

Connie J Chang-Hasnain

List of Publications by Year in descending order

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422
papers

12,257
citations

34105

52
h-index

32842

100
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427
all docs

427
docs citations

427
times ranked

6108
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Transmission-Line Contact Length on the 50-Gbit/s Data Encoding Performance of a Multimode VCSEL. <i>Photonics</i> , 2022, 9, 114.	2.0	1
2	Resonant-cavity-enhanced p-i-n photodetector using a high-contrast-grating for 940nm. <i>Optics Express</i> , 2022, 30, 9298.	3.4	1
3	Wavelength-Demultiplexed Laser Interferometry for Metrology. <i>IEEE Photonics Journal</i> , 2021, 13, 1-9.	2.0	0
4	Octave bandwidth photonic fishnet-achromatic-metalens. <i>Nature Communications</i> , 2020, 11, 3205.	12.8	108
5	Feasibility of Using High-Contrast Grating as a Point-of-Care Sensor for Therapeutic Drug Monitoring of Immunosuppressants. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2020, 8, 1-6.	3.7	5
6	Single-Mode VCSEL with Double-Focusing High-Contrast Gratings. , 2020, , .		0
7	Ultracompact Structured Light System of Vertical-Cavity Surface-Emitting Lasers Combining Metagratings. , 2020, , .		3
8	Transverse Mode Control in HCG-VCSELS. , 2020, , .		0
9	Buried Tunnel Junction VCSEL with High Contrast Grating Top Reflector. , 2019, , .		0
10	VCSEL Array for 3D Sensing. , 2019, , .		4
11	Resonant-antiresonant coupled cavity VCSELS. <i>Optics Express</i> , 2019, 27, 1798.	3.4	9
12	Physics of Widely Tunable VCSELS with Coupled Cavities. , 2018, , .		0
13	Air-Cavity Dominated HCG-VCSEL with a Wide Continuous Tuning. , 2018, , .		1
14	Novel Oxide Spacer High-Contrast Grating VCSELS. , 2018, , .		2
15	Monolithic high-contrast metastructure for beam-shaping VCSELS. <i>Optica</i> , 2018, 5, 10.	9.3	45
16	Recent advances in high-contrast metastructures, metasurfaces, and photonic crystals. <i>Advances in Optics and Photonics</i> , 2018, 10, 180.	25.5	119
17	Precise Two-step Growth of 940-nm VCSEL on a GaAsP-capped DBR Wafer. , 2018, , .		0
18	Wavelength Multiplexed Laser Interferometry for Ranging. , 2018, , .		0

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19	Wide, Continuously Swept VCSEL Using a Novel Air-Cavity-Dominant Design. , 2018, , .		0
20	Ultracompact Position-Controlled InP Nanopillar LEDs on Silicon with Bright Electroluminescence at Telecommunication Wavelengths. ACS Photonics, 2017, 4, 695-702.	6.6	26
21	III-V Compound Semiconductor Nanopillars Monolithically Integrated to Silicon Photonics. ACS Photonics, 2017, 4, 1021-1025.	6.6	12
22	Wavelength-Swept VCSELS. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 1-16.	2.9	54
23	Site-Controlled Growth of Monolithic InGaAs/InP Quantum Well Nanopillar Lasers on Silicon. Nano Letters, 2017, 17, 2697-2702.	9.1	33
24	Room-temperature Fabry-Perot resonances in suspended InGaAs/InP quantum-well nanopillars on a silicon substrate. Optics Express, 2017, 25, 271.	3.4	4
25	Very high efficiency optical coupler for silicon nanophotonic waveguide and single mode optical fiber. Optics Express, 2017, 25, 18462.	3.4	45
26	Widely tunable 1060-nm VCSEL with high-contrast grating mirror. Optics Express, 2017, 25, 11844.	3.4	27
27	Nanopillar quantum well lasers directly grown on silicon and emitting at silicon-transparent wavelengths. Optica, 2017, 4, 717.	9.3	45
28	MEMS-tunable VCSELS using 2D high-contrast gratings. Optics Letters, 2017, 42, 823.	3.3	26
29	1060 nm HCG MEMS-VCSEL with 73 nm Tuning Range. , 2017, , .		0
30	Lasing of Site-Controlled InGaAs/InP Quantum Well Nanopillars Grown on Silicon. , 2017, , .		0
31	Large Bandwidth Silicon Nitride Spot-Size Converter for Efficient Supercontinuum Coupling to Chalcogenide Waveguide. , 2017, , .		0
32	Surface-normal electro-optic spatial light modulator using graphene integrated on a high-contrast grating resonator. Optics Express, 2016, 24, 26035.	3.4	39
33	A Third of a Century of Lightwave Technology January 1983-April 2016 (Editorial). Journal of Lightwave Technology, 2016, 34, 2079-2084.	4.6	2
34	Progress and prospects of silicon-based design for optical phased array. Proceedings of SPIE, 2016, , .	0.8	3
35	High-contrast grating resonators for label-free detection of disease biomarkers. Scientific Reports, 2016, 6, 27482.	3.3	50
36	Bright LEDs using position-controlled MOCVD growth of InP nanopillar array on a silicon substrate. , 2016, , .		1

