networks. , 2017, , .		4
66	Photonic generation and distribution of coherent multiband THz wireless signals. , 2017, , .		2
67	Monolithically integrated optical phase lock loop with 1 THz tuneability. , 2017, , .		0
68	Experimental investigation of phase noise tolerance of SSB THz signals. , 2017, , .		1
69	Coherent frequency tuneable thz wireless signal generation using an optical phase lock loop system. , 2017, , .		3
70	1 Gbaud QPSK wireless receiver using an opto-electronic mixer. , 2017, , .		1
71	III-IV quantum dot lasers epitaxially grown on Si. , 2017, , .		1
72	CLONETS â€™“ Clock network services strategy and innovation for clock services over optical-fibre networks. , 2017, , .		3

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73	Electrically pumped continuous-wave 13 $\mu\text{m}$ InAs/GaAs quantum dot lasers monolithically grown on on-axis Si (001) substrates. Optics Express, 2017, 25, 4632.	3.4	102
74	Terahertz generation mechanism in nano-grating electrode photomixers on Fe-doped InGaAsP. Optics Express, 2017, 25, 10177.	3.4	2
75	Foundry fabricated photonic integrated circuit optical phase lock loop. Optics Express, 2017, 25, 16888.	3.4	11
76	Electronically synthesized Nyquist pulses for photonic sampling of microwave signals. Optics Express, 2017, 25, 29249.	3.4	12
77	Injection locking of a terahertz quantum cascade laser to a telecommunications wavelength frequency comb. Optica, 2017, 4, 1059.	9.3	28
78	Generation of continuous wave terahertz frequency radiation from metal-organic chemical vapour deposition grown Fe-doped InGaAs and InGaAsP. Journal of Applied Physics, 2016, 119, 153103.	2.5	10
79	Terahertz emission mechanism and laser excitation position dependence of nano-grating electrode photomixers. , 2016, , .		0
80	Optimizations of Defect Filter Layers for 1.3- $\mu\text{m}$ InAs/GaAs Quantum-Dot Lasers Monolithically Grown on Si Substrates. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 50-56.	2.9	69
81	Modelling and measurement of the absolute level of power radiated by antenna integrated THz UTC photodiodes. Optics Express, 2016, 24, 11793.	3.4	21
82	Sub-THz Wireless Over Fiber for Frequency Band 220-280 GHz. Journal of Lightwave Technology, 2016, 34, 4786-4793.	4.6	40
83	Accurate equivalent circuit model for millimetre-wave UTC photodiodes. Optics Express, 2016, 24, 4698.	3.4	30
84	Electrically pumped continuous-wave $\mu\text{m}$ quantum dot lasers on silicon. Nature Photonics, 2016, 10, 307-311.	31.4	665
85	Demonstration of photonic integrated RAU for millimetre-wave gigabit wireless transmissio. , 2016, , .		2
86	Linewidth tolerance for THz communication systems using phase estimation algorithm. , 2016, , .		1
87	Optimisation of 1.3- $\mu\text{m}$ InAs/GaAs Quantum-Dot Lasers Monolithically Grown on Si Substrates. Journal of Physics: Conference Series, 2015, 619, 012011.	0.4	1
88	Optimisation of the dislocation filter layers in 1.3- $\mu\text{m}$ InAs/GaAs quantum dot lasers monolithically grown on Si substrates. IET Optoelectronics, 2015, 9, 61-64.	3.3	23
89	Multiband transmission for sub-THz wireless over fibre communication system. , 2015, , .		0
90	Microwave Photonics: Present Status and Future Outlook (Plenary Paper). , 2015, , .		2

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91	Generation of continuous wave terahertz radiation from Fe-doped InGaAs and InGaAsP. , 2015, , .		0
92	TeraHertz Photonics for Wireless Communications. Journal of Lightwave Technology, 2015, 33, 579-587.	4.6	278
93	Near-Field Analysis of Terahertz Pulse Generation From Photo-Excited Charge Density Gradients. IEEE Transactions on Terahertz Science and Technology, 2015, 5, 260-267.	3.1	12
