

Connie J Chang-Hasnain

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.

310
papers

9,160
citations

45
h-index

85
g-index

427
ext. papers

11,254
ext. citations

4
avg, IF

6.15
L-index

#	Paper	IF	Citations
310	Effect of Transmission-Line Contact Length on the 50-Gbit/s Data Encoding Performance of a Multimode VCSEL. <i>Photonics</i> , 2022 , 9, 114	2.2	0
309	Resonant-cavity-enhanced p-i-n photodetector using a high-contrast-grating for 940nm.. <i>Optics Express</i> , 2022 , 30, 9298-9306	3.3	
308	Wavelength-Demultiplexed Laser Interferometry for Metrology. <i>IEEE Photonics Journal</i> , 2021 , 13, 1-9	1.8	
307	Octave bandwidth photonic fishnet-achromatic-metalens. <i>Nature Communications</i> , 2020 , 11, 3205	17.4	46
306	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, 2800206	3	2
305	Resonant-antiresonant coupled cavity VCSELs. <i>Optics Express</i> , 2019 , 27, 1798-1807	3.3	7
304	VCSEL Array for 3D Sensing 2019 ,		2
303	Monolithic high-contrast metastructure for beam-shaping VCSELs. <i>Optica</i> , 2018 , 5, 10	8.6	28
302	Recent advances in high-contrast metastructures, metasurfaces, and photonic crystals. <i>Advances in Optics and Photonics</i> , 2018 , 10, 180	16.7	69
301	Ultracompact Position-Controlled InP Nanopillar LEDs on Silicon with Bright Electroluminescence at Telecommunication Wavelengths. <i>ACS Photonics</i> , 2017 , 4, 695-702	6.3	20
300	III-V Compound Semiconductor Nanopillars Monolithically Integrated to Silicon Photonics. <i>ACS Photonics</i> , 2017 , 4, 1021-1025	6.3	7
299	Wavelength-Swept VCSELs. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2017 , 23, 1-16	3.8	30
298	Site-Controlled Growth of Monolithic InGaAs/InP Quantum Well Nanopillar Lasers on Silicon. <i>Nano Letters</i> , 2017 , 17, 2697-2702	11.5	27
297	Room-temperature Fabry-Perot resonances in suspended InGaAs/InP quantum-well nanopillars on a silicon substrate. <i>Optics Express</i> , 2017 , 25, 271-277	3.3	3
296	Very high efficiency optical coupler for silicon nanophotonic waveguide and single mode optical fiber. <i>Optics Express</i> , 2017 , 25, 18462-18473	3.3	30
295	Widely tunable 1060-nm VCSEL with high-contrast grating mirror. <i>Optics Express</i> , 2017 , 25, 11844-11854	3.3	17
294	Nanopillar quantum well lasers directly grown on silicon and emitting at silicon-transparent wavelengths. <i>Optica</i> , 2017 , 4, 717	8.6	37

