

Hugo Thienpont

List of Publications by Year in descending order

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862
papers

10,197
citations

53794

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all docs

898
docs citations

898
times ranked

6915
citing authors

#	ARTICLE	IF	CITATIONS
1	Elastomeric inverse moulding and vacuum casting process characterization for the fabrication of arrays of concave refractive microlenses. <i>Journal of Micromechanics and Microengineering</i> , 2007, 17, 81-88.	2.6	210
2	Deterministic polarization chaos from a laser diode. <i>Nature Photonics</i> , 2013, 7, 60-65.	31.4	172
3	Comparing glass and plastic refractive microlenses fabricated with different technologies. <i>Journal of Optics</i> , 2006, 8, S407-S429.	1.5	149
4	Optical feedback induces polarization mode hopping in vertical-cavity surface-emitting lasers. <i>Optics Letters</i> , 2003, 28, 1543.	3.3	144
5	Highly birefringent microstructured fibers with enhanced sensitivity to hydrostatic pressure. <i>Optics Express</i> , 2010, 18, 15113.	3.4	137
6	Saturation of the hyperpolarizability of oligothiophenes. <i>Physical Review Letters</i> , 1990, 65, 2141-2144.	7.8	134
7	Polarization switching in VCSEL's due to thermal lensing. <i>IEEE Photonics Technology Letters</i> , 1998, 10, 6-8.	2.5	129
8	Effect of photon-energy-dependent loss and gain mechanisms on polarization switching in vertical-cavity surface-emitting lasers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1999, 16, 2106.	2.1	122
9	(Photo-)crosslinkable gelatin derivatives for biofabrication applications. <i>Acta Biomaterialia</i> , 2019, 97, 46-73.	8.3	120
10	Cross-Linkable Gelatins with Superior Mechanical Properties Through Carboxylic Acid Modification: Increasing the Two-Photon Polymerization Potential. <i>Biomacromolecules</i> , 2017, 18, 3260-3272.	5.4	104
11	Fabrication of spherical microlenses by a combination of isotropic wet etching of silicon and molding techniques. <i>Optics Express</i> , 2009, 17, 6283.	3.4	103
12	Impact of in-plane anisotropic strain on the polarization behavior of vertical-cavity surface-emitting lasers. <i>Applied Physics Letters</i> , 2000, 77, 1590-1592.	3.3	102
13	Mapping of the Dynamics Induced by Orthogonal Optical Injection in Vertical-Cavity Surface-Emitting Lasers. <i>IEEE Journal of Quantum Electronics</i> , 2006, 42, 198-207.	1.9	99
14	Additive manufacturing of photo-crosslinked gelatin scaffolds for adipose tissue engineering. <i>Acta Biomaterialia</i> , 2019, 94, 340-350.	8.3	94
15	Transversal Load Sensing With Fiber Bragg Gratings in Microstructured Optical Fibers. <i>IEEE Photonics Technology Letters</i> , 2009, 21, 6-8.	2.5	83
16	Point-by-point fiber Bragg grating inscription in free-standing step-index and photonic crystal fibers using near-IR femtosecond laser. <i>Optics Letters</i> , 2010, 35, 1647.	3.3	78
17	Physical random bit generation from chaotic solitary laser diode. <i>Optics Express</i> , 2014, 22, 17271.	3.4	78
18	MT-Compatible Laser-Ablated Interconnections for Optical Printed Circuit Boards. <i>Journal of Lightwave Technology</i> , 2004, 22, 2083-2090.	4.6	77

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19	Soft tissue fillers for adipose tissue regeneration: From hydrogel development toward clinical applications. <i>Acta Biomaterialia</i> , 2017, 63, 37-49.	8.3	77
20	Highly Reactive Thiol- ϵ -Norbornene Photo-Click Hydrogels: Toward Improved Processability. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800181.	3.9	77
21	Standardized speckle measurement method matched to human speckle perception in laser projection systems. <i>Optics Express</i> , 2012, 20, 8770.	3.4	73
22	Extrusion-based 3D printing of photo-crosslinkable gelatin and λ -carrageenan hydrogel blends for adipose tissue regeneration. <i>International Journal of Biological Macromolecules</i> , 2019, 140, 929-938.	7.5	73
23	Microstructured Optical Fiber Sensors Embedded in a Laminate Composite for Smart Material Applications. <i>Sensors</i> , 2011, 11, 2566-2579.	3.8	70
24	Direct writing of microlenses in polycarbonate with excimer laser ablation. <i>Applied Optics</i> , 2003, 42, 6349.	2.1	69
25	Proton- and Gamma-Induced Effects on Erbium-Doped Optical Fibers. <i>IEEE Transactions on Nuclear Science</i> , 2007, 54, 2426-2434.	2.0	68
26	Analytic design method for optimal imaging: coupling three ray sets using two free-form lens profiles. <i>Optics Express</i> , 2012, 20, 5576.	3.4	68
27	Negative Kerr Nonlinearity of Graphene as seen via Chirped-Pulse-Pumped Self-Phase Modulation. <i>Physical Review Applied</i> , 2016, 6, .	3.8	68
28	Graphene's nonlinear-optical physics revealed through exponentially growing self-phase modulation. <i>Nature Communications</i> , 2018, 9, 2675.	12.8	67
29	Nonlinear dynamics accompanying polarization switching in vertical-cavity surface-emitting lasers with orthogonal optical injection. <i>Applied Physics Letters</i> , 2006, 88, 101106.	3.3	66
30	Challenges in the fabrication of fibre Bragg gratings in silica and polymer microstructured optical fibres. <i>Laser and Photonics Reviews</i> , 2014, 8, 27-52.	8.7	63
31	Receiver-less optical clock injection for clock distribution networks. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2003, 9, 400-409.	2.9	62
32	Temperature and pressure sensitivities of the highly birefringent photonic crystal fiber with core asymmetry. <i>Applied Physics B: Lasers and Optics</i> , 2005, 81, 325-331.	2.2	62
33	Aerospace-grade surface mounted optical fibre strain sensor for structural health monitoring on composite structures evaluated against in-flight conditions. <i>Smart Materials and Structures</i> , 2019, 28, 065008.	3.5	60
34	Architectural approach to the role of optics in monoprocessor and multiprocessor machines. <i>Applied Optics</i> , 2000, 39, 671.	2.1	59
35	Experimental and theoretical investigations of birefringent holey fibers with a triple defect. <i>Applied Optics</i> , 2005, 44, 2652.	2.1	59
36	Large-mode-area photonic crystal fiber with double lattice constant structure and low bending loss. <i>Optics Express</i> , 2011, 19, 22628.	3.4	58

