

Jeroen Missinne

List of Publications by Year in descending order

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papers

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516710

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610901

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44
all docs

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docs citations

44
times ranked

756
citing authors

#	ARTICLE	IF	CITATIONS
1	Stretchable optical waveguides. Optics Express, 2014, 22, 4168.	3.4	91
2	Highly Reliable Flexible Active Optical Links. IEEE Photonics Technology Letters, 2010, 22, 287-289.	2.5	45
3	Flexible Shear Sensor Based on Embedded Optoelectronic Components. IEEE Photonics Technology Letters, 2011, 23, 771-773.	2.5	45
4	Ultrathin Optoelectronic Device Packaging in Flexible Carriers. IEEE Journal of Selected Topics in Quantum Electronics, 2011, 17, 617-628.	2.9	44
5	Comparison of epoxy- and siloxane-based single-mode optical waveguides defined by direct-write lithography. Optical Materials, 2016, 52, 26-31.	3.6	37
6	Ultra Small Integrated Optical Fiber Sensing System. Sensors, 2012, 12, 12052-12069.	3.8	31
7	Design and fabrication of blazed gratings for a waveguide-type head mounted display. Optics Express, 2020, 28, 11175.	3.4	30
8	Highly Sensitive Waveguide Bragg Grating Temperature Sensor Using Hybrid Polymers. IEEE Photonics Technology Letters, 2016, 28, 1150-1153.	2.5	23
9	Microfabricated devices for single objective single plane illumination microscopy (SoSPIM). Optics Express, 2017, 25, 1732.	3.4	23
10	Thin and Flexible Polymer Photonic Sensor Foils for Monitoring Composite Structures. Advanced Engineering Materials, 2018, 20, 1701127.	3.5	20
11	Mid-IR sensing platform for trace analysis in aqueous solutions based on a germanium-on-silicon waveguide chip with a mesoporous silica coating for analyte enrichment. Optics Express, 2020, 28, 27013.	3.4	19
12	Flip-chip bonding of vertical-cavity surface-emitting lasers using laser-induced forward transfer. Applied Physics Letters, 2014, 104, .	3.3	18
13	Fabrication and Characterization of High-Optical-Quality-Factor Hybrid Polymer Microring Resonators Operating at Very Near Infrared Wavelengths. IEEE Photonics Journal, 2016, 8, 1-9.	2.0	18
14	Bragg-Grating-Based Photonic Strain and Temperature Sensor Foils Realized Using Imprinting and Operating at Very Near Infrared Wavelengths. Sensors, 2018, 18, 2717.	3.8	18
15	Two axis optoelectronic tactile shear stress sensor. Sensors and Actuators A: Physical, 2012, 186, 63-68.	4.1	16
16	Curing kinetics of step-index and graded-index single mode polymer self-written waveguides. Optical Materials Express, 2014, 4, 1324.	3.0	16
17	Laser Written Glass Interposer for Fiber Coupling to Silicon Photonic Integrated Circuits. IEEE Photonics Journal, 2021, 13, 1-12.	2.0	12
18	Monolithic integration of microlenses on the backside of a silicon photonics chip for expanded beam coupling. Optics Express, 2021, 29, 7601.	3.4	12