293	MEMS-tunable VCSELs using 2D high-contrast gratings. <i>Optics Letters</i> , 2017 , 42, 823-826	3	16
292	Ultrahigh Responsivity-Bandwidth Product in a Compact InP Nanopillar Phototransistor Directly Grown on Silicon. <i>Scientific Reports</i> , 2016 , 6, 33368	4.9	19
291	Widely tunable 1060-nm high-contrast grating VCSEL 2016 ,		1
290	Integrated plasmonic refractive index sensor based on grating/metal film resonant structure 2016 ,		5
289	High-efficiency aperiodic two-dimensional high-contrast-grating hologram 2016 ,		3
288	Room-Temperature InGaAs/InP Quantum-Well-in-Nanopillar Laser Directly Grown on Silicon 2016 ,		1
287	Efficient Electroluminescence from III/V Quantum-Well-in-Nanopillar Light Emitting Diodes Directly Grown on Silicon 2016 ,		1
286	Integration of III-V Nanopillar Resonator to In-Plane Silicon Waveguides 2016 ,		3
285	Beam-Shaping Single-Mode VCSEL With A High-Contrast Grating Mirror 2016 ,		2
284	Surface-normal electro-optic spatial light modulator using graphene integrated on a high-contrast grating resonator. <i>Optics Express</i> , 2016 , 24, 26035-26043	3.3	30
283	. <i>Journal of Lightwave Technology</i> , 2016 , 34, 2079-2084	4	2
282	Progress and prospects of silicon-based design for optical phased array 2016 ,		2
281	High-contrast grating resonators for label-free detection of disease biomarkers. <i>Scientific Reports</i> , 2016 , 6, 27482	4.9	32
280	High-Q and low-loss chalcogenide waveguide for nonlinear supercontinuum generation 2016 ,		4
279	Compact On-Chip Optical Components Based on Multimode Interference Design Using High-Contrast Grating Hollow-Core Waveguides. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016 , 22, 279-287	3.8	1
278	Illumination Angle Insensitive Single Indium Phosphide Tapered Nanopillar Solar Cell. <i>Nano Letters</i> , 2015 , 15, 4961-7	11.5	22
277	Flexible photonic metastructures for tunable coloration. <i>Optica</i> , 2015 , 2, 255	8.6	110
276	Theory and design of two-dimensional high-contrast-grating phased arrays. <i>Optics Express</i> , 2015 , 23, 24508-24	3.3	20

275	Heterogeneously integrated long-wavelength VCSEL using silicon high contrast grating on an SOI substrate. <i>Optics Express</i> , 2015 , 23, 2512-23	3.3	48
274	Wurtzite-Phased InP Micropillars Grown on Silicon with Low Surface Recombination Velocity. <i>Nano Letters</i> , 2015 , 15, 7189-98	11.5	16
273	Design Rule of 2D High Contrast Gratings and Engineering of Orbital Angular Momentum of Light 2015 ,		1
272	Integrated Optics Using High Contrast Gratings 2015 , 57-105		1
271	Laser optomechanics. <i>Scientific Reports</i> , 2015 , 5, 13700	4.9	25
270	Surface-normal coupled four-wave mixing in a high contrast gratings resonator. <i>Optics Express</i> , 2015 , 23, 29565-72	3.3	14
269	Surface-normal Coupled Four-wave Mixing in a High Contrast Grating Resonator 2015 ,		1
268	InP nanowire avalanche photodiode and bipolar junction phototransistor integrated on silicon substrate 2014 ,		1
267	High brightness InP micropillars grown on silicon with Fermi level splitting larger than 1 eV. <i>Nano Letters</i> , 2014 , 14, 3235-40	11.5	17
266	Long-Wavelength Tunable Detector Using High-Contrast Grating. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2014 , 20, 178-185	3.8	7
265	Metastable growth of pure wurtzite InGaAs microstructures. <i>Nano Letters</i> , 2014 , 14, 4757-62	11.5	16
264	Nanopillar lasers directly grown on silicon with heterostructure surface passivation. <i>ACS Nano</i> , 2014 , 8, 6833-9	16.7	19
263	Tailoring the optical characteristics of microsized InP nanoneedles directly grown on silicon. <i>Nano Letters</i> , 2014 , 14, 183-90	11.5	40
262	Composition homogeneity in InGaAs/GaAs core-shell nanopillars monolithically grown on silicon. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 16706-11	9.5	7
261	Nanophotonic integrated circuits from nanoresonators grown on silicon. <i>Nature Communications</i> , 2014 , 5, 4325	17.4	39
260	Breakthroughs in Photonics 2013: Advances in Nanoantennas. <i>IEEE Photonics Journal</i> , 2014 , 6, 1-6	1.8	7
259	Comprehensive model of 1550 nm MEMS-tunable high-contrast-grating VCSELs. <i>Optics Express</i> , 2014 , 22, 8541-55	3.3	7
258	A 32 \times 32 optical phased array using polysilicon sub-wavelength high-contrast-grating mirrors. <i>Optics Express</i> , 2014 , 22, 19029-39	3.3	30

