

Kyriacos Kalli

List of Publications by Year in descending order

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188
papers

3,818
citations

117625

34
h-index

144013

57
g-index

189
all docs

189
docs citations

189
times ranked

2316
citing authors

#	ARTICLE	IF	CITATIONS
1	Humidity insensitive TOPAS polymer fiber Bragg grating sensor. Optics Express, 2011, 19, 19731.	3.4	236
2	Continuous wave ultraviolet light-induced fiber Bragg gratings in few- and single-mode microstructured polymer optical fibers. Optics Letters, 2005, 30, 3296.	3.3	182
3	Femtosecond Laser Inscribed Bragg Gratings in Low Loss CYTOP Polymer Optical Fiber. IEEE Photonics Technology Letters, 2015, 27, 693-696.	2.5	146
4	Highly Sensitive Bend Sensor Based on Bragg Grating in Eccentric Core Polymer Fiber. IEEE Photonics Technology Letters, 2010, 22, 850-852.	2.5	126
5	Thermal response of Bragg gratings in PMMA microstructured optical fibers. Optics Express, 2007, 15, 8844.	3.4	119
6	Plane-by-Plane Femtosecond Laser Inscription Method for Single-Peak Bragg Gratings in Multimode CYTOP Polymer Optical Fiber. Journal of Lightwave Technology, 2017, 35, 5404-5410.	4.6	103
7	Optical fibre Bragg grating recorded in TOPAS cyclic olefin copolymer. Electronics Letters, 2011, 47, 271.	1.0	92
8	Simultaneous Measurement of Axial Strain, Bending and Torsion With a Single Fiber Bragg Grating in CYTOP Fiber. Journal of Lightwave Technology, 2019, 37, 971-980.	4.6	85
9	Measured sensitivity of arc-induced long-period grating sensors in photonic crystal fibre. Optics Communications, 2006, 260, 184-191.	2.1	84
10	Point-by-point fiber Bragg grating inscription in free-standing step-index and photonic crystal fibers using near-IR femtosecond laser. Optics Letters, 2010, 35, 1647.	3.3	78
11	Polymer Optical Fiber Bragg Gratings in CYTOP Fibers for Angle Measurement with Dynamic Compensation. Polymers, 2018, 10, 674.	4.5	76
12	Fibre Bragg Gratings. , 2006, , 189-269.		75
13	Modified fs-Laser Inscribed FBG Array for Rapid Mode Shape Capture of Free-Free Vibrating Beams. IEEE Photonics Technology Letters, 2016, 28, 1509-1512.	2.5	75
14	Direct writing of plane-by-plane tilted fiber Bragg gratings using a femtosecond laser. Optics Letters, 2017, 42, 5198.	3.3	75
15	POFBG-Embedded Cork Insole for Plantar Pressure Monitoring. Sensors, 2017, 17, 2924.	3.8	75
16	Compensation Method for Temperature Cross-Sensitivity in Transverse Force Applications With FBG Sensors in POFs. Journal of Lightwave Technology, 2018, 36, 3660-3665.	4.6	74
17	Sensitivity of LPGs in PCFs Fabricated by an Electric Arc to Temperature, Strain, and External Refractive Index. Journal of Lightwave Technology, 2007, 25, 1306-1312.	4.6	70
18	Quasi-Distributed Torque and Displacement Sensing on a Series Elastic Actuator's Spring Using FBG Arrays Inscribed in CYTOP Fibers. IEEE Sensors Journal, 2019, 19, 4054-4061.	4.7	70