94	Phase Noise Investigation of Multicarrier Sub-THz Wireless Transmission System Based on an Injection-Locked Gain-Switched Laser. IEEE Transactions on Terahertz Science and Technology, 2015, 5, 590-597.	3.1	35
95	100 Gb/s Multicarrier THz Wireless Transmission System With High Frequency Stability Based on A Gain-Switched Laser Comb Source. IEEE Photonics Journal, 2015, 7, 1-11.	2.0	85
96	Prospects for millimetre-wave-over-fibre and THz-over-fibre systems. Proceedings of SPIE, 2015, , .	0.8	1
97	Optical injection locking to optical frequency combs for superchannel coherent detection. Optics Express, 2015, 23, 1547.	3.4	78
98	Uni-travelling carrier photodetectors as THz detectors and emitters. , 2015, , .		2
99	Quantum dot optoelectronic devices: lasers, photodetectors and solar cells. Journal Physics D: Applied Physics, 2015, 48, 363001.	2.8	149
100	Quantum Dot Lasers on Silicon by Direct Epitaxial Growth. , 2015, , .		0
101	Electrically Pumped 1.3- $\mu\text{m}$ InAs/GaAs Quantum Dot Laser Monolithically Grown on Si Substrate Lasing up to 111 $^{\circ}\text{C}$ . , 2015, , .		1
102	Photonic integration for millimetre-wave and THz systems. , 2014, , .		0
103	Zenneck THz Surface Waves-assisted Imaging of Subwavelength Dielectric Particles. , 2014, , .		0
104	Optical injection locking of monolithically integrated photonic source for generation of high purity signals above 100 GHz. Optics Express, 2014, 22, 29404.	3.4	50
105	13- $\mu\text{m}$ InAs/GaAs quantum-dot lasers monolithically grown on Si substrates using InAlAs/GaAs dislocation filter layers. Optics Express, 2014, 22, 11528.	3.4	125
106	InAs/GaAs quantum-dot superluminescent diodes monolithically grown on a Ge substrate. Optics Express, 2014, 22, 23242.	3.4	14
107	High temperature operation of athermal widely tuneable laser with simplified wavelength control for WDM-PON systems. Optics Express, 2014, 22, 24405.	3.4	5
108	Photonic generation for multichannel THz wireless communication. Optics Express, 2014, 22, 23465.	3.4	65

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109	1.3 $\mu$ m InAs/GaAs quantum dot laser monolithically grown on Si substrates operating over 100 $^{\circ}$ C. Electronics Letters, 2014, 50, 1467-1468.	1.0	81
110	Voltage recovery in charged InAs/GaAs quantum dot solar cells. Nano Energy, 2014, 6, 159-166.	16.0	61
111	Electrically pumped continuous wave 1.3 $\mu$ m InAs/GaAs quantum dot lasers monolithically grown on Si substrates. IET Optoelectronics, 2014, 8, 20-24.	3.3	19
112	Monolithically Integrated Optical Phase Lock Loop for Microwave Photonics. Journal of Lightwave Technology, 2014, 32, 3893-3900.	4.6	44
113	InAs/GaAs Quantum-Dot Superluminescent Light-Emitting Diode Monolithically Grown on a Si Substrate. ACS Photonics, 2014, 1, 638-642.	6.6	66
114	Microwave Photonic Integrated Circuits for Millimeter-Wave Wireless Communications. Journal of Lightwave Technology, 2014, 32, 3495-3501.	4.6	141
115	Wafer-Scale Fabrication of Self-Catalyzed 1.7 eV GaAsP Core-Shell Nanowire Photocathode on Silicon Substrates. Nano Letters, 2014, 14, 2013-2018.	9.1	58
116	Multichannel 200GHz 40Gb/s wireless communication system using photonic signal generation. , 2014, , .		4
117	Terahertz imaging of sub-wavelength particles with Zenneck surface waves. Applied Physics Letters, 2013, 103, .	3.3	17
118	Long-wavelength III-V quantum-dot lasers monolithically grown on Si substrates. , 2013, , .		1
119	Semiconductor III-V lasers monolithically grown on Si substrates. Semiconductor Science and Technology, 2013, 28, 015027.	2.0	23