257	High speed optical phased array using high contrast grating all-pass filters. <i>Optics Express</i> , 2014 , 22, 20038-44	3.5	44
256	Three-dimensional whispering gallery modes in InGaAs nanoneedle lasers on silicon. <i>Applied Physics Letters</i> , 2014 , 105, 111105	3.4	8
255	Valence band splitting in wurtzite InGaAs nanoneedles studied by photoluminescence excitation spectroscopy. <i>ACS Nano</i> , 2014 , 8, 11440-6	16.7	8
254	1550-nm wavelength-tunable HCG VCSELs 2014 ,		1
253	Optical phased array using high contrast gratings for two dimensional beamforming and beamsteering. <i>Optics Express</i> , 2013 , 21, 12238-48	3.3	46
252	High speed, ultra-compact spectrometer using high contrast grating swept-wavelength detector 2013 ,		2
251	High quality InGaP micropillars directly grown on silicon 2013 ,		2
250	High-Contrast Grating VCSELs. <i>Springer Series in Optical Sciences</i> , 2013 , 291-317	0.5	
249	High-quality InP nanoneedles grown on silicon. <i>Applied Physics Letters</i> , 2013 , 102, 012115	3.4	28
248	Unconventional growth mechanism for monolithic integration of III-V on silicon. <i>ACS Nano</i> , 2013 , 7, 100-116.7	16.7	44
247	Experimental and theoretical study of wide hysteresis cycles in 1550 nm VCSELs under optical injection. <i>Optics Express</i> , 2013 , 21, 3125-32	3.3	23
246	. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2013 , 19, 1701311-1701311	3.8	52
245	Elastic energy relaxation and critical thickness for plastic deformation in the core-shell InGaAs/GaAs nanopillars. <i>Journal of Applied Physics</i> , 2013 , 113, 104311	2.5	20
244	Optical phase modulation based on directly modulated reflection-mode OIL-VCSEL. <i>Optics Express</i> , 2013 , 21, 22114-23	3.3	7
243	Single crystalline InGaAs nanopillar grown on polysilicon with dimensions beyond the substrate grain size limit. <i>Nano Letters</i> , 2013 , 13, 5931-7	11.5	17
242	Sub-cycle QAM modulation for VCSEL-based optical fiber links. <i>Optics Express</i> , 2013 , 21, 1830-9	3.3	1
241	Optical beamsteering using an 8 × 8 MEMS phased array with closed-loop interferometric phase control. <i>Optics Express</i> , 2013 , 21, 2807-15	3.3	41
240	Physics of high contrast gratings: a band diagram insight 2013 ,		5

239	Tunable 1550nm VCSELs using high-contrast grating for next-generation networks 2013,		3
238	Ultra-compact Optical Switch Using High Contrast Grating Hollow-core Waveguide 2013,		1
237	. <i>IEEE Photonics Journal</i> , 2012 , 4, 1372-1380	1.8	1
236	. <i>Proceedings of the IEEE</i> , 2012 , 100, 1600-1603	14.3	
235	. <i>Proceedings of the IEEE</i> , 2012 , 100, 1604-1643	14.3	32
234	A Message From the JLT Editor-in-Chief: State of the Journal <i>Journal of Lightwave Technology</i> , 2012 , 30, 2741-2742	4	
233	Characteristics of InP nanoneedles grown on silicon by low-temperature MOCVD 2012,		1
232	. <i>Journal of Lightwave Technology</i> , 2012 , 30, 3640-3646	4	7
231	2012,		1
230	Experimental characterization on high contrast grating reflectivity 2012,		1
229	Low-loss slow light inside high contrast grating waveguide 2012,		2
228	Novel high efficiency vertical to in-plane optical coupler 2012,		5
227	. <i>Journal of Lightwave Technology</i> , 2012 , 30, 3647-3652	4	40
226	Slow-light high contrast metastructure hollow-core waveguides 2012,		2
225	Low loss hollow-core waveguide on a silicon substrate. <i>Nanophotonics</i> , 2012 , 1, 23-29	6.3	26
224	High-contrast gratings for integrated optoelectronics. <i>Advances in Optics and Photonics</i> , 2012 , 4, 379	16.7	300
223	Physics of near-wavelength high contrast gratings. <i>Optics Express</i> , 2012 , 20, 10888-95	3.3	91
222	Nanolasers grown on silicon-based MOSFETs. <i>Optics Express</i> , 2012 , 20, 12171-6	3.3	28