#	ARTICLE	IF	CITATIONS
19	Photonic gas sensors exploiting directly the optical properties of hybrid carbon nanotube localized surface plasmon structures. <i>Light: Science and Applications</i> , 2016, 5, e16036-e16036.	16.6	67
20	Characterization of a new polymer optical fiber with enhanced sensing capabilities using a Bragg grating. <i>Optics Letters</i> , 2018, 43, 4799.	3.3	66
21	Long period gratings written into a photonic crystal fibre by a femtosecond laser as directional bend sensors. <i>Optics Communications</i> , 2008, 281, 5092-5096.	2.1	65
22	Fiber Bragg Gratings in CYTOP Fibers Embedded in a 3D-Printed Flexible Support for Assessment of Human-Robot Interaction Forces. <i>Materials</i> , 2018, 11, 2305.	2.9	60
23	Recent trends and advances of fibre Bragg grating sensors in CYTOP polymer optical fibres. <i>Optical Fiber Technology</i> , 2020, 54, 102079.	2.7	58
24	Carbon Cantilever Beam Health Inspection Using a Polymer Fiber Bragg Grating Array. <i>Journal of Lightwave Technology</i> , 2018, 36, 986-992.	4.6	54
25	Pressure Dependence of Fiber Bragg Grating Inscribed in Perfluorinated Polymer Fiber. <i>IEEE Photonics Technology Letters</i> , 2017, 29, 2167-2170.	2.5	53
26	827-nm Bragg grating sensor in multimode microstructured polymer optical fibre. <i>Electronics Letters</i> , 2010, 46, 1217.	1.0	47
27	Bragg Gratings and Fabry-Perot Cavities in Low-Loss Multimode CYTOP Polymer Fiber. <i>IEEE Photonics Technology Letters</i> , 2018, 30, 857-860.	2.5	47
28	Distributed polymer optical fiber sensors: a review and outlook. <i>Photonics Research</i> , 2021, 9, 1719.	7.0	47
29	Characterisation and performance of a Terfenol-D coated femtosecond laser inscribed optical fibre Bragg sensor with a laser ablated microslot for the detection of static magnetic fields. <i>Optics Express</i> , 2011, 19, 363.	3.4	45
30	Optimization of a horizontal slot waveguide biosensor to detect DNA hybridization. <i>Applied Optics</i> , 2015, 54, 4881.	2.1	45
31	Laser structuring, stress modification and Bragg grating inscription in silicon-core glass fibers. <i>Optical Materials Express</i> , 2017, 7, 1589.	3.0	43
32	Femtosecond laser inscribed Bragg grating arrays in long lengths of polymer optical fibres; a route to practical sensing with POF. <i>Electronics Letters</i> , 2016, 52, 1626-1627.	1.0	41
33	Spatially-multiplexed fibre-optic Bragg grating strain and temperature sensor system based on interferometric wavelength-shift detection. <i>Electronics Letters</i> , 1995, 31, 1009-1010.	1.0	39
34	Characterization of reflectivity inversion, $\hat{1}\pm$ - and $\hat{1}^2$ -phase transitions and nanostructure formation in hydrogen activated thin Pd films on silicon based substrates. <i>Journal of Applied Physics</i> , 2002, 91, 3829-3840.	2.5	39
35	Long period grating in a multimode cyclic transparent optical polymer fiber inscribed using a femtosecond laser. <i>Optics Letters</i> , 2019, 44, 5346.	3.3	36
36	Recent Improvement of Medical Optical Fibre Pressure and Temperature Sensors. <i>Biosensors</i> , 2015, 5, 432-449.	4.7	35

