

Cameron L C Smith

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,251
citations

331670

21
h-index

361022

35
g-index

51
all docs

51
docs citations

51
times ranked

1560
citing authors

#	ARTICLE	IF	CITATIONS
1	Photothermal Transport of DNA in Entropy-Landscape Plasmonic Waveguides. ACS Nano, 2017, 11, 4553-4563.	14.6	9
2	Electrospun Polymer Fiber Lasers for Applications in Vapor Sensing. Advanced Optical Materials, 2017, 5, 1700248.	7.3	17
3	Plasmonic Waveguide-Integrated Nanowire Laser. Nano Letters, 2017, 17, 747-754.	9.1	80
4	Nanoscale Plasmonic V-Groove Waveguides for the Interrogation of Single Fluorescent Bacterial Cells. Nano Letters, 2017, 17, 5481-5488.	9.1	10
5	Propagation of Channel Plasmons at the Visible Regime in Aluminum V-Groove Waveguides. ACS Photonics, 2016, 3, 2150-2157.	6.6	19
6	Excitation of surface plasmon polariton modes with multiple nitrogen vacancy centers in single nanodiamonds. Journal of Optics (United Kingdom), 2016, 18, 024002.	2.2	3
7	Optical sensors from electrohydrodynamic jetted polymer fiber resonators. , 2016, , .		0
8	Gap and channeled plasmons in tapered grooves: a review. Nanoscale, 2015, 7, 9355-9386.	5.6	125
9	All-polymer photonic crystal slab sensor. Optics Express, 2015, 23, 16529.	3.4	30
10	Refractive index dispersion sensing using an array of photonic crystal resonant reflectors. Applied Physics Letters, 2015, 107, 061101.	3.3	11
11	Accurate wavelength prediction of photonic crystal resonant reflection and applications in refractive index measurement. , 2014, , .		0
12	Absolute analytical prediction of photonic crystal guided mode resonance wavelengths. Applied Physics Letters, 2014, 105, 071103.	3.3	13
13	Random Cavity Lasing from Electrospun Polymer Fiber Networks. Advanced Materials, 2014, 26, 8096-8100.	21.0	44
14	Efficient Excitation of Channel Plasmons in Tailored, UV-Lithography-Defined V-Grooves. Nano Letters, 2014, 14, 1659-1664.	9.1	40
15	Controlled angular redirection of light via nanoimprinted disordered gratings. Applied Optics, 2013, 52, 709.	1.8	5
16	Nanoimprinted distributed feedback lasers comprising TiO ₂ thin films: Design guidelines for high performance sensing. Laser and Photonics Reviews, 2013, 7, 1036-1042.	8.7	21
17	Tailoring channeled plasmon polaritons in metallic V-grooves. , 2013, , .		0
18	Electrically modulated transparent liquid crystal -optical grating projection. Optics Express, 2013, 21, 1820.	3.4	4

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19	Plasmonic V-groove waveguides with Bragg grating filters via nanoimprint lithography. Optics Express, 2012, 20, 5696.	3.4	52
20	Emission wavelength of multilayer distributed feedback dye lasers. Applied Physics Letters, 2012, 101, 151123.	3.3	25
21	Sub-wavelength surface gratings for light redirection in transparent substrates. Applied Physics Letters, 2012, 101, 043109.	3.3	6
22	Enhanced transduction of photonic crystal dye lasers for gas sensing via swelling polymer film. Optics Letters, 2011, 36, 1392.	3.3	15
23	Reconfigurable photonic crystal circuits. Laser and Photonics Reviews, 2010, 4, 192-204.	8.7	35
24	Single mode dye-doped polymer photonic crystal lasers. Journal of Micromechanics and Microengineering, 2010, 20, 115025.	2.6	16
25	Influence of index contrast in two dimensional photonic crystal lasers. Applied Physics Letters, 2010, 96, 231115.	3.3	12
26	An Expanded k-Space Evanescent Coupling Technique for Characterizing Photonic Crystal Waveguides. , 2009, , .		0
27	Temperature stabilization of optofluidic photonic crystal cavities. Applied Physics Letters, 2009, 94, 231114.	3.3	32
28	Reconfigurable optofluidic silicon-based photonic crystal components. Proceedings of SPIE, 2009, , .	0.8	0
29	Chalcogenide glass photonic crystals. Photonics and Nanostructures - Fundamentals and Applications, 2008, 6, 3-11.	2.0	48
30	High-Q microfluidic cavities in silicon-based two-dimensional photonic crystal structures. Optics Letters, 2008, 33, 2206.	3.3	47
31	Characterizing photonic crystal waveguides with an expanded k-space evanescent coupling technique. Optics Express, 2008, 16, 13800.	3.4	31
32	Reconfigurable microfluidic photonic crystal slab cavities. Optics Express, 2008, 16, 15887.	3.4	65
33	Microfluidic cavities in silicon-based photonic crystal slab waveguides. , 2008, , .		0
34	Photo-induced cavities in chalcogenide photonic crystals. , 2008, , .		0
35	Reconfigurable silicon-based photonic crystal components using microfluidics. , 2008, , .		0
36	Reconfigurable microfluidic photonic crystal cavities. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
37	Microfluidic photonic crystal double heterostructures. Applied Physics Letters, 2007, 91, .	3.3	65
38	Nanowire Coupling to Photonic Crystal nanocavities for Single Photon Sources. , 2007, , .		0
39	Tuning of Photonic Crystal Nanocavity Resonances. , 2007, , .		0
40	Microfluidic photonic crystal nanocavities. , 2007, , .		0
41	Nanowire coupling to photonic crystal nanocavities for single photon sources. Optics Express, 2007, 15, 1267.	3.4	56
42	Photosensitive post tuning of chalcogenide photonic crystal waveguides. Optics Express, 2007, 15, 1277.	3.4	81
43	Nanowire coupling to photonic crystal nanocavities for single photon sources. , 2007, , .		1
44	Frontiers in microphotronics: tunability and all-optical control. Laser Physics Letters, 2007, 4, 177-186.	1.4	22
45	Characterisation of chalcogenide 2D photonic crystal waveguides and nanocavities using silica fibre nanowires. Physica B: Condensed Matter, 2007, 394, 289-292.	2.7	6
46	Nonlinear photonic crystals in chalcogenide for all-optical processing. , 2006, , .		0
47	Efficient coupling to chalcogenide glass photonic crystal waveguides via silica optical fiber nanowires. Optics Express, 2006, 14, 1070.	3.4	77
48	Coupling via Tapered Nanowire Micro-Loops to Photonic Crystal Nanocavities for Single-Photon Source Applications. , 2006, , .		0
49	Tapered photonic crystal fibres: properties, characterisation and applications. Applied Physics B: Lasers and Optics, 2005, 81, 377-387.	2.2	78
50	Leakage of the fundamental mode in photonic crystal fiber tapers. Optics Letters, 2005, 30, 1123.	3.3	50