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37	Extremely large-mode-area photonic crystal fibre with low bending loss. Optics Express, 2010, 18, 15408.	3.4	56
38	Late antique glass distribution and consumption in Cyprus: a chemical study. Journal of Archaeological Science, 2015, 61, 213-222.	2.4	55
39	Potential benefits of free-form optics in on-axis imaging applications with high aspect ratio. Optics Express, 2013, 21, 31072.	3.4	53
40	Fiber Bragg Gratings in Germanium-Doped Highly Birefringent Microstructured Optical Fibers. IEEE Photonics Technology Letters, 2008, 20, 554-556.	2.5	52
41	High-Resolution 3D Bioprinting of Photo-Cross-linkable Recombinant Collagen to Serve Tissue Engineering Applications. Biomacromolecules, 2020, 21, 3997-4007.	5.4	51
42	Laser ablation of parallel optical interconnect waveguides. IEEE Photonics Technology Letters, 2006, 18, 1106-1108.	2.5	50
43	Analytic free-form lens design in 3D: coupling three ray sets using two lens surfaces. Optics Express, 2012, 20, 10839.	3.4	49
44	Experimental Evidence of Coherence Resonance in a Time-Delayed Bistable System. Physical Review Letters, 2007, 99, 023903.	7.8	48
45	Visible and near-infrared absorption spectroscopy by an integrating sphere and optical fibers for quantifying and discriminating the adulteration of extra virgin olive oil from Tuscany. Analytical and Bioanalytical Chemistry, 2011, 399, 1315-1324.	3.7	48
46	Polarization stabilization in vertical-cavity surface-emitting lasers through asymmetric current injection. IEEE Photonics Technology Letters, 2000, 12, 945-947.	2.5	47
47	High-Resolution Optical Sampling of 640-Cb/s Data Using Four-Wave Mixing in Dispersion-Engineered Highly Nonlinear As ₂ S ₃ Planar Waveguides. Journal of Lightwave Technology, 2010, 28, 209-215.	4.6	47
48	Tracking integration in concentrating photovoltaics using laterally moving optics. Optics Express, 2011, 19, A207.	3.4	46
49	Shear stress sensing with Bragg grating-based sensors in microstructured optical fibers. Optics Express, 2013, 21, 20404.	3.4	46
50	Optical-injection-induced polarization switching in polarization-bistable vertical-cavity surface-emitting lasers. Journal of Applied Physics, 2004, 96, 6002-6007.	2.5	45
51	Dynamics of vertical-cavity surface-emitting lasers in the short external cavity regime: Pulse packages and polarization mode competition. Physical Review A, 2006, 73, .	2.5	45
52	Compressive Optical Imaging: Architectures and Algorithms. , 2011, , 485-505.		45
53	Optical detection of aflatoxins in maize using one- and two-photon induced fluorescence spectroscopy. Food Control, 2015, 51, 408-416.	5.5	45
54	Two-dimensional plastic microlens arrays by deep lithography with protons: fabrication and characterization. Journal of Optics, 2002, 4, S22-S28.	1.5	44

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55	Low-cost microoptical modules for mcm level optical interconnections. IEEE Journal of Selected Topics in Quantum Electronics, 2003, 9, 518-530.	2.9	44
56	Polarization-mode hopping in single-mode vertical-cavity surface-emitting lasers: Theory and experiment. Physical Review A, 2003, 68, .	2.5	44
57	Ultrathin Optoelectronic Device Packaging in Flexible Carriers. IEEE Journal of Selected Topics in Quantum Electronics, 2011, 17, 617-628.	2.9	44
58	Deep microstructure topography characterization with optical vortex interferometer. Optics Express, 2008, 16, 19179.	3.4	43
59	Geometrical study of a hexagonal lattice photonic crystal fiber for efficient femtosecond laser grating inscription. Optics Express, 2011, 19, 7705.	3.4	42
60	Iron speciation in soda-lime-silica glass: a comparison of XANES and UV-vis-NIR spectroscopy. Journal of Analytical Atomic Spectrometry, 2015, 30, 1552-1561.	3.0	42
61	Freeform imaging systems: Fermat's principle unlocks "first time right" design. Light: Science and Applications, 2021, 10, 95.	16.6	42
62	Investigation of Polarization Properties of VCSELs Subject to Optical Feedback From an Extremely Short External Cavity"Part I: Theoretical Analysis. IEEE Journal of Quantum Electronics, 2006, 42, 89-101.	1.9	41
63	Deep proton writing: a rapid prototyping polymer micro-fabrication tool for micro-optical modules. New Journal of Physics, 2006, 8, 270-270.	2.9	41
64	Linearly polarized bistable localized structure in medium-size vertical-cavity surface-emitting lasers. Physical Review A, 2009, 79, .	2.5	41
65	Polarization- and Transverse-Mode Dynamics in Optically Injected and Gain-Switched Vertical-Cavity Surface-Emitting Lasers. IEEE Journal of Quantum Electronics, 2009, 45, 1473-1481.	1.9	41
66	Bragg Grating Inscription in GeO -Doped Microstructured Optical Fibers. Journal of Lightwave Technology, 2010, 28, 1459-1467.	4.6	41
67	Tailored free-form optics with movement to integrate tracking in concentrating photovoltaics. Optics Express, 2013, 21, A401.	3.4	41
68	Evaluation of 3D Printed Gelatin-Based Scaffolds with Varying Pore Size for MSC-Based Adipose Tissue Engineering. Macromolecular Bioscience, 2020, 20, e1900364.	4.1	41
69	Experimental investigations of bending loss oscillations in large mode area photonic crystal fibers. Optics Express, 2007, 15, 13547.	3.4	40
70	Optical Feedback in Vertical-Cavity Surface-Emitting Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 1700312-1700312.	2.9	40
71	Indirect Rapid Prototyping: Opening Up Unprecedented Opportunities in Scaffold Design and Applications. Annals of Biomedical Engineering, 2017, 45, 58-83.	2.5	40
72	Synergistic effect of λ -carrageenan and gelatin blends towards adipose tissue engineering. Carbohydrate Polymers, 2018, 189, 1-9.	10.2	40