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37	Ring resonator optical spectrum analyzer with 20-kHz resolution. <i>Optics Letters</i> , 1992, 17, 1090.	3.3	34
38	Synergistic effects of buffer layer processing additives for enhanced hole carrier selectivity in inverted Organic Photovoltaics. <i>Organic Electronics</i> , 2013, 14, 3123-3130.	2.6	32
39	Electrically tunable Bragg gratings in single-mode polymer optical fiber. <i>Optics Letters</i> , 2007, 32, 214.	3.3	31
40	Flat fibre and femtosecond laser technology as a novel photonic integration platform for optofluidic based biosensing devices and lab-on-chip applications: Current results and future perspectives. <i>Sensors and Actuators B: Chemical</i> , 2015, 209, 1030-1040.	7.8	31
41	Development of an electrically tuneable Bragg grating filter in polymer optical fibre operating at 1.55 μm . <i>Measurement Science and Technology</i> , 2007, 18, 3155-3164.	2.6	29
42	Accurate and Fast Demodulation Algorithm for Multiplexed FBG Reflection Spectra Using a Combination of Cross Correlation and Hilbert Transformation. <i>Journal of Lightwave Technology</i> , 2017, 35, 3956-3962.	4.6	28
43	Optimizing Linearity and Sensitivity of 3D-Printed Diaphragms With Chirped FBGs in CYTOP Fibers. <i>IEEE Access</i> , 2020, 8, 31983-31991.	4.2	28
44	CYTOP Fibre Bragg Grating Sensors for Harsh Radiation Environments. <i>Sensors</i> , 2019, 19, 2853.	3.8	27
45	Characterizing femtosecond laser inscribed Bragg grating spectra. <i>Optics Express</i> , 2011, 19, 342.	3.4	26
46	Formation and Characterization of Ultra-Sensitive Surface Plasmon Resonance Sensor Based Upon a Nano-Scale Corrugated Multi-Layered Coated D-Shaped Optical Fiber. <i>IEEE Journal of Quantum Electronics</i> , 2012, 48, 394-405.	1.9	25
47	Femtosecond-Laser-Based Inscription Technique for Post-Fiber-Bragg Grating Inscription in an Extrinsic Fabry-Pérot Interferometer Pressure Sensor. <i>IEEE Sensors Journal</i> , 2016, 16, 3396-3402.	4.7	25
48	All-in-Fiber Cladding Interferometric and Bragg Grating Components Made via Plane-by-Plane Femtosecond Laser Inscription. <i>Journal of Lightwave Technology</i> , 2019, 37, 4864-4871.	4.6	24
49	Multiplexed FBG sensor recorded in multimode microstructured polymer optical fibre. <i>Proceedings of SPIE</i> , 2010, , .	0.8	23
50	Spectral characteristics and thermal evolution of long-period gratings in photonic crystal fibers fabricated with a near-IR radiation femtosecond laser using point-by-point inscription. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011, 28, 2105.	2.1	23
51	Optical sensors for bond-slip characterization and monitoring of RC structures. <i>Sensors and Actuators A: Physical</i> , 2018, 280, 332-339.	4.1	23
52	Simultaneous interrogation of interferometric and Bragg grating sensors. <i>Optics Letters</i> , 1995, 20, 1340.	3.3	22
53	Plane-by-Plane Written, Low-Loss Polymer Optical Fiber Bragg Grating Arrays for Multiparameter Sensing in a Smart Walker. <i>IEEE Sensors Journal</i> , 2019, 19, 9221-9228.	4.7	22
54	Blank beam fabrication of regenerated type IA gratings. <i>Measurement Science and Technology</i> , 2004, 15, 1665-1669.	2.6	21

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55	FPI-POFBG Angular Movement Sensor Inscribed in CYTOP Fibers With Dynamic Angle Compensator. IEEE Sensors Journal, 2020, 20, 5962-5969.	4.7	21
56	Hydrostatic pressure sensing using a polymer optical fibre Bragg gratings. Proceedings of SPIE, 2012, , .	0.8	19
57	Multimode Fiber Interferometer Based on Graded-Index Polymer CYTOP Fiber. Journal of Lightwave Technology, 2020, 38, 1439-1445.	4.6	19
58	Fiber frequency shifter based on generation of stimulated Brillouin scattering in high-finesse ring resonators. Optics Letters, 1991, 16, 1538.	3.3	18
59	Analysis of the dynamic response of a ring resonator to a time-varying input signal. Optics Letters, 1993, 18, 465.	3.3	18
60	Optically thin palladium films on silicon-based substrates and nanostructure formation: effects of hydrogen. Applied Surface Science, 2000, 161, 54-60.	6.1	18
61	Instrumentation for the monitoring of toxic pollutants in water resources by means of neural network analysis of absorption and fluorescence spectra. Sensors and Actuators B: Chemical, 2007, 121, 231-237.	7.8	18
62	Er/Yb Double-Clad Fiber Laser With fs-Laser Inscribed Plane-by-Plane Chirped FBG Laser Mirrors. IEEE Photonics Technology Letters, 2019, 31, 409-412.	2.5	18
63	Thermal Treatments and Compensation Techniques for the Improved Response of FBG Sensors in POFs. Journal of Lightwave Technology, 2018, 36, 3611-3617.	4.6	15
64	All fiber mode-locked thulium-doped fiber laser using a novel femtosecond-laser-inscribed 45Å°-plane-by-plane-tilted fiber grating. Laser Physics Letters, 2019, 16, 095104.	1.4	14
65	Wavelength-division and spatial multiplexing using tandem interferometers for Bragg grating sensor networks. Optics Letters, 1995, 20, 2544.	3.3	13
66	Temperature sensitivity of Bragg gratings in PMMA and TOPAS microstructured polymer optical fibres. Proceedings of SPIE, 2008, , .	0.8	13
67	Real-time kinetic binding studies at attomolar concentrations in solution phase using a single-stage opto-biosensing platform based upon infrared surface plasmons. Optics Express, 2017, 25, 39.	3.4	13
68	Bragg Gratings Inscribed in Solid-Core Microstructured Single-Mode Polymer Optical Fiber Drawn From a 3D-Printed Polycarbonate Preform. IEEE Sensors Journal, 2020, 20, 12744-12757.	4.7	13
69	Single Peak Fiber Bragg Grating Sensors in Tapered Multimode Polymer Optical Fibers. Journal of Lightwave Technology, 2021, 39, 6934-6941.	4.6	13
70	Polymer Fiber Bragg Gratings. , 2011, , 292-312.		13
71	Highly Radiation Sensitive Type IA FBGs for Future Dosimetry Applications. IEEE Transactions on Nuclear Science, 2012, 59, 1180-1185.	2.0	12
72	Strain dependence of perfluorinated polymer optical fiber Bragg grating measured at different wavelengths. Japanese Journal of Applied Physics, 2018, 57, 038002.	1.5	12