221	High-speed avalanche photodiodes using III-V nanopillars monolithically grown on silicon 2012,		4
220	An ellipse model for cavity mode behavior of optically injection-locked VCSELs. <i>Optics Express</i> , 2012 , 20, 6980-8	3.3	7
219	Optical phased array for far field beam steering with varied HCG 2012,		2
218	Half-cycle QAM modulation for VCSEL-based optical links 2012,		2
217	Fast-Light to Slow-Light Switching in a Laser Cavity. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 971-973	2.2	1
216	GaAs-based nanoneedle light emitting diode and avalanche photodiode monolithically integrated on a silicon substrate. <i>Nano Letters</i> , 2011 , 11, 385-90	11.5	81
215	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	26
214	Matrix Fabry-Perot resonance mechanism in high-contrast gratings. <i>Optics Letters</i> , 2011 , 36, 1704-6	3	49
213	High-contrast gratings as a new platform for integrated optoelectronics. <i>Semiconductor Science and Technology</i> , 2011 , 26, 014043	1.8	63
212	High Reflectivity Subwavelength Metal Grating for VCSEL Applications 2011,		2
211	Nanolasers grown on silicon. <i>Nature Photonics</i> , 2011 , 5, 170-175	33.9	387
210	Growth kinetics of GaAs nanoneedles on silicon and sapphire substrates. <i>Applied Physics Letters</i> , 2011 , 98, 153113	3.4	6
209	Double-Resonant Enhancement of Surface Enhanced Raman Scattering Using High Contrast Grating Resonators 2011,		1
208	GaAs nanoneedles grown on sapphire. <i>Applied Physics Letters</i> , 2011 , 98, 123101	3.4	31
207	Novel Three-dimensional Hollow-core Waveguide Using High-contrast Sub-wavelength Grating 2011,		1
206	Photoluminescence properties of InAs nanowires grown on GaAs and Si substrates. <i>Nanotechnology</i> , 2010 , 21, 335705	3.4	35
205	High contrast gratings for integrated optoelectronics 2010,		2
204	2010,		1

203	Second-harmonic generation from a single wurtzite GaAs nanoneedle. <i>Applied Physics Letters</i> , 2010 , 96, 051110	3-4	44
202	Polarized zone-center phonon modes of wurtzite GaAs. <i>Physical Review B</i> , 2010 , 81,	3-3	8
201	Multiwavelength HCG-VCSEL array 2010 ,		2
200	All-semiconductor nanolasers on silicon 2010 ,		2
199	Planar high-numerical-aperture low-loss focusing reflectors and lenses using subwavelength high contrast gratings. <i>Optics Express</i> , 2010 , 18, 12606-14	3-3	160
198	1550 nm high contrast grating VCSEL. <i>Optics Express</i> , 2010 , 18, 15461-6	3-3	72
197	Bandwidth enhancement of injection-locked distributed reflector lasers with wirelike active regions. <i>Optics Express</i> , 2010 , 18, 16370-8	3-3	11
196	Theoretical analysis of subwavelength high contrast grating reflectors. <i>Optics Express</i> , 2010 , 18, 16973-83	3-3	205
195	Long distance single-mode fiber transmission of multimode VCSELs by injection locking. <i>Optics Express</i> , 2010 , 18, 20552-7	3-3	9
194	Reflection-mode optical injection locking. <i>Optics Express</i> , 2010 , 18, 20887-93	3-3	11
193	Dispersion properties of high-contrast grating hollow-core waveguides. <i>Optics Letters</i> , 2010 , 35, 4099-101	3-3	11
192	Performance of a Multi-Gb/s 60 GHz Radio Over Fiber System Employing a Directly Modulated Optically Injection-Locked VCSEL. <i>Journal of Lightwave Technology</i> , 2010 , 28, 2436-2444	4	28
191	Monolithically integrated multi-wavelength VCSEL arrays using high-contrast gratings. <i>Optics Express</i> , 2010 , 18, 694-9	3-3	50
190	Long-Wavelength High-Contrast Grating Vertical-Cavity Surface-Emitting Laser. <i>IEEE Photonics Journal</i> , 2010 , 2, 415-422	1-8	39
189	1550 nm high contrast grating VCSEL using proton-implant-defined aperture 2010 ,		1
188	Multi-Gbps ASK and QPSK-modulated 60 GHz RoF Link using an Optically Injection Locked VCSEL 2010 ,		4
187	Single Crystalline GaAs Nanoneedles Grown on 46% Lattice-Mismatched Sapphire with Bright Luminescence 2010 ,		1
186	Planar, High Numerical-aperture Lens Using Sub-wavelength High Contrast Grating 2010 ,		1