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73	Polarization Switching Bistability and Dynamics in Vertical-Cavity Surface-Emitting Laser under Orthogonal Optical Injection. <i>Optical and Quantum Electronics</i> , 2006, 38, 429-443.	3.3	39
74	Human speckle perception threshold for still images from a laser projection system. <i>Optics Express</i> , 2014, 22, 23965.	3.4	39
75	Plastic microoptical interconnection modules for parallel free-space interand intra-MCM data communication. <i>Proceedings of the IEEE</i> , 2000, 88, 769-779.	21.3	38
76	Polarization switching induced by phase change in extremely short external cavity vertical-cavity surface-emitting lasers. <i>Applied Physics Letters</i> , 2004, 84, 2763-2765.	3.3	38
77	Using Raman spectroscopy as a tool for the detection of iron in glass. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 1789-1795.	2.5	38
78	Indirect additive manufacturing as an elegant tool for the production of self-supporting low density gelatin scaffolds. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 247.	3.6	38
79	Response of FBGs in Microstructured and Bow Tie Fibers Embedded in Laminated Composite. <i>IEEE Photonics Technology Letters</i> , 2009, 21, 1290-1292.	2.5	37
80	Control Over the Pressure Sensitivity of Bragg Grating-Based Sensors in Highly Birefringent Microstructured Optical Fibers. <i>IEEE Photonics Technology Letters</i> , 2012, 24, 527-529.	2.5	37
81	EAT-by-LIGHT: Fiber-Optic and Micro-Optic Devices for Food Quality and Safety Assessment. <i>IEEE Sensors Journal</i> , 2008, 8, 1342-1354.	4.7	36
82	Poly(D,L-Lactic Acid) (PDLLA) Biodegradable and Biocompatible Polymer Optical Fiber. <i>Journal of Lightwave Technology</i> , 2019, 37, 1916-1923.	4.6	36
83	Using a flyâ€™s eye integrator in efficient illumination engines with multiple light-emitting diode light sources. <i>Optical Engineering</i> , 2007, 46, 043001.	1.0	35
84	Data transparent reconfigurable optical interconnections using polarization switching in VCSEL's induced by optical injection. <i>IEEE Photonics Technology Letters</i> , 1999, 11, 985-987.	2.5	34
85	Continuous-wave broadly tunable Cr ²⁺ :ZnSe laser pumped by a thulium fiber laser. <i>Optics Communications</i> , 2006, 268, 115-120.	2.1	34
86	Ultra flat supercontinuum generation in silicate dual core microstructured fiber. <i>Laser Physics Letters</i> , 2009, 6, 575-581.	1.4	34
87	Birefringent photonic crystal fibers with zero polarimetric sensitivity to temperature. <i>Applied Physics B: Lasers and Optics</i> , 2009, 94, 635-640.	2.2	34
88	Integration of uniform porous shell layers in very long pillar array columns using electrochemical anodization for liquid chromatography. <i>Analyst</i> , 2014, 139, 618-625.	3.5	34
89	Thiol-norbornene gelatin hydrogels: influence of thiolated crosslinker on network properties and high definition 3D printing. <i>Biofabrication</i> , 2021, 13, 015017.	7.1	34
90	Spatial decoherence of pulsed broad-area vertical-cavity surface-emitting lasers. <i>Optics Express</i> , 2005, 13, 9337.	3.4	33