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37	High-Q and low-loss chalcogenide waveguide for nonlinear supercontinuum generation. , 2016, , .		4
38	Compact On-Chip Optical Components Based on Multimode Interference Design Using High-Contrast Grating Hollow-Core Waveguides. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 279-287.	2.9	1
39	Ultrahigh Responsivity-Bandwidth Product in a Compact InP Nanopillar Phototransistor Directly Grown on Silicon. Scientific Reports, 2016, 6, 33368.	3.3	22
40	Widely tunable 1060-nm high-contrast grating VCSEL. , 2016, , .		1
41	Integrated plasmonic refractive index sensor based on grating/metal film resonant structure. Proceedings of SPIE, 2016, , .	0.8	6
42	Planar lens with a quasi-periodic circular design. , 2016, , .		0
43	High-efficiency aperiodic two-dimensional high-contrast-grating hologram. , 2016, , .		3
44	Room-Temperature InGaAs/InP Quantum-Well-in-Nanopillar Laser Directly Grown on Silicon. , 2016, , .		1
45	Efficient Electroluminescence from III/V Quantum-Well-in-Nanopillar Light Emitting Diodes Directly Grown on Silicon. , 2016, , .		1
46	Integration of III-V Nanopillar Resonator to In-Plane Silicon Waveguides. , 2016, , .		3
47	Beam-Shaping Single-Mode VCSEL With A High-Contrast Grating Mirror. , 2016, , .		2
48	Laser optomechanics. Scientific Reports, 2015, 5, 13700.	3.3	31
49	Surface-normal coupled four-wave mixing in a high contrast gratings resonator. Optics Express, 2015, 23, 29565.	3.4	17
50	Design and fabrication of 3D high-contrast metastructure THz cage waveguides. , 2015, , .		0
51	Heterogeneously-integrated VCSEL using high-contrast grating on silicon. , 2015, , .		1
52	Illumination Angle Insensitive Single Indium Phosphide Tapered Nanopillar Solar Cell. Nano Letters, 2015, 15, 4961-4967.	9.1	24
53	Active coloration with flexible high contrast metastructures. Proceedings of SPIE, 2015, , .	0.8	0
54	Flexible photonic metastructures for tunable coloration. Optica, 2015, 2, 255.	9.3	140

