

Martin Kristensen

List of Publications by Year in descending order

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52
papers

1,482
citations

687363

13
h-index

434195

31
g-index

52
all docs

52
docs citations

52
times ranked

1879
citing authors

#	ARTICLE	IF	CITATIONS
1	Strained silicon as a new electro-optic material. Nature, 2006, 441, 199-202.	27.8	599
2	Photonic-crystal waveguide biosensor. Optics Express, 2007, 15, 3169.	3.4	287
3	Photonic crystal and quantum dot technologies for all-optical switch and logic device. New Journal of Physics, 2006, 8, 208-208.	2.9	126
4	Near-field imaging of light propagation in photonic crystal waveguides: Explicit role of Bloch harmonics. Physical Review B, 2002, 66, .	3.2	73
5	Continuous anneal method for characterizing the thermal stability of ultraviolet Bragg gratings. Journal of Applied Physics, 2000, 88, 1050-1055.	2.5	49
6	1x3 beam splitter for TE polarization based on self-imaging phenomena in photonic crystal waveguides. Optics Express, 2010, 18, 14944.	3.4	40
7	Refractive Index Measurement within a Photonic Crystal Fibre Based on Short Wavelength Diffraction. Sensors, 2007, 7, 2492-2498.	3.8	26
8	Second-harmonic imaging of poled silica waveguides. Applied Physics Letters, 2000, 76, 25-27.	3.3	25
9	Direct mapping of light propagation in photonic crystal waveguides. Optics Communications, 2002, 212, 51-55.	2.1	25
10	Fiber-optical grating sensors for wind turbine blades: a review. Optical Engineering, 2013, 52, 030901.	1.0	25
11	Direct Observation of Surface Mode Excitation and Slow Light Coupling in Photonic Crystal Waveguides. Nano Letters, 2007, 7, 2341-2345.	9.1	19
12	Efficient iterative technique for designing Bragg gratings. Optics Letters, 2004, 29, 23.	3.3	17
13	Polarization control method for ultraviolet writing of advanced Bragg gratings. Optics Letters, 2002, 27, 1004.	3.3	16
14	Fine structure of the lowest triplet states in He2. Journal of Chemical Physics, 1990, 93, 983-990.	3.0	13
15	Planar glass devices for efficient periodic poling. Optics Express, 2005, 13, 8514.	3.4	13
16	Generation of a frequency comb with a double acousto-optic modulator ring. Applied Optics, 1992, 31, 4911.	2.1	12
17	Second-harmonic scanning optical microscopy of poled silica waveguides. Journal of Applied Physics, 2000, 88, 3872.	2.5	12
18	Poled-glass devices: influence of surfaces and interfaces. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 1075.	2.1	12

#	ARTICLE	IF	CITATIONS
19	Mapping the broadband polarization properties of linear 2D SOI photonic crystal waveguides. Optics Express, 2007, 15, 15603.	3.4	9
20	Self-assembled porphyrin microrods and observation of structure-induced iridescence. Journal of Materials Chemistry, 2010, 20, 2310.	6.7	9
21	The change of electric field and of some other insulating properties during isochronal annealing in thermally poled Ge-doped silica films. Applied Physics Letters, 2005, 87, 121906.	3.3	8
22	Direct slow-light excitation in photonic crystal waveguides forming ultra-compact splitters. Optics Express, 2011, 19, 7120.	3.4	8
23	Spatial variation of the etch rate for deep etching of silicon by reactive ion etching. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1997, 15, 993.	1.6	7
24	Lifetime determination of the long-lived B $1\hat{1}g$ state in He2* by photofragment spectroscopy. Chemical Physics Letters, 1989, 164, 600-604.	2.6	6
25	Determination of the transition dipole moment $\hat{1}^{1/4}i\hat{1}^{+}b(R)$ in H2 from the measurement of vibrational wave functions. Journal of Chemical Physics, 1990, 93, 3887-3890.	3.0	6
26	Fabrication of advanced Bragg gratings with complex apodization profiles by use of the polarization control method. Applied Optics, 2004, 43, 3513.	2.1	6
27	<title>Phenomenological model of UV-induced Bragg grating growth in germanosilicate fibers</title>. , 1997, 2998, 11.		5
28	Photonic Crystal Biosensor Chip for Label-Free Detection of Bacteria. , 2011, , .		4
29	UV-written Y-splitter in Ge-doped silica. , 1996, , .		3
30	Effects of Fiber Core Concentricity Error and UV Illumination Direction on the Bend Direction Asymmetry of Long-Period Gratings. , 1999, , BD2.		3
31	Spectrally narrow polarisation conversion in a slow-light photonic crystal waveguide. Journal of the European Optical Society-Rapid Publications, 0, 4, .	1.9	3
32	Relaxed fabrication tolerance for self-imaging photonic crystal waveguide splitters using a tapered multimode interference region. Optics Letters, 2011, 36, 3058.	3.3	3
33	Fabricating Nanoporous Silica Structure on D-Fibres through Room Temperature Self-Assembly. Materials, 2014, 7, 2356-2369.	2.9	3
34	Topology-optimized and dispersion-tailored photonic crystal slow-light devices. Proceedings of SPIE, 2007, , .	0.8	2
35	A fluorescence study of self-assembled silica layers on D-shaped optical fibre. , 2013, , .		2
36	Beam dynamics and laser cooling of stored ions. AIP Conference Proceedings, 1993, , .	0.4	1

#	ARTICLE	IF	CITATIONS
37	Topology Optimization for Photonic Crystal Waveguide with Wide and Flat Bandwidths in Ultra-Fast All-Optical Switch (PC-SMZ). , 2006, , .		1
38	Generation of ultra-narrow sensing filters using cross polarisation in a linear SOI photonic crystal waveguide. , 2008, , .		1
39	Optical sensor technology for simultaneous measurement of particle speed and concentration of micro sized particles. , 2013, , .		1
40	Long-period gratings in special geometry fibers for high-resolution and selective sensors. Optical Engineering, 2014, 53, 066109.	1.0	1
41	A Multicore Fiber Sensor for Monitoring Twists of Wind Turbine Parts. , 2016, , .		1
42	Phosphorus-doped thin silica films characterized by magic-angle spinning nuclear magnetic resonance spectroscopy. Journal of Applied Physics, 2001, 89, 4134-4138.	2.5	0
43	Advances with silica-on-silicon planar waveguides. , 2003, 4987, 126.		0
44	Refractive index measurement within a photonic crystal fibre based on short wavelength diffraction. , 2006, , .		0
45	Protein detection with a planar photonic-crystal sensor. , 2007, , .		0
46	Low-loss transmission band in photonic crystal waveguides with sharp cutoff at a frequency below the bandgap. Optics Communications, 2011, 284, 5434-5439.	2.1	0
47	Exploring the room temperature self-assembly of silica nanoparticle layers on optical fibres. Proceedings of SPIE, 2013, , .	0.8	0
48	Direct Embedding of Fiber-Optical Load Sensors into Wind Turbine Blades. , 2013, , .		0
49	A flexible approach for the apodization of planar waveguide Bragg gratings. , 2003, , .		0
50	New iterative approach for designing Bragg gratings. , 2003, , .		0
51	Low Activation Energy for Decay of Stable Electro-Optic Effect in Poled Glass. , 1999, , .		0
52	Weakly Polarization Dependent Electro-Optic Effect in Poled Silica. , 1999, , .		0