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91	Measurements of polarimetric sensitivity to temperature in birefringent holey fibres. Measurement Science and Technology, 2007, 18, 3055-3060.	2.6	33
92	Micro-step localization using double charge optical vortex interferometer. Optics Express, 2009, 17, 16144.	3.4	33
93	Cobalt absorption bands for the differentiation of historical Na and Ca/K rich glass. Surface and Interface Analysis, 2012, 44, 219-226.	1.8	33
94	Multifield direct design method for ultrashort throw ratio projection optics with two tailored mirrors. Applied Optics, 2016, 55, 3794.	2.1	33
95	Controlled Polarization Switching in VCSELs by Means of Asymmetric Current Injection. IEEE Photonics Technology Letters, 2004, 16, 708-710.	2.5	32
96	Fabrication and characterization of microlens arrays using a cantilever-based spotter. Optics Express, 2007, 15, 6900.	3.4	32
97	Mitigating Heat Dissipation in Raman Lasers Using Coherent Anti-Stokes Raman Scattering. Physical Review Letters, 2007, 99, 093903.	7.8	32
98	Polarization-selective diffractive optical elements with an index-matching gap material. Applied Optics, 1997, 36, 4681.	2.1	31
99	Polarization behavior of vertical-cavity surface-emitting lasers: Experiments, models and applications. AIP Conference Proceedings, 2001, , .	0.4	31
100	High-resolution optical sampling of 640 Gbit/s data using dispersion-engineered chalcogenide photonic wire. Electronics Letters, 2010, 46, 223.	1.0	31
101	Wavelength Conversion Based on Raman- and Non-Resonant Four-Wave Mixing in Silicon Nanowire Rings Without Dispersion Engineering. IEEE Journal of Selected Topics in Quantum Electronics, 2011, 17, 1078-1091.	2.9	31
102	Demonstration of a multichannel, multiresolution imaging system. Applied Optics, 2013, 52, 6081.	1.8	31
103	Cryogel-PCL combination scaffolds for bone tissue repair. Journal of Materials Science: Materials in Medicine, 2015, 26, 123.	3.6	31
104	Photo-crosslinkable recombinant collagen mimics for tissue engineering applications. Journal of Materials Chemistry B, 2019, 7, 3100-3108.	5.8	31
105	Design of illumination optics with extended sources based on wavefront tailoring. Optica, 2019, 6, 966.	9.3	30
106	Optimal radii of photonic crystal holes within DBR mirrors in long wavelength VCSEL. Optics Express, 2007, 15, 1301.	3.4	29
107	Discrete Out-of-Plane Coupling Components for Printed Circuit Board-Level Optical Interconnections. IEEE Photonics Technology Letters, 2007, 19, 1753-1755.	2.5	29
108	Hot Embossing of Microoptical Components Prototyped by Deep Proton Writing. IEEE Photonics Technology Letters, 2008, 20, 1539-1541.	2.5	29

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109	Radiation Sensitivity of EDFAs Based on Highly Er-Doped Fibers. Journal of Lightwave Technology, 2009, 27, 1540-1545.	4.6	29
110	Paper coatings with multi-scale roughness evaluated at different sampling sizes. Applied Surface Science, 2011, 257, 5613-5625.	6.1	29
111	A XANES study of chromophores: the case of black glass. Analytical Methods, 2014, 6, 2662-2671.	2.7	29
112	Polarization switching and injection locking in vertical-cavity surface-emitting lasers subject to parallel optical injection. Optics Letters, 2016, 41, 2664.	3.3	29
113	Clear to clear laser welding for joining thermoplastic polymers: A comparative study based on physicochemical characterization. Journal of Materials Processing Technology, 2018, 255, 808-815.	6.3	29
114	Stokes-Anti-Stokes Iterative Resonator Method for Modeling Raman Lasers. IEEE Journal of Quantum Electronics, 2006, 42, 1144-1156.	1.9	28
115	Effect of the Fiber Coating on the Radiation Sensitivity of Type I FBGs. IEEE Photonics Technology Letters, 2008, 20, 1802-1804.	2.5	28
116	Polarization switching and polarization mode hopping in quantum dot vertical-cavity surface-emitting lasers. Optics Express, 2011, 19, 2476.	3.4	28
117	Photonic Crystal Fiber With Large Mode Area and Characteristic Bending Properties. IEEE Photonics Technology Letters, 2012, 24, 1409-1411.	2.5	28
118	Refractive laser beam shaping by means of a functional differential equation based design approach. Optics Express, 2014, 22, 8001.	3.4	28
119	Endothelialization and Anticoagulation Potential of Surface-Modified PET Intended for Vascular Applications. Macromolecular Bioscience, 2018, 18, e1800125.	4.1	28
120	Self-pulsations and excitability in optically injected quantum-dot lasers: Impact of the excited states and spontaneous emission noise. Physical Review A, 2010, 82, .	2.5	27
121	Sensing characteristics of the rocking filters in microstructured fibers optimized for hydrostatic pressure measurements. Optics Express, 2012, 20, 23320.	3.4	27
122	Disbond monitoring in adhesive joints using shear stress optical fiber sensors. Smart Materials and Structures, 2014, 23, 075006.	3.5	27
123	Microstructured optical fiber Bragg grating as an internal three-dimensional strain sensor for composite laminates. Smart Materials and Structures, 2015, 24, 055003.	3.5	27
124	Compact illumination optic with three freeform surfaces for improved beam control. Optics Express, 2017, 25, 29627.	3.4	27
125	Residence time distribution and coherence resonance of optical-feedback-induced polarization mode hopping in vertical-cavity surface-emitting lasers. Physical Review A, 2004, 69, .	2.5	26
126	Phase and group modal birefringence of triple-defect photonic crystal fibres. Journal of Optics, 2005, 7, 763-766.	1.5	26