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55	Theory and design of two-dimensional high-contrast-grating phased arrays. Optics Express, 2015, 23, 24508.	3.4	24
56	Heterogeneously integrated long-wavelength VCSEL using silicon high contrast grating on an SOI substrate. Optics Express, 2015, 23, 2512.	3.4	67
57	Wurtzite-Phased InP Micropillars Grown on Silicon with Low Surface Recombination Velocity. Nano Letters, 2015, 15, 7189-7198.	9.1	18
58	Design Rule of 2D High Contrast Gratings and Engineering of Orbital Angular Momentum of Light. , 2015, , .		1
59	Surface-normal Coupled Four-wave Mixing in a High Contrast Grating Resonator. , 2015, , .		1
60	High-Contrast Grating Resonator for Label-Free Biosensors. , 2015, , .		1
61	III-V Nanopillar Phototransistor Directly Grown on Silicon. , 2015, , .		0
62	Tunable Coloration with Flexible High-Contrast Metastructures. , 2015, , .		0
63	Hybrid long-wavelength VCSEL using high contrast metastructure on SOI. , 2015, , .		0
64	Broadband Self-Swept High Contrast Grating VCSEL. , 2015, , .		0
65	Breakthroughs in Photonics 2013: Advances in Nanoantennas. IEEE Photonics Journal, 2014, 6, 1-6.	2.0	14
66	Comprehensive model of 1550 nm MEMS-tunable high-contrast-grating VCSELs. Optics Express, 2014, 22, 8541.	3.4	9
67	A 32 Å— 32 optical phased array using polysilicon sub-wavelength high-contrast-grating mirrors. Optics Express, 2014, 22, 19029.	3.4	40
68	High speed optical phased array using high contrast grating all-pass filters. Optics Express, 2014, 22, 20038.	3.4	49
69	Heterogeneously Integrated Long-Wavelength VCSEL using High-Contrast Grating on Silicon. , 2014, , .		1
70	Three-dimensional whispering gallery modes in InGaAs nanoneedle lasers on silicon. Applied Physics Letters, 2014, 105, .	3.3	9
71	Valence Band Splitting in Wurtzite InGaAs Nanoneedles Studied by Photoluminescence Excitation Spectroscopy. ACS Nano, 2014, 8, 11440-11446.	14.6	10
72	High-contrast grating MEMS optical phase-shifters for two-dimensional free-space beam steering. Proceedings of SPIE, 2014, , .	0.8	0

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73	1550-nm wavelength-tunable HCG VCSELs. Proceedings of SPIE, 2014, , .	0.8	3
74	High-speed 32Å–32 MEMS optical phased array. Proceedings of SPIE, 2014, , .	0.8	0
75	InP nanowire avalanche photodiode and bipolar junction phototransistor integrated on silicon substrate. , 2014, , .		1
76	High Brightness InP Micropillars Grown on Silicon with Fermi Level Splitting Larger than 1 eV. Nano Letters, 2014, 14, 3235-3240.	9.1	19
77	Long-Wavelength Tunable Detector Using High-Contrast Grating. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 178-185.	2.9	7
78	Metastable Growth of Pure Wurtzite InGaAs Microstructures. Nano Letters, 2014, 14, 4757-4762.	9.1	16
79	Nanopillar Lasers Directly Grown on Silicon with Heterostructure Surface Passivation. ACS Nano, 2014, 8, 6833-6839.	14.6	26
80	Tailoring the Optical Characteristics of Microsized InP Nanoneedles Directly Grown on Silicon. Nano Letters, 2014, 14, 183-190.	9.1	44
81	Composition Homogeneity in InGaAs/GaAs Core–Shell Nanopillars Monolithically Grown on Silicon. ACS Applied Materials & Interfaces, 2014, 6, 16706-16711.	8.0	9
82	Nanophotonic integrated circuits from nanoresonators grown on silicon. Nature Communications, 2014, 5, 4325.	12.8	57
83	Bifunctional 1550-nm Tunable Device and Its Transmission Characteristics. , 2014, , .		1
84	Optical phased array using high contrast gratings for two dimensional beamforming and beamsteering. Optics Express, 2013, 21, 12238.	3.4	66
85	High speed, ultra-compact spectrometer using high contrast grating swept-wavelength detector. , 2013, , .		3
86	High quality InGaP micropillars directly grown on silicon. , 2013, , .		2
87	High brightness InP micropillars grown on silicon with Fermi-level splits larger than 1 eV. , 2013, , .		0
88	High-quality InP nanoneedles grown on silicon. Applied Physics Letters, 2013, 102, .	3.3	34
89	Unconventional Growth Mechanism for Monolithic Integration of III–V on Silicon. ACS Nano, 2013, 7, 100-107.	14.6	53
90	Experimental and theoretical study of wide hysteresis cycles in 1550 nm VCSELs under optical injection. Optics Express, 2013, 21, 3125.	3.4	24