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73	Potential of Discriminative Sensing of Strain and Temperature Using Perfluorinated Polymer FBG. IEEE Sensors Journal, 2019, 19, 4458-4462.	4.7	12
74	Multilayered coated infra-red surface plasmon resonance fibre sensors for aqueous chemical sensing. Optical Fiber Technology, 2009, 15, 477-482.	2.7	11
75	Higher-order cladding mode excitation of femtosecond-laser-inscribed tilted FBGs. Optics Letters, 2018, 43, 2169.	3.3	11
76	In-Situ Relative Humidity Sensing for Ultra-High-Performance Concrete Using Polymer Fiber Bragg Gratings. IEEE Sensors Journal, 2021, 21, 16086-16092.	4.7	11
77	Spectral modification of type IA fibre Bragg gratings by high-power near-infrared lasers. Measurement Science and Technology, 2006, 17, 968-974.	2.6	10
78	Hydrogen gas detection via photothermal deflection measurement. Review of Scientific Instruments, 1997, 68, 3544-3552.	1.3	9
79	Extended-range, low coherence dual wavelength interferometry using a superfluorescent fibre source and chirped fibre Bragg gratings. Optics Communications, 1997, 134, 341-348.	2.1	9
80	Tailoring the temperature and strain coefficients of Type I and Type IA dual grating sensors—the impact of hydrogenation conditions. Measurement Science and Technology, 2006, 17, 949-954.	2.6	9
81	Utilisation of thermal annealing to record multiplexed FBG sensors in multimode microstructured polymer optical fibre. , 2011, , .		9
82	Physical characteristics of localized surface plasmons resulting from nano-scale structured multi-layer thin films deposited on D-shaped optical fiber. Optics Express, 2013, 21, 18765.	3.4	9
83	Methane detection scheme based upon the changing optical constants of a zinc oxide/platinum matrix created by a redox reaction and their effect upon surface plasmons. Sensors and Actuators B: Chemical, 2018, 255, 843-853.	7.8	9
84	Characterisation of silicon fibre Bragg grating in near-infrared band for strain and temperature sensing. Electronics Letters, 2018, 54, 1393-1395.	1.0	9
85	Femtosecond Laser Inscribed Tilted Gratings for Leaky Mode Excitation in Optical Fibers. Journal of Lightwave Technology, 2020, 38, 1921-1928.	4.6	9
86	All-fiber passively mode-locked ultrafast laser based on a femtosecond-laser-inscribed in-fiber Brewster device. Optics Letters, 2019, 44, 5177.	3.3	9
87	Microfluidic Flows and Heat Transfer and Their Influence on Optical Modes in Microstructure Fibers. Materials, 2014, 7, 7566-7582.	2.9	8
88	Temperature-induced reflectivity changes and activation of hydrogen sensitive optically thin palladium films on silicon oxide. Review of Scientific Instruments, 1998, 69, 3331-3338.	1.3	7
89	Bragg gratings in optical fibers. , 2001, , 367-480.		7
90	Twist dependencies of strain and temperature sensitivities of perfluorinated graded-index polymer optical fiber Bragg gratings. Applied Physics Express, 2019, 12, 082007.	2.4	7