185	Ultra-compact Optical Coupler and Splitter using High-Contrast Grating Hollow-Core Waveguide 2010,		1
184	Novel Inverse-tone High Contrast Grating Reflector 2010,		1
183	A Linear High-Contrast Gratings Hollow-Core Waveguide and its System Level Performance 2010,		2
182	Optoelectronic Oscillators Using Direct-Modulated Semiconductor Lasers Under Strong Optical Injection. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2009 , 15, 572-577	3.8	42
181	High-Contrast Grating VCSELs. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2009 , 15, 869-878	3.8	59
180	High-Index-Contrast Grating (HCG) and Its Applications in Optoelectronic Devices. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2009 , 15, 1485-1499	3.8	93
179	A novel ultra-low loss hollow-core waveguide using subwavelength high-contrast gratings. <i>Optics Express</i> , 2009 , 17, 1508-17	3.3	54
178	Greatly enhanced slow and fast light in chirped pulse semiconductor optical amplifiers: theory and experiments. <i>Optics Express</i> , 2009 , 17, 2188-97	3.3	7
177	Core-shell InGaAs/GaAs quantum well nanoneedles grown on silicon with silicon-transparent emission. <i>Optics Express</i> , 2009 , 17, 7831-6	3.3	34
176	Greatly increased fiber transmission distance with an optically injection-locked vertical-cavity surface-emitting laser. <i>Optics Express</i> , 2009 , 17, 13785-91	3.3	17
175	22-Gb/s Long Wavelength VCSELs. <i>Optics Express</i> , 2009 , 17, 17547-54	3.3	32
174	Size effect of high contrast gratings in VCSELs. <i>Optics Express</i> , 2009 , 17, 24002-7	3.3	31
173	Reconfigurable Multifunctional Operation Using Optical Injection-Locked Vertical-Cavity Surface-Emitting Lasers. <i>Journal of Lightwave Technology</i> , 2009 , 27, 2958-2963	4	4
172	On the Go to Reduce Time to Publication: A Message from the Editor-in-Chief. <i>Journal of Lightwave Technology</i> , 2009 , 27, 1063-1063	4	
171	Low Birefringence and 2-D Optical Confinement of Hollow Waveguide With Distributed Bragg Reflector and High-Index-Contrast Grating. <i>IEEE Photonics Journal</i> , 2009 , 1, 135-143	1.8	18
170	Electron spin polarization induced by linearly polarized light in a (110) GaAs quantum-well waveguide. <i>Physical Review Letters</i> , 2009 , 102, 206604	7.4	8
169	Novel 2D High-Contrast Grating Hollow-Core Waveguide 2009,		1
168	GaAs Nanoneedle Photodetector Monolithically Grown on a (111) Si Substrate by MOCVD 2009,		1

