

Graham D Marshall

List of Publications by Year in descending order

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59
papers

3,254
citations

279798

23
h-index

395702

33
g-index

59
all docs

59
docs citations

59
times ranked

3205
citing authors

#	ARTICLE	IF	CITATIONS
1	Universal linear optics. <i>Science</i> , 2015, 349, 711-716.	12.6	771
2	Large-scale silicon quantum photonics implementing arbitrary two-qubit processing. <i>Nature Photonics</i> , 2018, 12, 534-539.	31.4	384
3	Laser written waveguide photonic quantum circuits. <i>Optics Express</i> , 2009, 17, 12546.	3.4	254
4	Point-by-point written fiber-Bragg gratings and their application in complex grating designs. <i>Optics Express</i> , 2010, 18, 19844.	3.4	186
5	Cladding mode coupling in highly localized fiber Bragg gratings: modal properties and transmission spectra. <i>Optics Express</i> , 2011, 19, 325.	3.4	161
6	Direct laser written waveguide-Bragg gratings in bulk fused silica. <i>Optics Letters</i> , 2006, 31, 2690.	3.3	158
7	Slow-light enhanced correlated photon pair generation in a silicon photonic crystal waveguide. <i>Optics Letters</i> , 2011, 36, 3413.	3.3	130
8	Directly written monolithic waveguide laser incorporating a distributed feedback waveguide-Bragg grating. <i>Optics Letters</i> , 2008, 33, 956.	3.3	101
9	Investigation of Ultrafast Laser-Photonic Material Interactions: Challenges for Directly Written Glass Photonics. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2008, 14, 1370-1381.	2.9	100
10	Femtosecond laser modification of fused silica: the effect of writing polarization on Si-O ring structure. <i>Optics Express</i> , 2008, 16, 20029.	3.4	84
11	An integrated optical modulator operating at cryogenic temperatures. <i>Nature Materials</i> , 2020, 19, 1164-1168.	27.5	82
12	Narrow linewidth, 100 W cw Yb ³⁺ -doped silica fiber laser with a point-by-point Bragg grating inscribed directly into the active core. <i>Optics Letters</i> , 2007, 32, 2804.	3.3	81
13	Polarization-dependent effects in point-by-point fiber Bragg gratings enable simple, linearly polarized fiber lasers. <i>Optics Express</i> , 2009, 17, 6082.	3.4	81
14	Monolithic 100 mW Yb waveguide laser fabricated using the femtosecond-laser direct-write technique. <i>Optics Letters</i> , 2009, 34, 247.	3.3	78
15	Optical loss mechanisms in femtosecond laser-written point-by-point fibre Bragg gratings. <i>Optics Express</i> , 2008, 16, 14248.	3.4	69
16	Point-by-point inscription of apodized fiber Bragg gratings. <i>Optics Letters</i> , 2011, 36, 2988.	3.3	66
17	All-optical, actively Q-switched fiber laser. <i>Optics Express</i> , 2010, 18, 7714.	3.4	55
18	Cladding mode coupling in highly localized fiber Bragg gratings II: complete vectorial analysis. <i>Optics Express</i> , 2012, 20, 21434.	3.4	54