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127	Selective optical broadcast component for reconfigurable multiprocessor interconnects. IEEE Journal of Selected Topics in Quantum Electronics, 2006, 12, 828-837.	2.9	26
128	Optical spectroscopy as a rapid and low-cost tool for the first-line analysis of glass artefacts: a step-by-step plan for Roman green glass. Journal of Archaeological Science, 2011, 38, 2387-2398.	2.4	26
129	Assessment and numerical search for minimal Taylorâ€™s Aris dispersion in micro-machined channels of nearly rectangular cross-section. Journal of Chromatography A, 2014, 1368, 70-81.	3.7	26
130	Designer Descemet Membranes Containing PDLLA and Functionalized Gelatins as Corneal Endothelial Scaffold. Advanced Healthcare Materials, 2020, 9, e2000760.	7.6	25
131	High-precision 2-D SM fiber connectors fabricated through deep proton writing. IEEE Photonics Technology Letters, 2006, 18, 1164-1166.	2.5	24
132	Optical measurements and pattern-recognition techniques for identifying the characteristics of beer and distinguishing Belgian beers. Sensors and Actuators B: Chemical, 2013, 179, 140-149.	7.8	24
133	3D direct laser writing of microstructured optical fiber tapers on single-mode fibers for mode-field conversion. Optics Express, 2020, 28, 36147.	3.4	24
134	Measurements of sensitivity to hydrostatic pressure and temperature in highly birefringent photonic crystal fibers. Optical and Quantum Electronics, 2007, 39, 481-489.	3.3	23
135	Optical fiber spectroscopy for measuring quality indicators of lubricant oils. Measurement Science and Technology, 2009, 20, 034011.	2.6	23
136	Fast quantum-optical random-number generators. Physical Review A, 2013, 87, .	2.5	23
137	Experimental observation of localized structures in medium size VCSELs. Optics Express, 2014, 22, 762.	3.4	23
138	Laser ablation- and plasma etching-based patterning of graphene on silicon-on-insulator waveguides. Optics Express, 2015, 23, 26639.	3.4	23
139	Speckle disturbance limit in laser-based cinema projection systems. Scientific Reports, 2015, 5, 14105.	3.3	23
140	Automated freeform imaging system design with generalized ray tracing and simultaneous multi-surface analytic calculation. Optics Express, 2021, 29, 17227.	3.4	23
141	Mapping of two-polarization-mode dynamics in vertical-cavity surface-emitting lasers with optical injection. Physical Review E, 2009, 80, 026218.	2.1	22
142	Influence of Fiber Orientation on Femtosecond Bragg Grating Inscription in Pure Silica Microstructured Optical Fibers. IEEE Photonics Technology Letters, 2011, 23, 1832-1834.	2.5	22
143	Electrically Controllable Liquid Crystal Component for Efficient Light Steering. IEEE Photonics Journal, 2015, 7, 1-13.	2.0	22
144	Authenticity screening of stained glass windows using optical spectroscopy. Scientific Reports, 2016, 6, 37726.	3.3	22

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145	Analytical evaluation of bending loss oscillations in photonic crystal fibers. Optics Communications, 2007, 269, 261-270.	2.1	21
146	Demonstration of a multiview projection display using decentered microlens arrays. Optics Express, 2010, 18, 26092.	3.4	21
147	Coupled-cavity surface-emitting lasers: spectral and polarization threshold characteristics and electrooptic switching. Optics Express, 2010, 18, 27525.	3.4	21
148	Temperature-insensitive polarimetric vibration sensor based on HiBi microstructured optical fiber. Applied Optics, 2012, 51, 6130.	1.8	21
149	Analytic design of a zoom XY-beam expander with freeform optical surfaces. Optics Express, 2015, 23, 30438.	3.4	21
150	Vector cavity solitons in broad area Vertical-Cavity Surface-Emitting Lasers. Scientific Reports, 2016, 6, 20428.	3.3	21
151	Polydopamine as Gelatin as Universal Cell-Interactive Coating for Methacrylate-Based Medical Device Packaging Materials: When Surface Chemistry Overrides Substrate Bulk Properties. Biomacromolecules, 2016, 17, 56-68.	5.4	21
152	Extending the effective index method for arbitrarily shaped inhomogeneous optical waveguides. Journal of Lightwave Technology, 1988, 6, 1153-1159.	4.6	20
153	Laser Ablated Micromirrors for Printed Circuit Board Integrated Optical Interconnections. IEEE Photonics Technology Letters, 2007, 19, 822-824.	2.5	20
154	Embedded Micromirror Inserts for Optical Printed Circuit Boards. IEEE Photonics Technology Letters, 2008, 20, 1727-1729.	2.5	20
155	Opportunities for wavelength conversion with on-chip diamond ring resonators. Laser and Photonics Reviews, 2012, 6, 793-801.	8.7	20
156	Free-Form Optics Enhanced Confocal Raman Spectroscopy for Optofluidic Lab-on-Chips. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 79-86.	2.9	20
157	Self-consistent stationary description of a nonlinear fabry-perot. Optics Communications, 1989, 71, 317-322.	2.1	19
158	Optical response of conjugated polymers. Physical Review B, 1993, 48, 8651-8657.	3.2	19
159	Data transparent reconfigurable optical interconnections based on polarization-switching VCSELs and polarization-selective diffractive optical elements. IEEE Photonics Technology Letters, 1998, 10, 973-975.	2.5	19
160	SPAD arrays and micro-optics: towards a real single photon spectrometer. Journal of Modern Optics, 2007, 54, 199-212.	1.3	19
161	Gamma radiation induced loss in erbium doped optical fibers. Journal of Non-Crystalline Solids, 2007, 353, 477-480.	3.1	19
162	Miniaturization of Fresnel lenses for solar concentration: a quantitative investigation. Applied Optics, 2010, 49, 2339.	2.1	19