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91	Femtosecond Laser Written Plane-by-Plane Bragg Grating Sensors in Bioresorbable Phosphate Optical Fibres. <i>Journal of Lightwave Technology</i> , 2019, 37, 2363-2369.	4.6	7
92	Foot Plantar Pressure Monitoring with CYTOP Bragg Gratings Sensing System. , 2018, , .		7
93	Recent developments of Bragg gratings in PMMA and TOPAS polymer optical fibers. <i>Proceedings of SPIE</i> , 2008, , .	0.8	6
94	Polymer PCF Bragg grating sensors based on poly(methyl methacrylate) and TOPAS cyclic olefin copolymer. , 2011, , .		6
95	Highly sensitive, localized surface plasmon resonance fiber device for environmental sensing, based upon a structured bi-metal array of nano-wires. <i>Optics Letters</i> , 2014, 39, 5798.	3.3	6
96	Comparative Study of γ - and e-Radiation-Induced Effects on FBGs Using Different Femtosecond Laser Inscription Methods. <i>Sensors</i> , 2021, 21, 8379.	3.8	6
97	Temperature-Insensitive Curvature Sensor With Plane-by-Plane Inscription of Off-Center Tilted Bragg Gratings in CYTOP Fibers. <i>IEEE Sensors Journal</i> , 2022, 22, 11725-11731.	4.7	6
98	Investigation and applications of all-fiber brillouin ring resonator lasers. <i>Fiber and Integrated Optics</i> , 1995, 14, 303-330.	2.5	5
99	870nm Bragg grating in single mode TOPAS microstructured polymer optical fibre. <i>Proceedings of SPIE</i> , 2011, , .	0.8	5
100	Sensing properties of femtosecond laser-inscribed long period gratings in photonic crystal fiber. <i>Photonic Sensors</i> , 2011, 1, 228-233.	5.0	5
101	Photonic crystal fiber Bragg grating based sensors: opportunities for applications in healthcare. <i>Proceedings of SPIE</i> , 2011, , .	0.8	5
102	Lorentzian demodulation algorithm for multimode polymer optical fiber Bragg gratings. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 028003.	1.5	5
103	Multiple Period Resonances in Long Period Gratings in Photonic Crystal Fibres. <i>Optical and Quantum Electronics</i> , 2006, 38, 209-216.	3.3	4
104	Nondestructive index profiling of long period gratings in photonic crystal fibres. <i>Optical and Quantum Electronics</i> , 2007, 38, 913-920.	3.3	4
105	Demonstration of inscription and ablation of phase masks for the production of 1st, 2nd, and 3rd order FBG gratings using a femtosecond laser. <i>Proceedings of SPIE</i> , 2009, , .	0.8	4
106	Novel FBG femtosecond laser inscription method for improved FPI sensors for medical applications. , 2014, , .		4
107	Microfluidics in Microstructure Optical Fibers: Heat Flux and Pressure-driven and Other Flows. <i>Procedia IUTAM</i> , 2014, 11, 23-33.	1.2	4
108	Femtosecond laser processing of optical fibres for novel sensor development. <i>Proceedings of SPIE</i> , 2017, , .	0.8	4

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109	Femtosecond laser micromachining of compound parabolic concentrator fiber tipped glucose sensors. <i>Journal of Biomedical Optics</i> , 2017, 22, 037003.	2.6	4
110	Improvements on the cross-correlation algorithm used for tracking fractional Bragg grating wavelength shifts in multimode fibres. <i>Optical Fiber Technology</i> , 2018, 46, 36-42.	2.7	4
111	Femtosecond laser direct inscribed 45° tilted fiber grating for a net-normal-dispersion mode-locked Er-doped fiber laser. <i>Optics and Laser Technology</i> , 2021, 143, 107358.	4.6	4
112	Tunable fiber frequency shifter that uses an all-fiber ring resonator. <i>Optics Letters</i> , 1992, 17, 1243.	3.3	3
113	Photomodulated thermoreflectance detection of hydrogen gas using optically thin palladium film on silicon oxide. <i>Review of Scientific Instruments</i> , 1998, 69, 1505-1511.	1.3	3
114	Temperature insensitive long-period grating sensors in photonic crystal fiber. , 2004, 5579, 66.		3
115	Round-robin for fiber Bragg grating metrology during COST270 action. , 2004, , .		3
116	Low-loss multimode interference couplers for terahertz waves. <i>Proceedings of SPIE</i> , 2012, , .	0.8	3
117	Femtosecond laser waveguide and FBG inscription in four-core optical fibre. <i>Proceedings of SPIE</i> , 2016, , .	0.8	3
118	Perfluorinated fiber material properties following femtosecond laser inscription. <i>Optical Materials</i> , 2020, 109, 110412.	3.6	3
119	Monolithic Er/Yb double-clad fibre laser with FBG inscribed using the direct-write plane-by-plane fs-laser inscription method. , 2018, , .		3
120	Femtosecond laser inscribed phase masks for fibre Bragg grating sensor inscription. , 2012, , .		2
121	Characterization of polymer nanowires fabricated using the nanoimprint method. <i>Proceedings of SPIE</i> , 2014, , .	0.8	2
122	Fiber Bragg Based Sensors for Foot Plantar Pressure Analysis. <i>Communications in Computer and Information Science</i> , 2019, , 3-25.	0.5	2
123	Effective Cleaving Parameters for Multimode Gradient Index CYTOP Polymer Fiber. <i>Polymers</i> , 2020, 12, 2491.	4.5	2
124	Generation of a Conjoint Surface Plasmon by an Infrared Nano-€Antenna Array. <i>Advanced Photonics Research</i> , 2021, 2, 2000003.	3.6	2
125	Femtosecond Laser Inscription of Multiplexed FBG Sensors in CYTOP Polymer Optical Fibres. , 2016, , .		2
126	Low-dimensional nano-patterned surface fabricated by direct-write UV-chemically induced geometric inscription technique. <i>Optics Letters</i> , 2019, 44, 195.	3.3	2

