

Jeroen Missinne

List of Publications by Year in descending order

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756
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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | PIXAPP Photonics Packaging Pilot Line – Development of a Silicon Photonic Optical Transceiver With Pluggable Fiber Connectivity. IEEE Journal of Selected Topics in Quantum Electronics, 2022, 28, 1-11. | 2.9 | 9 |
| 2 | Laser Written Glass Interposer for Fiber Coupling to Silicon Photonic Integrated Circuits. IEEE Photonics Journal, 2021, 13, 1-12. | 2.0 | 12 |
| 3 | Monolithic integration of microlenses on the backside of a silicon photonics chip for expanded beam coupling. Optics Express, 2021, 29, 7601. | 3.4 | 12 |
| 4 | Effect of ultrashort laser-induced surface flaws on architectural glass strength. Construction and Building Materials, 2021, 295, 123590. | 7.2 | 6 |
| 5 | Technological Challenges in the Development of Optogenetic Closed-Loop Therapy Approaches in Epilepsy and Related Network Disorders of the Brain. Micromachines, 2021, 12, 38. | 2.9 | 8 |
| 6 | Laser-fabricated ball lens optical interface for back side coupling to a silicon photonics sensor chip. , 2021, , . | | 0 |
| 7 | Expanded-Beam Backside Coupling Interface for Alignment-Tolerant Packaging of Silicon Photonics. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-7. | 2.9 | 8 |
| 8 | Imprinted Polymer-Based Guided Mode Resonance Grating Strain Sensors. Sensors, 2020, 20, 3221. | 3.8 | 10 |
| 9 | Fabrication of a Shear Stress Sensor Matrix Using Standard Printed Circuit Board and Overmolding Technologies. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2020, 10, 479-486. | 2.5 | 3 |
| 10 | Ball Lens Embedded Through-Package Via To Enable Backside Coupling Between Silicon Photonics Interposer and Board-Level Interconnects. Journal of Lightwave Technology, 2020, 38, 2360-2369. | 4.6 | 5 |
| 11 | 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 |
| 12 | Design and fabrication of blazed gratings for a waveguide-type head mounted display. Optics Express, 2020, 28, 11175. | 3.4 | 30 |
| 13 | 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 |
| 14 | Performance Evaluation of Backside Emitting O-Band Grating Couplers for 100- μm -Thick Silicon Photonics Interposers. IEEE Photonics Journal, 2019, 11, 1-11. | 2.0 | 9 |
| 15 | Non-Volatile Microfluidics Controlled Switch Fabricated in Fused Silica by Femtosecond Laser Inscription. , 2019, , . | | 0 |
| 16 | Adaptive Patterning of Optical and Electrical Fan-Out for Photonic Chip Packaging. , 2019, , . | | 4 |
| 17 | Comparison of different polymers and printing technologies for realizing flexible optical waveguide Bragg grating strain sensor foils. , 2019, , . | | 1 |
| 18 | Alignment-tolerant interfacing of a photonic integrated circuit using back side etched silicon microlenses. , 2019, , . | | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Thin and Flexible Polymer Photonic Sensor Foils for Monitoring Composite Structures. <i>Advanced Engineering Materials</i> , 2018, 20, 1701127. | 3.5 | 20 |
| 20 | Planar polymer waveguides with a graded-index profile resulting from intermixing of methacrylates in closed microchannels. <i>Optical Materials</i> , 2018, 76, 210-215. | 3.6 | 2 |
| 21 | Characterization of the Modal Parameters of Composite Laminates Using Innovative Ultrathin Polymer Waveguide Sensor Foils. <i>Proceedings (mdpi)</i> , 2018, 2, 374. | 0.2 | 0 |
| 22 | Aerosol-Jet Printed Interconnects for 60-Gb/s CMOS Driver and Microring Modulator Transmitter Assembly. <i>IEEE Photonics Technology Letters</i> , 2018, 30, 1944-1947. | 2.5 | 3 |
| 23 | Bragg-Grating-Based Photonic Strain and Temperature Sensor Foils Realized Using Imprinting and Operating at Very Near Infrared Wavelengths. <i>Sensors</i> , 2018, 18, 2717. | 3.8 | 18 |
| 24 | All-organic switching polarizer based on polymer waveguides and liquid crystals. <i>Optics Express</i> , 2018, 26, 9584. | 3.4 | 8 |
| 25 | 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 |
| 26 | An imprinted polymer-based guided mode resonance grating sensor. , 2018, , . | | 1 |
| 27 | Low-Loss Connection of Embedded Optical Fiber Sensors Using a Self-Written Waveguide. <i>IEEE Photonics Technology Letters</i> , 2017, 29, 1731-1734. | 2.5 | 2 |
| 28 | Microfabricated devices for single objective single plane illumination microscopy (SoSPIM). <i>Optics Express</i> , 2017, 25, 1732. | 3.4 | 23 |
| 29 | Fabrication and Characterization of High-Optical-Quality-Factor Hybrid Polymer Microring Resonators Operating at Very Near Infrared Wavelengths. <i>IEEE Photonics Journal</i> , 2016, 8, 1-9. | 2.0 | 18 |
| 30 | Highly Sensitive Waveguide Bragg Grating Temperature Sensor Using Hybrid Polymers. <i>IEEE Photonics Technology Letters</i> , 2016, 28, 1150-1153. | 2.5 | 23 |
| 31 | Comparison of epoxy- and siloxane-based single-mode optical waveguides defined by direct-write lithography. <i>Optical Materials</i> , 2016, 52, 26-31. | 3.6 | 37 |
| 32 | Bragg Grating Sensors in Laser-written Single Mode Polymer Waveguides. <i>Procedia Engineering</i> , 2015, 120, 878-881. | 1.2 | 3 |
| 33 | Miniature Multi-axial 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 | Stretchable optical waveguides. <i>Optics Express</i> , 2014, 22, 4168. | 3.4 | 91 |
| 36 | Curing kinetics of step-index and graded-index single mode polymer self-written waveguides. <i>Optical Materials Express</i> , 2014, 4, 1324. | 3.0 | 16 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Flip-chip bonding of vertical-cavity surface-emitting lasers using laser-induced forward transfer. Applied Physics Letters, 2014, 104, . | 3.3 | 18 |
| 38 | Ultra Small Integrated Optical Fiber Sensing System. Sensors, 2012, 12, 12052-12069. | 3.8 | 31 |
| 39 | Photonic Incremental Pressure Sensor Based on Optical Feedback in a Polymer Embedded VCSEL. IEEE Photonics Technology Letters, 2012, 24, 1151-1153. | 2.5 | 4 |
| 40 | Two axis optoelectronic tactile shear stress sensor. Sensors and Actuators A: Physical, 2012, 186, 63-68. | 4.1 | 16 |
| 41 | Flexible Shear Sensor Based on Embedded Optoelectronic Components. IEEE Photonics Technology Letters, 2011, 23, 771-773. | 2.5 | 45 |
| 42 | Ultra Thin Optical Tactile Shear Sensor. Procedia Engineering, 2011, 25, 1393-1396. | 1.2 | 8 |
| 43 | Ultrathin Optoelectronic Device Packaging in Flexible Carriers. IEEE Journal of Selected Topics in Quantum Electronics, 2011, 17, 617-628. | 2.9 | 44 |
| 44 | Highly Reliable Flexible Active Optical Links. IEEE Photonics Technology Letters, 2010, 22, 287-289. | 2.5 | 45 |