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163	Quasi-Phase-Matching of Four-Wave-Mixing-Based Wavelength Conversion by Phase-Mismatch Switching. <i>Journal of Lightwave Technology</i> , 2013, 31, 2113-2121.	4.6	19
164	Opportunities for Wideband Wavelength Conversion in Foundry-Compatible Silicon Waveguides Covered With Graphene. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016, 22, 347-359.	2.9	19
165	Mode-field Matching Down-Tapers on Single-Mode Optical Fibers for Edge Coupling Towards Generic Photonic Integrated Circuit Platforms. <i>Journal of Lightwave Technology</i> , 2020, 38, 4834-4842.	4.6	19
166	Tolerance Analysis for Multilayer Optical Interconnections Integrated on a Printed Circuit Board. <i>Journal of Lightwave Technology</i> , 2007, 25, 2395-2401.	4.6	18
167	Core Versus Cladding Effects of Proton Irradiation on Erbium-Doped Optical Fiber: Micro-Luminescence Study. <i>IEEE Transactions on Nuclear Science</i> , 2008, 55, 2223-2228.	2.0	18
168	Polarization Switching in Quantum-Dot Vertical-Cavity Surface-Emitting Lasers. <i>IEEE Photonics Technology Letters</i> , 2009, 21, 1008-1010.	2.5	18
169	Low-Loss Patch Cords by Effective Splicing of Various Photonic Crystal Fibers With Standard Single Mode Fiber. <i>Journal of Lightwave Technology</i> , 2011, 29, 2940-2946.	4.6	18
170	Raman spectroscopy as a rapid screening method for ancient plain window glass. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 1055-1061.	2.5	18
171	Two-photon direct laser writing of beam expansion tapers on single-mode optical fibers. <i>Optics and Laser Technology</i> , 2019, 112, 292-298.	4.6	18
172	Two-beam nonlinear Fabry-Perot transmission characteristics. <i>Optics Communications</i> , 1989, 74, 238-244.	2.1	17
173	Laser cleaving of glass fibers and glass fiber arrays. <i>Journal of Lightwave Technology</i> , 2005, 23, 609-614.	4.6	17
174	Diffusion limitation: a possible source for the occurrence of doughnut patterns on DNA microarrays. <i>BioTechniques</i> , 2006, 41, 609-616.	1.8	17
175	Low-speckle laser projection with a broad-area vertical-cavity surface-emitting laser in the nonmodal emission regime. <i>Applied Optics</i> , 2009, 48, 792.	2.1	17
176	Coherent anti-Stokes Raman scattering in Raman lasers and Raman wavelength converters. <i>Laser and Photonics Reviews</i> , 2010, 4, 656-670.	8.7	17
177	Vertical-cavity surface-emitting laser with liquid crystal overlay. <i>Optics Express</i> , 2011, 19, 16749.	3.4	17
178	Mass-manufacturable polymer microfluidic device for dual fiber optical trapping. <i>Optics Express</i> , 2015, 23, 30991.	3.4	17
179	Plastic Microlens Arrays by Deep Lithography with Protons: Fabrication and Characterization. <i>Japanese Journal of Applied Physics</i> , 2004, 43, 5832-5839.	1.5	16
180	Design and tolerance analysis of a low bending loss hole-assisted fiber using statistical design methodology. <i>Optics Express</i> , 2008, 16, 5061.	3.4	16

#	ARTICLE	IF	CITATIONS
181	Dynamics of vertical-cavity surface-emitting lasers with optical injection: a two-mode model approach. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009, 26, 1603.	2.1	16
182	Relation between optical non-contact profilometry and AFM roughness parameters on coated papers with oil-filled nanoparticles. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 82, 75-93.	5.0	16
183	SERS using two-photon polymerized nanostructures for mycotoxin detection. <i>RSC Advances</i> , 2020, 10, 14274-14282.	3.6	16
184	Introduction to the issue on optical interconnects. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2003, 9, 347-349.	2.9	15
185	Investigation of Polarization Properties of VCSELs Subject to Optical Feedback From an Extremely Short External Cavityâ€”Part II: Experiments. <i>IEEE Journal of Quantum Electronics</i> , 2006, 42, 102-107.	1.9	15
186	Highly birefringent and dichroic photonic crystal VCSEL design. <i>Optics Communications</i> , 2008, 281, 3149-3152.	2.1	15
187	Miniaturized Detection System for Fluorescence and Absorbance Measurements in Chromatographic Applications. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2008, 14, 140-150.	2.9	15
188	Impact of light polarization on chaos synchronization of mutually coupled VCSELs. <i>Optics Letters</i> , 2008, 33, 3031.	3.3	15
189	Optimal photonic-crystal parameters assuring single-mode operation of 1300 nm AlInGaAs vertical-cavity surface-emitting laser. <i>Journal of Applied Physics</i> , 2009, 105, 093102.	2.5	15
190	Two LCOS full color projector with efficient LED illumination engine. <i>Displays</i> , 2009, 30, 155-163.	3.7	15
191	Low-Power Reconfigurable Network Architecture for On-Chip Photonic Interconnects. , 2009, , .		15
192	Highly birefringent soft glass rectangular photonic crystal fibers with elliptical holes. <i>Applied Physics B: Lasers and Optics</i> , 2010, 99, 13-17.	2.2	15
193	Intrinsic gain switching in optically injected quantum dot laser lasing simultaneously from the ground and excited state. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2010, 27, 2416.	2.1	15
194	Low-Loss Millimeter-Length Waveguides and Grating Couplers in Single-Crystal Diamond. <i>Journal of Lightwave Technology</i> , 2016, 34, 5576-5582.	4.6	15
195	Chaos synchronization in mutually coupled 1550-nm vertical-cavity surface-emitting lasers with parallel polarizations and long delay time. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016, 33, 90.	2.1	15
196	Polarization dynamics induced by parallel optical injection in a single-mode VCSEL. <i>Optics Letters</i> , 2017, 42, 2130.	3.3	15
197	Technological advancements for the development of stem cell-based models for hepatotoxicity testing. <i>Archives of Toxicology</i> , 2019, 93, 1789-1805.	4.2	15
198	Miniaturized broadband spectrometer based on a three-segment diffraction grating for spectral tissue sensing. <i>Optics and Lasers in Engineering</i> , 2020, 134, 106157.	3.8	15