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127	Femtosecond laser inscription of ultra-compact Mach-Zehnder fibre cladding interferometer incorporating FBG. , 2018, , .		2
128	Sensing capabilities of higher order cladding modes. , 2018, , .		2
129	Dynamic response of high-resolution ring resonator optical spectrometers to time-varying input signals. Fiber and Integrated Optics, 1995, 14, 211-223.	2.5	1
130	Nondestructive evaluation of metal contaminated silicon wafers using radiometric measurements. Journal of Applied Physics, 1999, 86, 3064-3067.	2.5	1
131	Type 1A fibre Bragg grating photosensitivity and the development of optimum temperature invariant type I-type IA strain sensors. , 2004, , .		1
132	Sensing applications of long-period gratings in various fibre types. , 2004, 5502, 104.		1
133	Annealing and temperature coefficient study of type IA fibre Bragg gratings inscribed under strain and no strain: implications to optical fibre component reliability. , 2006, , .		1
134	Embedded multiplexed polymer optical fiber sensor for esophageal manometry. , 2011, , .		1
135	Femtosecond laser microstructuring through optical fibre end faces: inscription of surface gratings and sub-surface splitters. Proceedings of SPIE, 2012, , .	0.8	1
136	Dispersion characteristics of plasmonic waveguides for THz waves. , 2013, , .		1
137	Flexible glass flat-fibre chips and femtosecond laser inscription as enabling technologies for photonic devices. , 2014, , .		1
138	Designing High-Performance, Power-Efficient NoCs With Embedded Silicon-in-Silica Nanophotonics. , 2015, , .		1
139	Design of high-performance, power-efficient optical NoCs using Silica-embedded silicon nanophotonics. , 2015, , .		1
140	Towards High-Performance and Power-Efficient Optical NoCs Using Silicon-in-Silica Photonic Components. , 2015, , .		1
141	Multi FBG femtosecond laser inscription in FPI based pressure sensors for temperature distribution. , 2015, , .		1
142	Low loss polymer fiber Bragg gratings sensors for effective optical sensing of strain and temperature. , 2016, , .		1
143	Silica-Embedded Silicon Nanophotonic On-Chip Networks. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2017, 36, 978-991.	2.7	1
144	All-fiber Passively Mode-locked Femtosecond Laser Based on a Femtosecond Laser Inscribed 45° Tilted Fiber Grating. , 2019, , .		1