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91	Long-Wavelength VCSEL Using High-Contrast Grating. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 1701311-1701311.	2.9	84
92	Elastic energy relaxation and critical thickness for plastic deformation in the core-shell InGaAs/GaAs nanopillars. Journal of Applied Physics, 2013, 113, .	2.5	26
93	Optical phase modulation based on directly modulated reflection-mode OIL-VCSEL. Optics Express, 2013, 21, 22114.	3.4	11
94	Single Crystalline InGaAs Nanopillar Grown on Polysilicon with Dimensions beyond the Substrate Grain Size Limit. Nano Letters, 2013, 13, 5931-5937.	9.1	19
95	Sub-cycle QAM modulation for VCSEL-based optical fiber links. Optics Express, 2013, 21, 1830.	3.4	3
96	Optical beamsteering using an 8 Å– 8 MEMS phased array with closed-loop interferometric phase control. Optics Express, 2013, 21, 2807.	3.4	56
97	Physics of high contrast gratings: a band diagram insight. Proceedings of SPIE, 2013, , .	0.8	6
98	Optical phased array using single crystalline silicon high-contrast-gratings for beamsteering. , 2013, , .		1
99	Tunable 1550nm VCSELs using high-contrast grating for next-generation networks. Proceedings of SPIE, 2013, , .	0.8	7
100	Farewell Editorial From the JLT Editor-in-Chief. Journal of Lightwave Technology, 2013, 31, 3-4.	4.6	0
101	Optical phased array using high-contrast grating all-pass filters for fast beam steering. , 2013, , .		0
102	Optical multiplexer using vertical coupler based on high contrast metastructure. Proceedings of SPIE, 2013, , .	0.8	0
103	Ultra-compact Optical Switch Using High Contrast Grating Hollow-core Waveguide. , 2013, , .		1
104	Modeling of Long-Wavelength High Contrast Grating VCSELs and Comparison with Experiment. , 2013, , .		0
105	Linewidth Measurement of 1550 nm High Contrast Grating MEMS-VCSELs. , 2013, , .		1
106	Low loss hollow-core waveguide on a silicon substrate. Nanophotonics, 2012, 1, 23-29.	6.0	31
107	High-contrast gratings for integrated optoelectronics. Advances in Optics and Photonics, 2012, 4, 379.	25.5	443
108	Physics of near-wavelength high contrast gratings. Optics Express, 2012, 20, 10888.	3.4	126

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109	Nanolasers grown on silicon-based MOSFETs. Optics Express, 2012, 20, 12171.	3.4	36
110	High-speed avalanche photodiodes using III-V nanopillars monolithically grown on silicon. , 2012, , .		4
111	An ellipse model for cavity mode behavior of optically injection-locked VCSELs. Optics Express, 2012, 20, 6980.	3.4	8
112	Fast optical phased array with ultra-lightweight high-contrast-grating mirrors. , 2012, , .		1
113	Optical phased array for far field beam steering with varied HCG. Proceedings of SPIE, 2012, , .	0.8	3
114	Low-loss hollow-core waveguide using high-contrast sub-wavelength grating. Proceedings of SPIE, 2012, , .	0.8	1
115	Optical phase shifting based on high contrast grating waveguide. Proceedings of SPIE, 2012, , .	0.8	1
116	Three-Dimensional Chirped High-Contrast Grating Hollow-Core Waveguide. IEEE Photonics Journal, 2012, 4, 1372-1380.	2.0	2
117	Prolog to the Section on Optics and Photonics. Proceedings of the IEEE, 2012, 100, 1600-1603.	21.3	0
118	Optics and Photonics: Key Enabling Technologies. Proceedings of the IEEE, 2012, 100, 1604-1643.	21.3	42
119	A Message From the JLT Editor-in-Chief: "State of the Journal" Journal of Lightwave Technology, 2012, 30, 2741-2742.	4.6	0
120	High-speed optical phased array using high-contrast grating all-pass filters. , 2012, , .		0
121	Characteristics of InP nanoneedles grown on silicon by low-temperature MOCVD. , 2012, , .		1
122	Analog Signal Transmission in a High-Contrast-Gratings-Based Hollow-Core-Waveguide. Journal of Lightwave Technology, 2012, 30, 3640-3646.	4.6	9
123	Quality factor for high contrast grating resonators. , 2012, , .		2
124	Experimental characterization on high contrast grating reflectivity. , 2012, , .		1
125	Low-loss slow light inside high contrast grating waveguide. Proceedings of SPIE, 2012, , .	0.8	5
126	Novel high efficiency vertical to in-plane optical coupler. , 2012, , .		8