167	A nanoelectromechanical tunable laser. <i>Nature Photonics</i> , 2008 , 2, 180-184	33.9	137
166	A New Amplifier Model for Resonance Enhancement of Optically Injection-Locked Lasers. <i>IEEE Photonics Technology Letters</i> , 2008 , 20, 395-397	2.2	18
165	VCSEL Optoelectronic Biosensor for Detection of Infectious Diseases. <i>IEEE Photonics Technology Letters</i> , 2008 , 20, 443-445	2.2	17
164	Large Fabrication Tolerance for VCSELs Using High-Contrast Grating. <i>IEEE Photonics Technology Letters</i> , 2008 , 20, 434-436	2.2	38
163	Tunable Optical Equalizer Using Diffraction Grating Filters. <i>IEEE Photonics Technology Letters</i> , 2008 , 20, 1590-1592	2.2	6
162	Atomically sharp catalyst-free wurtzite GaAs/AlGaAs nanoneedles grown on silicon. <i>Applied Physics Letters</i> , 2008 , 93, 023116	3.4	89
161	Celebrating 25 Years of the IEEE/OSA Journal of Lightwave Technology. <i>Journal of Lightwave Technology</i> , 2008 , 26, 990-993	4	2
160	Bandwidth Enhancement by Master Modulation of Optical Injection-Locked Lasers. <i>Journal of Lightwave Technology</i> , 2008 , 26, 2584-2593	4	31
159	Ultrahigh-bandwidth electrically tunable fast and slow light in semiconductor optical amplifiers [Invited]. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008 , 25, C46	1.7	8
158	Strong optical injection-locked semiconductor lasers demonstrating > 100-GHz resonance frequencies and 80-GHz intrinsic bandwidths. <i>Optics Express</i> , 2008 , 16, 6609-18	3.3	123
157	Tunable VCSEL with ultra-thin high contrast grating for high-speed tuning. <i>Optics Express</i> , 2008 , 16, 14223-36	3.3	36
156	Surface-normal emission of a high-Q resonator using a subwavelength high-contrast grating. <i>Optics Express</i> , 2008 , 16, 17282-7	3.3	98
155	Greatly enhanced modulation response of injection-locked multimode VCSELs. <i>Optics Express</i> , 2008 , 16, 21582-6	3.3	21
154	Adjustable Chirp Injection-Locked 1.55- μm VCSELs for Enhanced Chromatic Dispersion Compensation at 10-Gbit/s 2008 ,		3
153	High-Speed Modulation of Optical Injection-Locked Semiconductor Lasers 2008 ,		1
152	80-GHz intrinsic 3-dB bandwidth of directly modulated semiconductor lasers under optical injection locking 2008 ,		2
151	Optical properties of InP nanowires on Si substrates with varied synthesis parameters. <i>Applied Physics Letters</i> , 2008 , 92, 013121	3.4	35
150	NEMO tunable VCSEL using ultra compact high contrast grating for high speed tuning 2008 ,		4

149	Tunable optical equalizer based on 1.55- μm VCSEL for modulation bandwidth enhancement 2008,		1
148	Growth mechanisms and crystallographic structure of InP nanowires on lattice-mismatched substrates. <i>Journal of Applied Physics</i> , 2008 , 104, 044313	2-5	53
147	Single mode high-contrast subwavelength grating vertical cavity surface emitting lasers. <i>Applied Physics Letters</i> , 2008 , 92, 171108	3-4	35
146	Systematic study on locking stability and frequency response of injection-locked multimode VCSELs 2008,		1
145	107-GHz Resonance Frequency of 1.55- μm VCSELs under ultra-high optical injection locking 2008,		1
144	A novel high-Q resonator using high contrast subwavelength grating 2008,		1
143	Analytical solution and design guideline for highly reflective subwavelength gratings 2008,		2
142	Ultrahigh-speed laser modulation by injection locking 2008, 145-182		4
141	Upstream vertical cavity surface-emitting lasers for fault monitoring and localization in WDM passive optical networks. <i>Optics Communications</i> , 2008 , 281, 2218-2226	2	6
140	Hybrid microdisk laser on a silicon platform using lateral-field optoelectronic tweezers assembly 2008,		1
139	A surface-emitting laser incorporating a high-index-contrast subwavelength grating. <i>Nature Photonics</i> , 2007 , 1, 119-122	33-9	387
138	Monolithic Integrated Piezoelectric MEMS-Tunable VCSEL. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2007 , 13, 374-380	3-8	19
137	Optically Injection-Locked Optoelectronic Oscillators with Low RF Threshold Gain 2007,		6
136	Rayleigh backscattering and extinction ratio study of optically injection-locked 1.55 [μm] VCSELs. <i>Electronics Letters</i> , 2007 , 43, 182	1-1	7
135	Transverse Mode Control in High-Contrast Subwavelength Grating VCSEL 2007,		1
134	Critical diameter for III-V nanowires grown on lattice-mismatched substrates. <i>Applied Physics Letters</i> , 2007 , 90, 043115	3-4	186
133	Novel Fault Monitoring and Localization Scheme in WDM-PONs with Upstream VCSEL Transmitters 2007,		3
132	Slow light using spin coherence and V-type electromagnetically induced transparency in [110] strained quantum wells. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007 , 24, 849	1-7	8

