

# 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	A Multicore Fiber Sensor for Monitoring Twists of Wind Turbine Parts. , 2016, , .		1
2	Fabricating Nanoporous Silica Structure on D-Fibres through Room Temperature Self-Assembly. Materials, 2014, 7, 2356-2369.	2.9	3
3	Long-period gratings in special geometry fibers for high-resolution and selective sensors. Optical Engineering, 2014, 53, 066109.	1.0	1
4	Optical sensor technology for simultaneous measurement of particle speed and concentration of micro sized particles. , 2013, , .		1
5	Exploring the room temperature self-assembly of silica nanoparticle layers on optical fibres. Proceedings of SPIE, 2013, , .	0.8	0
6	Fiber-optical grating sensors for wind turbine blades: a review. Optical Engineering, 2013, 52, 030901.	1.0	25
7	A fluorescence study of self-assembled silica layers on D-shaped optical fibre. , 2013, , .		2
8	Direct Embedding of Fiber-Optical Load Sensors into Wind Turbine Blades. , 2013, , .		0
9	Direct slow-light excitation in photonic crystal waveguides forming ultra-compact splitters. Optics Express, 2011, 19, 7120.	3.4	8
10	Relaxed fabrication tolerance for self-imaging photonic crystal waveguide splitters using a tapered multimode interference region. Optics Letters, 2011, 36, 3058.	3.3	3
11	Photonic Crystal Biosensor Chip for Label-Free Detection of Bacteria. , 2011, , .		4
12	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
13	1x3 beam splitter for TE polarization based on self-imaging phenomena in photonic crystal waveguides. Optics Express, 2010, 18, 14944.	3.4	40
14	Self-assembled porphyrin microrods and observation of structure-induced iridescence. Journal of Materials Chemistry, 2010, 20, 2310.	6.7	9
15	Generation of ultra-narrow sensing filters using cross polarisation in a linear SOI photonic crystal waveguide. , 2008, , .		1
16	Protein detection with a planar photonic-crystal sensor. , 2007, , .		0
17	Topology-optimized and dispersion-tailored photonic crystal slow-light devices. Proceedings of SPIE, 2007, , .	0.8	2
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	Photonic-crystal waveguide biosensor. <i>Optics Express</i> , 2007, 15, 3169.	3.4	287
20	Mapping the broadband polarization properties of linear 2D SOI photonic crystal waveguides. <i>Optics Express</i> , 2007, 15, 15603.	3.4	9
21	Direct Observation of Surface Mode Excitation and Slow Light Coupling in Photonic Crystal Waveguides. <i>Nano Letters</i> , 2007, 7, 2341-2345.	9.1	19
22	Refractive Index Measurement within a Photonic Crystal Fibre Based on Short Wavelength Diffraction. <i>Sensors</i> , 2007, 7, 2492-2498.	3.8	26
23	Photonic crystal and quantum dot technologies for all-optical switch and logic device. <i>New Journal of Physics</i> , 2006, 8, 208-208.	2.9	126
24	Strained silicon as a new electro-optic material. <i>Nature</i> , 2006, 441, 199-202.	27.8	599
25	Topology Optimization for Photonic Crystal Waveguide with Wide and Flat Bandwidths in Ultra-Fast All-Optical Switch (PC-SMZ). , 2006, , .		1
26	Refractive index measurement within a photonic crystal fibre based on short wavelength diffraction. , 2006, , .		0
27	The change of electric field and of some other insulating properties during isochronal annealing in thermally poled Ge-doped silica films. <i>Applied Physics Letters</i> , 2005, 87, 121906.	3.3	8
28	Planar glass devices for efficient periodic poling. <i>Optics Express</i> , 2005, 13, 8514.	3.4	13
29	Fabrication of advanced Bragg gratings with complex apodization profiles by use of the polarization control method. <i>Applied Optics</i> , 2004, 43, 3513.	2.1	6
30	Efficient iterative technique for designing Bragg gratings. <i>Optics Letters</i> , 2004, 29, 23.	3.3	17
31	Advances with silica-on-silicon planar waveguides. , 2003, 4987, 126.		0
32	A flexible approach for the apodization of planar waveguide Bragg gratings. , 2003, , .		0
33	New iterative approach for designing Bragg gratings. , 2003, , .		0
34	Near-field imaging of light propagation in photonic crystal waveguides: Explicit role of Bloch harmonics. <i>Physical Review B</i> , 2002, 66, .	3.2	73
35	Polarization control method for ultraviolet writing of advanced Bragg gratings. <i>Optics Letters</i> , 2002, 27, 1004.	3.3	16
36	Direct mapping of light propagation in photonic crystal waveguides. <i>Optics Communications</i> , 2002, 212, 51-55.	2.1	25

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37	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
38	Continuous anneal method for characterizing the thermal stability of ultraviolet Bragg gratings. Journal of Applied Physics, 2000, 88, 1050-1055.	2.5	49
39	Second-harmonic imaging of poled silica waveguides. Applied Physics Letters, 2000, 76, 25-27.	3.3	25
40	Second-harmonic scanning optical microscopy of poled silica waveguides. Journal of Applied Physics, 2000, 88, 3872.	2.5	12
41	Effects of Fiber Core Concentricity Error and UV Illumination Direction on the Bend Direction Asymmetry of Long-Period Gratings. , 1999, , BD2.		3
42	Low Activation Energy for Decay of Stable Electro-Optic Effect in Poled Glass. , 1999, , .		0
43	Weakly Polarization Dependent Electro-Optic Effect in Poled Silica. , 1999, , .		0
44	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
45	<title>Phenomenological model of UV-induced Bragg grating growth in germanosilicate fibers</title>. , 1997, 2998, 11.		5
46	UV-written Y-splitter in Ge-doped silica. , 1996, , .		3
47	Beam dynamics and laser cooling of stored ions. AIP Conference Proceedings, 1993, , .	0.4	1
48	Generation of a frequency comb with a double acousto-optic modulator ring. Applied Optics, 1992, 31, 4911.	2.1	12
49	Determination of the transition dipole moment $\hat{\mu}_{i\hat{a}i\hat{b}}(R)$ in H <sub>2</sub> from the measurement of vibrational wave functions. Journal of Chemical Physics, 1990, 93, 3887-3890.	3.0	6
50	Fine structure of the lowest triplet states in He <sub>2</sub> . Journal of Chemical Physics, 1990, 93, 983-990.	3.0	13
51	Lifetime determination of the long-lived B $1\hat{g}$ state in He <sub>2</sub> * by photofragment spectroscopy. Chemical Physics Letters, 1989, 164, 600-604.	2.6	6
52	Spectrally narrow polarisation conversion in a slow-light photonic crystal waveguide. Journal of the European Optical Society-Rapid Publications, 0, 4, .	1.9	3