120	InAs/GaAs Quantum-Dot Lasers Monolithically Grown on Si, Ge, and Ge-on-Si Substrates. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 1901107-1901107.	2.9	93
121	Coherent terahertz photonics. Optics Express, 2013, 21, 22988.	3.4	61
122	InAs/GaAs quantum-dot lasers and detectors on silicon substrates for silicon photonics. , 2013, , .		1
123	Near-Field Probe Mapping of the THz Electric Field Distribution on Metallic Surfaces. , 2013, , .		1
124	III-V quantum-dot laser growth on silicon and germanium. , 2013, , .		0
125	Spatial confinement of broadband THz pulses with a twin-needle probe for THz spectroscopy. , 2013, , .		0
126	95 GHz millimeter wave signal generation using an arrayed waveguide grating dual wavelength semiconductor laser. Optics Letters, 2012, 37, 3657.	3.3	85



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127	Terahertz probe for spectroscopy of sub-wavelength objects. Optics Express, 2012, 20, 6197.	3.4	17
128	High-speed photodiodes for InP-based photonic integrated circuits. Optics Express, 2012, 20, 9172.	3.4	46
129	InGaAsP-based uni-travelling carrier photodiode structure grown by solid source molecular beam epitaxy. Optics Express, 2012, 20, 19279.	3.4	14
130	170 GHz uni-traveling carrier photodiodes for InP-based photonic integrated circuits. Optics Express, 2012, 20, 20090.	3.4	44
131	Nitrogen ion implanted InP based photo-switch. Optics Express, 2012, 20, 26696.	3.4	5
132	Continuous-wave InAs/GaAs quantum-dot laser diodes monolithically grown on Si substrate with low threshold current densities. Optics Express, 2012, 20, 22181.	3.4	153
133	1 Gb/s wireless link at 200 GHz using heterodyne detection. , 2012, , .		1
134	Millimeter-wave signal generation by optical heterodyne of two channels from an arrayed waveguide grating-based multi-wavelength laser. , 2012, , .		1
135	InAs/GaAs quantum-dot lasers monolithically grown on Si substrate. , 2012, , .		0
136	Modelling of surface waves on a THz antenna detected by a near-field probe. Optics Express, 2012, 20, 16023.	3.4	28
137	A Pilot-Carrier Coherent LEO-to-Ground Downlink System Using an Optical Injection Phase Lock Loop (OIPLL) Technique. Journal of Lightwave Technology, 2012, 30, 2696-2706.	4.6	24
138	Silicon-based long-wavelength III-V quantum-dot lasers. , 2012, , .		2
139	146-GHz millimeter-wave radio-over-fiber photonic wireless transmission system. Optics Express, 2012, 20, 1769.	3.4	140
140	Millimeter-Wave Optoelectronic Mixers Based on Uni-Traveling Carrier Photodiodes. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 686-691.	4.6	38
141	170 GHz Photodiodes for InP-based photonic integrated circuits. , 2012, , .		8
142	Continuous Wave Terahertz Generation From Ultra-Fast InP-Based Photodiodes. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 509-517.	4.6	125
143	Feasibility study of coherent LEO-ground link system using an optical injection phase lock loop technique. , 2011, , .		1
144	Homodyne Coherent Optical Receiver Using an Optical Injection Phase-Lock Loop. Journal of Lightwave Technology, 2011, 29, 1152-1164.	4.6	50

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145	Monolithically Integrated Photonic Heterodyne System. Journal of Lightwave Technology, 2011, 29, 2229-2234.	4.6	71
146	InP-based ultra-fast photodetectors for millimeter-wave sub-harmonic mixers. , 2011, , .		4
147	Effective homodyne optical phase locking to PSK signal by means of 8b10b line coding. Optics Express, 2011, 19, 1707.	3.4	22
148	Optoelectronic detection of millimetre-wave signals with travelling-wave uni-travelling carrier photodiodes. Optics Express, 2011, 19, 2079.	3.4	35
149	1.3- $\mu$ m InAs/GaAs quantum-dot lasers monolithically grown on Si substrates. Optics Express, 2011, 19, 11381.	3.4	236
