

Charles Cañal

List of Publications by Year in descending order

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40
papers

449
citations

840585

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docs citations

40
times ranked

527
citing authors

#	ARTICLE	IF	CITATIONS
1	High-finesse Fabry-Perot cavities with bidimensional Si ₃ N ₄ photonic-crystal slabs. Light: Science and Applications, 2017, 6, e16190-e16190.	7.7	72
2	Liquid sensor based on high-Q slot photonic crystal cavity in silicon-on-insulator configuration. Optics Letters, 2014, 39, 5792.	1.7	58
3	Enhanced localization of light in slow wave slot photonic crystal waveguides. Optics Letters, 2012, 37, 3660.	1.7	46
4	Dispersion Engineering of Wide Slot Photonic Crystal Waveguides by Bragg-Like Corrugation of the Slot. IEEE Photonics Technology Letters, 2011, 23, 1298-1300.	1.3	43
5	Experimental GVD engineering in slow light slot photonic crystal waveguides. Scientific Reports, 2016, 6, 26956.	1.6	40
6	High-pulse-energy III-V-on-silicon-nitride mode-locked laser. APL Photonics, 2021, 6, .	3.0	29
7	Extreme optical confinement in a slotted photonic crystal waveguide. Applied Physics Letters, 2014, 105, 121111.	1.5	27
8	Short-Wavelength Light Propagation in Graded Photonic Crystals. Journal of Lightwave Technology, 2011, 29, 1937-1943.	2.7	26
9	Monolithically Integrated CMOS-Compatible III-V on Silicon Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-9.	1.9	24
10	High-Q silicon-on-insulator slot photonic crystal cavity infiltrated by a liquid. Applied Physics Letters, 2013, 103, .	1.5	22
11	Enhanced nonlinear interaction in a microcavity under coherent excitation. Optics Express, 2015, 23, 29964.	1.7	15
12	SOI Slotted Photonic Crystal Cavities Spanning From 1.3 to $1.6\text{-}\mu\text{m}$ With Q/V Factors Above 800 000. IEEE Photonics Technology Letters, 2015, 27, 2138-2141.	1.3	10
13	Wavelength Demultiplexer Based on a Two-Dimensional Graded Photonic Crystal. IEEE Photonics Technology Letters, 2011, 23, 1094-1096.	1.3	6
14	Dispersion engineered slot photonic crystal waveguides for slow light operation. Applied Physics A: Materials Science and Processing, 2012, 109, 895-899.	1.1	6
15	High efficiency asymmetric directional coupler for slow light slot photonic crystal waveguides. Optics Express, 2014, 22, 11021.	1.7	6
16	CMOS-Compatible Hybrid III-V/Si Photodiodes Using a Lateral Current Collection Scheme. , 2018, , .		6
17	Silicon slow light photonic crystals structures: present achievements and future trends. Frontiers of Optoelectronics in China, 2011, 4, 243-253.	0.2	4
18	Integrating III-V, Si, and polymer waveguides for optical interconnects: RAPIDO. , 2016, , .		4

#	ARTICLE	IF	CITATIONS
19	Large group-index bandwidth product empty core slow light photonic crystal waveguides for hybrid silicon photonics. <i>Frontiers of Optoelectronics</i> , 2014, 7, 376-384.	1.9	2
20	Slow light in slot photonic crystal waveguides by dispersion engineering. <i>Proceedings of SPIE</i> , 2012, , .	0.8	1
21	Slow light SOI slot photonic crystal waveguides with low loss. , 2014, , .		1
22	III-V-on-Silicon-Nitride Mode-Locked Laser with 2 pJ On-Chip Pulse Energy. , 2021, , .		1
23	Dispersion engineering of slot photonic crystal waveguides. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0
24	Engineered slot-comb photonic crystal waveguides. , 2012, , .		0
25	Giant dispersive properties of planar graded photonic crystals. , 2012, , .		0
26	Engineered SOI slot photonic crystal waveguides. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
27	Probing the transition between the long-wavelength and the short-wavelength regimes of light propagation in all-dielectric metamaterials. , 2013, , .		0
28	Ultra-low Volume Tunable Slot Photonic Crystal Cavities for Sensing. , 2014, , .		0
29	High-Q filled slot photonic crystal cavities on SOI for hybrid photonics. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
30	SOI slot photonic crystal cavities on SiO ₂ from $\lambda = 1.3 \mu\text{m}$ to $1.6 \mu\text{m}$. , 2015, , .		0
31	SOI slot photonic crystal heterostructure cavities in the $1.3 \mu\text{m}$ à $1.6 \mu\text{m}$ range for hybrid photonic integration. , 2015, , .		0
32	Photonic crystal slabs for optomechanics (Conference Presentation). , 2017, , .		0
33	Wide slot photonic crystal waveguides: dispersion engineering by modifying the slot shape itself. , 2012, , .		0
34	Dispersion engineered wide slot photonic crystal waveguides by Bragg-like corrugation of the slot to a comb. , 2012, , .		0
35	Design and fabrication of hollow core slow light slot photonic crystal waveguides for nonlinear optics. , 2013, , .		0
36	Comb Slow Wave Slot Photonic Crystal Waveguides for reinforcing nonlinear effects in silicon photonics. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
37	Efficient injection of light into slow light slot photonic crystal waveguides using an asymmetric directional coupler scheme. , 2013, , .		0
38	High-Q Comb Slot Photonic Crystal Cavities in SOI photonics. , 2013, , .		0
39	High-Q Comb Slot Photonic Crystal Cavities in SOI photonics. , 2013, , .		0
40	III-V-on-Silicon-Nitride Mode-Locked Lasers. , 2022, , .		0