#	ARTICLE	IF	CITATIONS
199	Parallel optoelectronic data transcription with fan-out between planes of PnpN optical thyristors. IEEE Photonics Technology Letters, 1996, 8, 464-466.	2.5	14
200	Demonstration of optoelectronic logic operations with differential pairs of optical thyristors. IEEE Photonics Technology Letters, 1996, 8, 467-469.	2.5	14
201	Compact optical imaging system for arrays of optical thyristors. Applied Optics, 1997, 36, 3070.	2.1	14
202	Optically interconnected integrated circuits to solve the CMOS interconnect bottleneck. , 0, , .		14
203	Demonstration of a monolithic multichannel module for multi-Gb/s intra-MCM optical interconnects. IEEE Photonics Technology Letters, 1998, 10, 1629-1631.	2.5	14
204	Fast optical thresholding with an array of optoelectronic transceiver elements. IEEE Photonics Technology Letters, 1999, 11, 367-369.	2.5	14
205	A novel microstep device for the size separation of cells. Electrophoresis, 2004, 25, 1714-1722.	2.4	14
206	Polarized optical feedback from an extremely short external cavity for controlling and stabilizing the polarization of vertical cavity surface emitting lasers. Applied Physics Letters, 2007, 90, 121104.	3.3	14
207	Modal gain and confinement factors in top- and bottom-emitting photonic-crystal VCSEL. Journal Physics D: Applied Physics, 2008, 41, 085102.	2.8	14
208	Vertical-cavity surface-emitting laser emitting circularly polarized light. Laser Physics Letters, 2013, 10, 105003.	1.4	14
209	Multi-fields direct design approach in 3D: calculating a two-surface freeform lens with an entrance pupil for line imaging systems. Optics Express, 2015, 23, 34042.	3.4	14
210	Incoupling and outcoupling of light from a luminescent rod using a compound parabolic concentrator. Optical Engineering, 2015, 54, 055101.	1.0	14
211	Thermal effects on the photoelastic coefficient of polymer optical fibers. Optics Letters, 2016, 41, 2517.	3.3	14
212	Electrically tunable VCSEL with intra-cavity liquid crystal: Design, optimization, and analysis of polarization- and mode-stability. Optics Communications, 2018, 427, 271-277.	2.1	14
213	Predicting Graphene's Nonlinear Optical Refractive Response for Propagating Pulses. Laser and Photonics Reviews, 2020, 14, 1900402.	8.7	14
214	Design and two-photon direct laser writing of low-loss waveguides, tapers and S-bends. JPhys Photonics, 2021, 3, 045001.	4.6	14
215	Modeling of the polarization behavior of elliptical surface-relief VCSELs. Optical and Quantum Electronics, 2005, 37, 241-252.	3.3	13
216	Photonic crystal fibers with material anisotropy. Optical and Quantum Electronics, 2005, 37, 253-264.	3.3	13

#	ARTICLE	IF	CITATIONS
217	Efficient illumination in LED-based projection systems using lenslet integrators. , 2006, 6196, 48.		13
218	Photonic crystal fibers: new opportunities for sensing. Proceedings of SPIE, 2007, , .	0.8	13
219	Spatially Resolved Characterization of the Coherence Area in the Incoherent Emission Regime of a Broad-Area Vertical-Cavity Surface-Emitting Laser. IEEE Journal of Quantum Electronics, 2009, 45, 249-255.	1.9	13
220	Nonlinear Dynamics of Vertical-Cavity Surface-Emitting Lasers. Advances in Optical Technologies, 2011, 2011, 1-16.	0.8	13
221	Design of a multichannel, multiresolution smart imaging system. Applied Optics, 2012, 51, 4810.	1.8	13
222	Exploring the speed limits of liquid chromatography using shear-driven flows through 45 and 85 nm deep nano-channels. Analyst, The, 2013, 138, 6127.	3.5	13
223	Photonic Crystal Mikaelian Lenses and Their Potential Use as Transverse Focusing Elements in Microstructured Fibers. IEEE Photonics Journal, 2013, 5, 7100512-7100512.	2.0	13
224	Non-destructive detection of mycotoxins in maize kernels using diffuse reflectance spectroscopy. Food Control, 2016, 70, 48-57.	5.5	13
225	Design of infrared and ultraviolet Raman lasers based on grating-coupled integrated diamond ring resonators. Journal of the Optical Society of America B: Optical Physics, 2016, 33, B5.	2.1	13
226	Reflective liquid crystal hybrid beam-steerer. Optics Express, 2016, 24, 21541.	3.4	13
227	On the Characterization of Novel Step-Index Biocompatible and Biodegradable poly(D,L-lactic acid) Based Optical Fiber. Journal of Lightwave Technology, 2020, 38, 1905-1914.	4.6	13
228	Challenges in the Fabrication of Biodegradable and Implantable Optical Fibers for Biomedical Applications. Materials, 2021, 14, 1972.	2.9	13
229	A new generation of low-voltage single-photon micro-sensors with timing capability. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 567, 83-88.	1.6	12
230	Enhanced cross phase modulation instability in birefringent photonic crystal fibers in the anomalous dispersion regime. Optics Express, 2006, 14, 8290.	3.4	12
231	Projection display for the generation of two orthogonal polarized images using liquid crystal on silicon panels and light emitting diodes. Applied Optics, 2008, 47, 1535.	2.1	12
232	Electrical Design of High-Speed Electro-Optically Modulated Coupled-Cavity VCSELs. Journal of Lightwave Technology, 2011, 29, 2992-2998.	4.6	12
233	Supercontinuum generation in all-solid photonic crystal fiber with low index core. Laser Physics, 2012, 22, 784-790.	1.2	12
234	Energy-per-Bit Limits in Plasmonic Integrated Photodetectors. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 3800210-3800210.	2.9	12