150	Monolithically integrated heterodyne optical phase-lock loop with RF XOR phase detector. Optics Express, 2011, 19, 20048.	3.4	31
151	Long-wavelength InAs/GaAs quantum-dot laser diode monolithically grown on Ge substrate. Nature Photonics, 2011, 5, 416-419.	31.4	344
152	Hybrid Integrated Optical Phase-Lock Loops for Photonic Terahertz Sources. IEEE Journal of Selected Topics in Quantum Electronics, 2011, 17, 210-217.	2.9	51
153	Imaging and Analysis of THz Surface Plasmon Polariton Waves with the Integrated Sub-wavelength Aperture Probe. Journal of Infrared, Millimeter, and Terahertz Waves, 2011, 32, 1031-1042.	2.2	33
154	1.3- $\mu$ m InAs/GaAs quantum-dot lasers monolithically grown on Ge substrate. , 2011, , .		0
155	Optically Pumped Mixing at 100 GHz with Travelling-Wave Uni-Travelling Carrier Photodiodes. , 2011, , .		3
156	Transmission of Wireless MIMO-Type Signals Over a Single Optical Fiber Without WDM. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 3094-3102.	4.6	35
157	Traveling-wave Uni-Travelling Carrier Photodiodes for continuous wave THz generation. Optics Express, 2010, 18, 11105.	3.4	154
158	Wireless-Over-Fiber Technology-Bringing the Wireless World Indoors. Optics and Photonics News, 2010, 21, 28.	0.5	5
159	Broadband Access Using Wireless Over Multimode Fiber Systems. Journal of Lightwave Technology, 2010, 28, 2430-2435.	4.6	22
160	Millimeter-Wave Photonic Components for Broadband Wireless Systems. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 3071-3082.	4.6	119
161	Technologies for radio over fibre systems. , 2009, , .		0
162	Active RFID location system based on time-difference measurement using a linear FM chirp tag signal. , 2008, , .		23

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163	IEEE 802.11a Data Over Fiber Transmission Using Electromagnetic Bandgap Photonic Antenna With Integrated Asymmetric Fabry-Pérot Modulator/Detector. Journal of Lightwave Technology, 2008, 26, 2671-2678.	4.6	2
164	Transmission of Gb/s DPSK Millimeter-Wave Wireless Data Over Fiber Using Low-Cost Uncooled Devices With Remote 40-GHz Local Oscillator Delivery. Journal of Lightwave Technology, 2008, 26, 3490-3496.	4.6	8
165	Transmission of MIMO radio signals over fibre using a novel phase quadrature double sideband frequency translation technique. , 2008, , .		4
166	Fast Tuneable InGaAsP DBR Laser Using Quantum-Confined Stark-Effect-Induced Refractive Index Change. IEEE Journal of Selected Topics in Quantum Electronics, 2007, 13, 1112-1121.	2.9	23
167	Full-Duplex DOCSIS/WirelessDOCSIS Fiber-Radio Network Employing Packaged AFPMs as Optical/Electrical Transducers. Journal of Lightwave Technology, 2007, 25, 673-684.	4.6	10
168	High-Dynamic-Range Wireless-Over-Fiber Link Using Feedforward Linearization. Journal of Lightwave Technology, 2007, 25, 3274-3282.	4.6	58
169	A Monolithic MQW InGaAsP-Based Optical Comb Generator. IEEE Journal of Quantum Electronics, 2007, 43, 998-1005.	1.9	20
170	An EBG enhancement to patch array antenna with integrated optical transducer. , 2007, , .		1
171	Microwave Photonics. Journal of Lightwave Technology, 2006, 24, 4628-4641.	4.6	784
172	Modeling of the dynamics of multi-section waveguide lasers. Optical and Quantum Electronics, 1999, 31, 1031-1045.	3.3	1
173	<title>Development of a packaged optical phase-locked loop for use as a signal source in phased-array communications antennas</title>. , 1998, , .		3
174	Optical injection locking and phase-lock loop combined systems. Optics Letters, 1994, 19, 4.	3.3	55
175	The CLONETS 1/2 Clock Network Services Strategy and Innovation for Clock Services Over Optical-Fibre Networks. , 0, , .		0