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127	Broadband Modulation Performance of 100-GHz EO Polymer MZMs. <i>Journal of Lightwave Technology</i> , 2012, 30, 3647-3652.	4.6	51
128	Slow-light high contrast metastructure hollow-core waveguides. , 2012, , .		4
129	Half-cycle QAM modulation for VCSEL-based optical links. , 2012, , .		2
130	Nanolasers Directly Grown on Si. , 2012, , .		0
131	30-Gbit/s OFDM Intensity Modulation of 1550-nm VCSEL. , 2012, , .		0
132	RF Down-Conversion Based on Optically Injection-locked VCSEL. , 2012, , .		0
133	RF Down-Conversion Based on Optically Injection-locked VCSEL. , 2012, , .		0
134	Continuous Tunable 1550-nm High Contrast Grating VCSEL. , 2012, , .		0
135	Tapped delay-line matched filtering using a high-contrast grating hollow-core waveguide. , 2011, , .		0
136	Nanopillar lasers on silicon. , 2011, , .		0
137	Fast-Light to Slow-Light Switching in a Laser Cavity. <i>IEEE Photonics Technology Letters</i> , 2011, 23, 971-973.	2.5	2
138	GaAs-Based Nanoneedle Light Emitting Diode and Avalanche Photodiode Monolithically Integrated on a Silicon Substrate. <i>Nano Letters</i> , 2011, 11, 385-390.	9.1	97
139	Beyond-Bandwidth Electrical Pulse Modulation of a TO-Can Packaged VCSEL for 10 Gbit/s Injection-Locked NRZ-to-RZ Transmission. <i>Journal of Lightwave Technology</i> , 2011, 29, 830-841.	4.6	28
140	Matrix Fabry-Pérot resonance mechanism in high-contrast gratings. <i>Optics Letters</i> , 2011, 36, 1704.	3.3	71
141	High-contrast gratings as a new platform for integrated optoelectronics. <i>Semiconductor Science and Technology</i> , 2011, 26, 014043.	2.0	79
142	High Reflectivity Subwavelength Metal Grating for VCSEL Applications. , 2011, , .		4
143	Helically Propagating Modes in InGaAs Nanoneedle Lasers Grown on Poly-Silicon and Silicon Substrates. , 2011, , .		0
144	FIR Analog Filter Dependence of HCG-Based Hollow-Core Waveguides upon Varying of Waveguide Parameters. , 2011, , .		0

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145	Nanolasers grown on silicon. Nature Photonics, 2011, 5, 170-175.	31.4	469
146	Growth kinetics of GaAs nanoneedles on silicon and sapphire substrates. Applied Physics Letters, 2011, 98, 153113.	3.3	6
147	New Physics of Subwavelength High Contrast Gratings. , 2011, , .		1
148	Double-Resonant Enhancement of Surface Enhanced Raman Scattering Using High Contrast Grating Resonators. , 2011, , .		2
149	GaAs nanoneedles grown on sapphire. Applied Physics Letters, 2011, 98, 123101.	3.3	33
150	Novel High Efficiency Vertical Optical Coupler Using Subwavelength High Contrast Grating. , 2011, , .		1
151	Hollow-Core-Waveguides using Adiabatically Chirped High-Contrast-Gratings for a $>10\text{\AA}$ — Loss Reduction. , 2011, , .		0
152	Nanolasers on Si-MOSFET: A Monolithic Integration. , 2011, , .		0
153	Tunable Optical Coupling in a Low-Loss Hollow Core Waveguide Using Adiabatically Chirped High-Contrast-Gratings and MEMS Actuators. , 2011, , .		0
154	Novel Three-dimensional Hollow-core Waveguide Using High-contrast Sub-wavelength Grating. , 2011, , .		3
155	Zero-dispersion Slow Light in Hollow Waveguide with High-contrast Grating. , 2010, , .		0
156	Multi-Gbps ASK and QPSK-modulated 60 GHz RoF Link using an Optically Injection Locked VCSEL. , 2010, , .		5
157	InGaAs QW Nanopillar Light Emitting Diodes Monolithically Grown on a Si Substrate. , 2010, , .		1
158	Robustness of VCSEL-based WDM-PON using Orthogonally Polarized Injection. , 2010, , .		0
159	Single Crystalline GaAs Nanoneedles Grown on 46% Lattice-Mismatched Sapphire with Bright Luminescence. , 2010, , .		1
160	Photoluminescence properties of InAs nanowires grown on GaAs and Si substrates. Nanotechnology, 2010, 21, 335705.	2.6	38
161	High contrast gratings for integrated optoelectronics. , 2010, , .		2
162	Chromatic dispersion variation and its effect on high-speed data signals due to structural parameter changes in a high-contrast-grating waveguide. , 2010, , .		1