#	ARTICLE	IF	CITATIONS
19	Ultrafast Laser Inscription in Soft Glasses: A Comparative Study of Athermal and Thermal Processing Regimes for Guided Wave Optics. International Journal of Applied Glass Science, 2012, 3, 332-348.	2.0	48
20	Adaptive optics for direct laser writing with plasma emission aberration sensing. Optics Express, 2010, 18, 656.	3.4	47
21	Non-classical interference in integrated 3D multiports. Optics Express, 2012, 20, 26895.	3.4	44
22	Mechanism of femtosecond-laser induced refractive index change in phosphate glass under a low repetition-rate regime. Journal of Applied Physics, 2010, 108, .	2.5	41
23	Optimizing the net reflectivity of point-by-point fiber Bragg gratings: the role of scattering loss. Optics Express, 2012, 20, 13451.	3.4	38
24	Characteristics of Correlated Photon Pairs Generated in Ultracompact Silicon Slow-Light Photonic Crystal Waveguides. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 1676-1683.	2.9	23
25	Engineering integrated photonics for heralded quantum gates. Scientific Reports, 2016, 6, 25126.	3.3	20
26	Three-dimensional imaging of direct-written photonic structures. Optics Letters, 2011, 36, 695.	3.3	19
27	Linearly polarized fiber laser using a point-by-point Bragg grating in a single-polarization photonic bandgap fiber. Optics Letters, 2011, 36, 1872.	3.3	18
28	Ultrafast laser-written dual-wavelength waveguide laser. Optics Letters, 2012, 37, 993.	3.3	14
29	Quantum Logic with Cavity Photons From Single Atoms. Physical Review Letters, 2016, 117, 023602.	7.8	11
30	Mode selective fiber Bragg gratings. , 2010, , .		9
31	Control of light transmission in laser-written phase-shifted Bragg grating couplers. Optics Letters, 2011, 36, 1380.	3.3	6
32	Fibre Grating Inscription and Applications. Topics in Applied Physics, 2012, , 197-225.	0.8	5
33	A micro-optical module for multi-wavelength addressing of trapped ions. Quantum Science and Technology, 2021, 6, 024007.	5.8	5
34	Photodarkening study of gratings written into rare-earth doped optical fibres using a femtosecond laser. , 2007, , .		4
35	Photo-annealing of femtosecond laser written Bragg gratings. , 2008, , .		2
36	Theoretical modeling and experiments on a DBR waveguide laser fabricated by the femtosecond laser direct-write technique. Optics Express, 2013, 21, 17701.	3.4	2

#	ARTICLE	IF	CITATIONS
37	Modeling of apodized point-by-point fiber Bragg gratings. , 2011, , .		1
38	Improved CAR and noise analysis for photon-pair generation in an ultra-compact silicon slow-light photonic crystal waveguide. , 2011, , .		1
39	Ultrafast-Laser Inscription of Active Devices in Glass. , 2009, , .		1
40	Simple method enabling pulse on command from high power, high frequency lasers. Review of Scientific Instruments, 2006, 77, 093103.	1.3	0
41	Narrow (100 pm) Linewidth Fibre Laser Operating in Excess of 50 W. , 2007, , .		0
42	Direct writing of planar lightwave devices using ultrafast lasers. , 2007, , .		0
43	Tunable spectral enhancement of supercontinuum with long-period gratings. , 2007, , .		0
44	Large diffractive scattering losses in the visible region produced by femtosecond laser written Bragg gratings. , 2008, , .		0
45	Polarised high power fibre lasers by combining low birefringence fibres and point-by-point Bragg gratings. , 2008, , .		0
46	Photo-erasure of type-II femtosecond laser written Bragg gratings employed as high reflectors in moderate power Q-switch fibre laser. Proceedings of SPIE, 2009, , .	0.8	0
47	Performance studies of directly written high power monolithic ytterbium waveguide oscillators. , 2009, , .		0
48	Optically switched erbium fiber laser using a tunable fiber-Bragg grating. , 2010, , .		0
49	Directly Written DFB Waveguide Lasers Using Femtosecond Laser Pulses. , 2010, , .		0
50	Dual wavelength waveguide lasers fabricated using femtosecond laser inscription in Yb doped phosphate glass. , 2011, , .		0
51	Apodized point-by-point fiber-Bragg gratings. , 2011, , .		0
52	Recent developments in dual-wavelength DFB waveguide lasers fabricated by femtosecond laser pulses. , 2011, , .		0
53	Polarization dependent coupling in waveguide arrays. , 2011, , .		0
54	Maximisation of Quantum Correlations under Local Filtering Operations. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
55	Ultrafast Laser Written 102 mW Monolithic Waveguide Laser in Yb-doped Phosphate Glass. , 2009, , .		0
56	Polarization Dependence of Photo-Ionization in Glasses and Applications to Direct-write Photonics. , 2009, , .		0
57	Direct laser written couplers with shifted Bragg gratings. , 2010, , .		0
58	Femtosecond Laser Written Bragg Gratings. , 2010, , .		0
59	Apodized Point-by-Point Fiber Bragg Gratings In An All-Optical, Actively Q-switched All-Fibre Laser. , 2012, , .		0