131	THz-bandwidth tunable slow light in semiconductor optical amplifiers. <i>Optics Express</i> , 2007 , 15, 747-53	3-3	24
130	Nano electro-mechanical optoelectronic tunable VCSEL. <i>Optics Express</i> , 2007 , 15, 1222-7	3-3	38
129	Novel cascaded injection-locked 1.55- μm VCSELs with 66 GHz modulation bandwidth. <i>Optics Express</i> , 2007 , 15, 14810-6	3-3	45
128	Electrically tunable fast light at THz bandwidth using cascaded semiconductor optical amplifiers. <i>Optics Express</i> , 2007 , 15, 15863-7	3-3	8
127	Chirp-enhanced fast light in semiconductor optical amplifiers. <i>Optics Express</i> , 2007 , 15, 17631-8	3-3	10
126	Optoelectronic Oscillator Using Injection-Locked VCSELs. <i>Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS</i> , 2007 ,		4
125	Bandwidth Enhancement by Optical Amplitude and Phase Modulation of Injection-Locked Semiconductor Lasers 2007 ,		4
124	Slow light in semiconductor heterostructures. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, R93-R107	3	40
123	Fabrication and design of an integrable subwavelength ultrabroadband dielectric mirror. <i>Applied Physics Letters</i> , 2006 , 88, 031102	3-4	33
122	Improved semiconductor-laser dynamics from induced population pulsation. <i>IEEE Journal of Quantum Electronics</i> , 2006 , 42, 552-562	2	37
121	Microwave performance of optically injection-locked VCSELs. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2006 , 54, 788-796	4-1	71
120	Demonstration of piezoelectric actuated GaAs-based MEMS tunable VCSEL. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 1197-1199	2-2	20
119	50-GHz optically injection-locked 1.55- μm VCSELs. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 367-369	2-2	40
118	Correction to "Demonstration of Piezoelectric Actuated GaAs-Based MEMS Tunable VCSEL". <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 1475-1475	2-2	
117	Optically Injection-Locked 1.55- μm VCSELs as Upstream Transmitters in WDM-PONs. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 2371-2373	2-2	20
116	Novel modulated-master injection-locked 1.55- μm VCSELs. <i>Optics Express</i> , 2006 , 14, 10500-7	3-3	15
115	Experimental demonstration of slow and superluminal light in semiconductor optical amplifiers. <i>Optics Express</i> , 2006 , 14, 12968-75	3-3	23
114	Slow and Fast Light in Semiconductor Quantum-Well and Quantum-Dot Devices. <i>Journal of Lightwave Technology</i> , 2006 , 24, 4642-4654	4	77

113	Inducing electron spin coherence in GaAs quantum well waveguides: Spin coherence without spin precession. <i>Physical Review B</i> , 2005 , 72,	3.3	13
112	Ultraslow light (. <i>Applied Physics Letters</i> , 2005 , 87, 171102	3.4	38
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