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163	Nanolasers grown on polycrystalline silicon. , 2010, , .		1
164	Second-harmonic generation from a single wurtzite GaAs nanoneedle. Applied Physics Letters, 2010, 96, 051110.	3.3	52
165	High-contrast gratings as new platform for integrated optoelectronics. , 2010, , .		1
166	Polarized zone-center phonon modes of wurtzite GaAs. Physical Review B, 2010, 81, .	3.2	8
167	Multiwavelength HCG-VCSEL array. , 2010, , .		3
168	All-semiconductor nanolasers on silicon. , 2010, , .		2
169	Planar high-numerical-aperture low-loss focusing reflectors and lenses using subwavelength high contrast gratings. Optics Express, 2010, 18, 12606.	3.4	202
170	1550 nm high contrast grating VCSEL. Optics Express, 2010, 18, 15461.	3.4	97
171	Bandwidth enhancement of injection-locked distributed reflector lasers with wirelike active regions. Optics Express, 2010, 18, 16370.	3.4	16
172	Theoretical analysis of subwavelength high contrast grating reflectors. Optics Express, 2010, 18, 16973.	3.4	270
173	Long Distance Single-mode Fiber Transmission of Multimode VCSELs by Injection Locking. Optics Express, 2010, 18, 20552.	3.4	15
174	Reflection-mode optical injection locking. Optics Express, 2010, 18, 20887.	3.4	14
175	Dispersion properties of high-contrast grating hollow-core waveguides. Optics Letters, 2010, 35, 4099.	3.3	13
176	A Message from the JLT Editor-in-Chief: "Raising the Bar for Publication" Journal of Lightwave Technology, 2010, 28, 989-989.	4.6	0
177	Performance of a Multi-Gb/s 60 GHz Radio Over Fiber System Employing a Directly Modulated Optically Injection-Locked VCSEL. Journal of Lightwave Technology, 2010, 28, 2436-2444.	4.6	35
178	Monolithically integrated multi-wavelength VCSEL arrays using high-contrast gratings. Optics Express, 2010, 18, 694.	3.4	61
179	Long-Wavelength High-Contrast Grating Vertical-Cavity Surface-Emitting Laser. IEEE Photonics Journal, 2010, 2, 415-422.	2.0	44
180	1550 nm high contrast grating VCSEL using proton-implant-defined aperture. , 2010, , .		1