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145	Femtosecond Laser Plane-by-Plane Inscribed Cavity Mirrors for Monolithic Fiber Lasers in Thulium-Doped Fiber. Sensors, 2021, 21, 1928.	3.8	1
146	L-band CYTOP Bragg gratings for ultrasound sensing. , 2018, , .		1
147	Photonic crystal fiber Bragg grating based sensors “ opportunities for applications in healthcare. , 2011, , .		1
148	Femtosecond laser plane-by-plane Bragg gratings for monolithic Thulium-doped fibre laser operating at 1970 nm. , 2019, , .		1
149	Carbon coated FBGs inscribed using the plane-by-plane femtosecond laser inscription method. , 2019, , .		1
150	Fibre cladding interferometers and Bragg gratings made via plane by plane femtosecond laser inscription. , 2019, , .		1
151	Strain Measurement in Hyrax Appliances Using FBG Sensors in a 3D-Printed Human Maxillary Model. IEEE Photonics Technology Letters, 2022, 34, 811-814.	2.5	1
152	Design issues for an ultra compact tapered MMI coupler based on 3 dB splitter. , 2003, , .		0
153	Design issues for optical microring filters on deeply etched GaInAsP-InP waveguides. , 2003, , .		0
154	Gratings in novel fibre geometry for applications in shape sensing. , 2004, , .		0
155	Design issues for directional coupler- and MMI-based optical microring resonator filters on InP. , 2004, , .		0
156	Spectral modification of type IA fibre Bragg gratings by high power near infra-red lasers. , 2006, , .		0
157	The impact of hydrogenation conditions on the temperature and strain discrimination of Type I and Type IA Bragg grating sensors. , 2006, , .		0
158	Numerical modeling of sensors based on long period gratings in photonic crystal fibres. , 2007, , .		0
159	Characterisation of femtosecond laser inscribed long period gratings in photonic crystal fibre. Proceedings of SPIE, 2008, , .	0.8	0
160	Highly refractive index sensitive femtosecond laser inscribed long period gratings. , 2011, , .		0
161	UV inscribed long period gratings with femtosecond ablated axial fibre slots for polarization control. Proceedings of SPIE, 2011, , .	0.8	0
162	Research at the University of Kent and subsequent research activities. Photonic Sensors, 2011, 1, 362-381.	5.0	0

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163	Femtosecond and UV inscribed grating characterization in photonic crystal fibres: optimization for sensing applications. Proceedings of SPIE, 2012, , .	0.8	0
164	Advances in femtosecond laser micro-inscription and ablation of optical coherence tomography and optical coherence elastography phantoms. , 2013, , .		0
165	Oscillatory behaviour in Type IA FBG: ruling out chemical complexity. , 2015, , .		0
166	Femtosecond laser inscription of Bragg and complex gratings in coated and encapsulated silica and low-loss polymer optical fibers. , 2015, , .		0
167	Fabrication and characterisation of FBG sensors in low loss polymer optical fibre. Proceedings of SPIE, 2016, , .	0.8	0
168	Modified femtosecond laser inscription method for tailored grating sensors in encapsulated silica and low-loss polymer optical fibers. , 2016, , .		0
169	Health monitoring of carbon cantilever using femtosecond laser inscribed FBG array in gradient-index CYTOP polymer fibre. , 2017, , .		0
170	Perfluorinated graded-index plastic optical fiber Bragg gratings: Observation and theoretical analysis of unique dependence on pressure. , 2017, , .		0
171	Laser-sculpted hybrid photonic magnetometer with nanoscale magnetostrictive interaction. Sensors and Actuators A: Physical, 2018, 269, 545-555.	4.1	0
172	All-Fiber Passively Mode-Locked Erbium-Doped Fiber Laser Using a Femtosecond Laser Inscribed 45°-Tilted Fiber Grating. , 2018, , .		0
173	All-Fiber Mode-Locked Thulium Doped Fiber Laser using a Novel Femtosecond Laser Inscribed 45° Tilted Fiber Grating. , 2019, , .		0
174	Low-loss Polymer Optical Components and Cladding Interferometric Devices Inscribed Using Femtosecond Laser Inscription. , 2019, , .		0
175	All-in-Fiber Fabrication of Cladding Devices and Components Using Femtosecond Laser Pulses. , 2020, , .		0
176	Femtosecond Laser Inscription of Bragg and Complex Gratings in Low-Loss Polymer and Silica Optical Fibers. , 2015, , .		0
177	Evidence of Chemical Complexity and Laser-Driven Autocatalysis in Type IA FBGs. , 2016, , .		0
178	Fs Lasers for Complex Gratings, Integrated Circuits and Beam Shaping with Silica and Polymer Optical Fibres. , 2016, , .		0
179	Zero-crossing algorithm for the demodulation of FBGs inscribed in gradient index multimode fibres. , 2018, , .		0
180	Plasmonic gas sensing in the C+L bands using femtosecond laser inscribed TFBGs. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
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