#	ARTICLE	IF	CITATIONS
19	Imprinted Polymer-Based Guided Mode Resonance Grating Strain Sensors. <i>Sensors</i> , 2020, 20, 3221.	3.8	10
20	Aerosol-Jet Printed Interconnects for 2.5 D Electronic and Photonic Integration. <i>Journal of Lightwave Technology</i> , 2018, 36, 3528-3533.	4.6	9
21	Performance Evaluation of Backside Emitting O-Band Grating Couplers for 100- μm -Thick Silicon Photonics Interposers. <i>IEEE Photonics Journal</i> , 2019, 11, 1-11.	2.0	9
22	PIXAPP Photonics Packaging Pilot Line – Development of a Silicon Photonic Optical Transceiver With Pluggable Fiber Connectivity. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2022, 28, 1-11.	2.9	9
23	Ultra Thin Optical Tactile Shear Sensor. <i>Procedia Engineering</i> , 2011, 25, 1393-1396.	1.2	8
24	All-organic switching polarizer based on polymer waveguides and liquid crystals. <i>Optics Express</i> , 2018, 26, 9584.	3.4	8
25	Expanded-Beam Backside Coupling Interface for Alignment-Tolerant Packaging of Silicon Photonics. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2020, 26, 1-7.	2.9	8
26	Technological Challenges in the Development of Optogenetic Closed-Loop Therapy Approaches in Epilepsy and Related Network Disorders of the Brain. <i>Micromachines</i> , 2021, 12, 38.	2.9	8
27	Effect of ultrashort laser-induced surface flaws on architectural glass strength. <i>Construction and Building Materials</i> , 2021, 295, 123590.	7.2	6
28	Ball Lens Embedded Through-Package Via To Enable Backside Coupling Between Silicon Photonics Interposer and Board-Level Interconnects. <i>Journal of Lightwave Technology</i> , 2020, 38, 2360-2369.	4.6	5
29	Photonic Incremental Pressure Sensor Based on Optical Feedback in a Polymer Embedded VCSEL. <i>IEEE Photonics Technology Letters</i> , 2012, 24, 1151-1153.	2.5	4
30	Adaptive Patterning of Optical and Electrical Fan-Out for Photonic Chip Packaging. , 2019, , .		4
31	Alignment-tolerant interfacing of a photonic integrated circuit using back side etched silicon microlenses. , 2019, , .		4
32	Bragg Grating Sensors in Laser-written Single Mode Polymer Waveguides. <i>Procedia Engineering</i> , 2015, 120, 878-881.	1.2	3
33	Miniature Multiaxial Optoelectronic Shear Stress Sensing System Based on a Segmented Photodiode. <i>IEEE Sensors Journal</i> , 2015, 15, 4286-4291.	4.7	3
34	A Ka-band SiGe BICMOS power amplifier with 24 dBm output power. <i>Microwave and Optical Technology Letters</i> , 2015, 57, 718-722.	1.4	3
35	Aerosol-Jet Printed Interconnects for 60-Cb/s CMOS Driver and Microring Modulator Transmitter Assembly. <i>IEEE Photonics Technology Letters</i> , 2018, 30, 1944-1947.	2.5	3
36	Fabrication of a Shear Stress Sensor Matrix Using Standard Printed Circuit Board and Overmolding Technologies. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2020, 10, 479-486.	2.5	3

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37	Low-Loss Connection of Embedded Optical Fiber Sensors Using a Self-Written Waveguide. IEEE Photonics Technology Letters, 2017, 29, 1731-1734.	2.5	2
38	Planar polymer waveguides with a graded-index profile resulting from intermixing of methacrylates in closed microchannels. Optical Materials, 2018, 76, 210-215.	3.6	2
39	Femtosecond Laser-inscribed Non-volatile Integrated Optical Switch in Fused Silica based on Microfluidics-controlled Total Internal Reflection. Journal of Lightwave Technology, 2020, , 1-1.	4.6	1
40	An imprinted polymer-based guided mode resonance grating sensor. , 2018, , .		1
41	Comparison of different polymers and printing technologies for realizing flexible optical waveguide Bragg grating strain sensor foils. , 2019, , .		1
42	Characterization of the Modal Parameters of Composite Laminates Using Innovative Ultrathin Polymer Waveguide Sensor Foils. Proceedings (mdpi), 2018, 2, 374.	0.2	0
43	Non-Volatile Microfluidics Controlled Switch Fabricated in Fused Silica by Femtosecond Laser Inscription. , 2019, , .		0
44	Laser-fabricated ball lens optical interface for back side coupling to a silicon photonics sensor chip. , 2021, , .		0