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181	Planar, High Numerical-aperture Lens Using Sub-wavelength High Contrast Grating. , 2010, , .		1
182	Ultra-compact Optical Coupler and Splitter using High-Contrast Grating Hollow-Core Waveguide. , 2010, , .		2
183	Bandwidth Enhancement of Distributed Reflector Lasers at Low Bias Current by Optical Injection Locking. , 2010, , .		0
184	MPSK Modulation by Optical Injection Locked VCSEL. , 2010, , .		0
185	As-Grown InGaAs Nanolasers for Integrated Silicon Photonics. , 2010, , .		2
186	Novel Inverse-tone High Contrast Grating Reflector. , 2010, , .		4
187	Spatially Resolved, Polarized Photoluminescence from Wurtzite InGaAs/GaAs Nanoneedles. , 2010, , .		0
188	A "Linear" High-Contrast Gratings Hollow-Core Waveguide and its System Level Performance. , 2010, , .		2
189	Novel Nanowire Cavity Using Cut-Off Mode Reflector. , 2010, , .		0
190	High Contrast Grating Based Saturable Absorber for Mode-locked Lasers. , 2010, , .		0
191	Observation of Strong Second Harmonic Generation from a Single Wurtzite GaAs Nanoneedle. , 2009, , .		0
192	Multi-wavelength VCSEL array based on high contrast sub-wavelength grating. , 2009, , .		1
193	Optoelectronic Oscillators Using Direct-Modulated Semiconductor Lasers Under Strong Optical Injection. IEEE Journal of Selected Topics in Quantum Electronics, 2009, 15, 572-577.	2.9	56
194	High-Contrast Grating VCSELs. IEEE Journal of Selected Topics in Quantum Electronics, 2009, 15, 869-878.	2.9	82
195	High-Index-Contrast Grating (HCG) and Its Applications in Optoelectronic Devices. IEEE Journal of Selected Topics in Quantum Electronics, 2009, 15, 1485-1499.	2.9	119
196	A novel ultra-low loss hollow-core waveguide using subwavelength high-contrast gratings. Optics Express, 2009, 17, 1508.	3.4	70
197	Greatly enhanced slow and fast light in chirped pulse semiconductor optical amplifiers: Theory and experiments. Optics Express, 2009, 17, 2188.	3.4	8
198	Core-shell InGaAs/GaAs quantum well nanoneedles grown on silicon with silicon-transparent emission. Optics Express, 2009, 17, 7831.	3.4	38

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199	Greatly increased fiber transmission distance with an optically injection-locked vertical-cavity surface-emitting laser. Optics Express, 2009, 17, 13785.	3.4	22
200	22-Gb/s Long Wavelength VCSELs. Optics Express, 2009, 17, 17547.	3.4	44
201	Size effect of high contrast gratings in VCSELs. Optics Express, 2009, 17, 24002.	3.4	37
202	Reconfigurable Multifunctional Operation Using Optical Injection-Locked Vertical-Cavity Surface-Emitting Lasers. Journal of Lightwave Technology, 2009, 27, 2958-2963.	4.6	4
203	On the Go to Reduce Time to Publication: A Message from the Editor-in-Chief. Journal of Lightwave Technology, 2009, 27, 1063-1063.	4.6	0
204	Low Birefringence and 2-D Optical Confinement of Hollow Waveguide With Distributed Bragg Reflector and High-Index-Contrast Grating. IEEE Photonics Journal, 2009, 1, 135-143.	2.0	21
205	Electron Spin Polarization Induced by Linearly Polarized Light in a (110) GaAs Quantum-Well Waveguide. Physical Review Letters, 2009, 102, 206604.	7.8	9
206	90-km Single-mode Fiber Transmission of 10-Gb/s Multimode VCSELs under Optical Injection Locking. , 2009, , .		0
207	Novel 2D High-Contrast Grating Hollow-Core Waveguide. , 2009, , .		2
208	Ultra-low Loss Hollow-core Waveguides Using High-Contrast Gratings. , 2009, , .		3
209	GaAs Nanoneedle Photodetector Monolithically Grown on a (111) Si Substrate by MOCVD. , 2009, , .		1
210	High-Q Resonance in Subwavelength High Contrast Gratings. , 2009, , .		0
211	Impact of High Contrast Grating Size in Tunable VCSELs. , 2009, , .		0
212	InGaAs Quantum Well Nanoneedles on Silicon with Long Wavelength Emission for Silicon Transparency. , 2009, , .		0
213	Anomalous Modulation Characteristics of Optical Injection-locked VCSELs. , 2009, , .		0
214	A Novel Ellipse Model for Optically Injection-locked VCSELs. , 2009, , .		0
215	Physical Origin of Data Pattern Inversion in Optical Injection-locked VCSELs. , 2009, , .		1
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