#	ARTICLE	IF	CITATIONS
235	Photo-crosslinkable biopolymers targeting stem cell adhesion and proliferation: the case study of gelatin and starch-based IPNs. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 104.	3.6	12
236	Direct design approach to calculate a two-surface lens with an entrance pupil for application in wide field-of-view imaging. <i>Optical Engineering</i> , 2015, 54, 015102.	1.0	12
237	Numerical modeling of femtosecond laser inscribed IR gratings in photonic crystal fibers. <i>Optics Express</i> , 2015, 23, 709.	3.4	12
238	Characterizing Flow-Induced Vibrations of Fuel Assemblies for Future Liquid Metal Cooled Nuclear Reactors Using Quasi-Distributed Fibre-Optic Sensors. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 864.	2.5	12
239	<title>Polarization switching and modulation dynamics in gain- and index-guided VCSELs</title>. , 2000, , .		11
240	High-impedance high-frequency silicon detector response for precise receiverless optical clock injection. , 2002, 4654, 78.		11
241	Optical pump-probe measurements of the latency of silicon CMOS optical interconnects. <i>IEEE Photonics Technology Letters</i> , 2002, 14, 1214-1216.	2.5	11
242	Intensity behavior underlying pulse packages in semiconductor lasers that are subject to optical feedback. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2005, 22, 777.	2.1	11
243	Tailoring light polarization in vertical cavity surface emitting lasers by isotropic optical feedback from an extremely short external cavity. <i>Applied Physics Letters</i> , 2006, 89, 091102.	3.3	11
244	Thermally Controlled Onset of Spatially Incoherent Emission in a Broad-Area Vertical-Cavity Surface-Emitting Laser. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2009, 15, 555-562.	2.9	11
245	Strong modes discrimination and low threshold in cw regime of 1300 nm AlInGaAs/InP VCSEL induced by photonic crystal. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 1396-1403.	1.8	11
246	Multi-Parameter Sensing Based on Photonic Liquid Crystal Fibers. <i>Molecular Crystals and Liquid Crystals</i> , 2009, 502, 220-234.	0.9	11
247	Micro-optic reflection and transmission interferometer for complete microlens characterization. <i>Measurement Science and Technology</i> , 2009, 20, 025901.	2.6	11
248	Stereoscopic projector for polarized viewing with extended color gamut. <i>Displays</i> , 2010, 31, 73-81.	3.7	11
249	Quasi-Phase-Matched Cavity-Enhanced Raman Converter Based on a Silicon Nanowire Ring. <i>IEEE Photonics Technology Letters</i> , 2010, 22, 1796-1798.	2.5	11
250	Towards micro-structured optical fiber sensors for transverse strain sensing in smart composite materials. , 2011, , .		11
251	B-CALM: An open-source GPU-based 3D-FDTD with multi-pole dispersion for plasmonics. <i>Optical and Quantum Electronics</i> , 2012, 44, 285-290.	3.3	11
252	Low-coherence interferometry with polynomial interpolation on Compute Unified Device Architecture-enabled graphics processing units. <i>Optical Engineering</i> , 2013, 52, 094105.	1.0	11

#	ARTICLE	IF	CITATIONS
253	Measurement of Temperature-Dependent Polarization Parameters in Long-Wavelength VCSELs. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 636-642.	2.9	11
254	Optimization of electrically tunable VCSEL with intracavity nematic liquid crystal. Optics Express, 2015, 23, 15706.	3.4	11
255	Photonics enhanced sensors for food monitoring: part 1. IEEE Instrumentation and Measurement Magazine, 2016, 19, 35-45.	1.6	11
256	Light through glass: The spectrum of Late Antique glass from Cyprus. Journal of Archaeological Science: Reports, 2016, 7, 614-624.	0.5	11
257	Injection Locking and Polarization Switching Bistability in a 1550 nm VCSEL Subject to Parallel Optical Injection. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 1-10.	2.9	11
258	First resonance energy transfer in fluorophore labeled poly(2-ethyl-2-oxazoline)s. Journal of Materials Chemistry C, 2020, 8, 14125-14137.	5.5	11
259	Origin of the saturation of the third-order optical nonlinear response of one-dimensional conjugated systems. Chemical Physics Letters, 1997, 270, 471-475.	2.6	10
260	Deep lithography with protons: a generic technology for the fabrication of refractive micro-optical modules. , 0, , .		10
261	Two-dimensional optical interconnect between CMOS IC's. , 0, , .		10
262	<title>Replication of refractive micro-optomechanical components made with deep lithography with protons</title>. , 2001, 4408, 329.		10
263	Quantitative topography characterization of surfaces with asymmetric roughness induced by AC-graining on aluminium. Surface and Coatings Technology, 2006, 201, 918-926.	4.8	10
264	Comparison of the light output of LCOS projection architectures using LEDs. Displays, 2008, 29, 1-9.	3.7	10
265	The Behavior of CARS in Anti-Stokes Raman Converters Operating at Exact Raman Resonance. IEEE Journal of Quantum Electronics, 2008, 44, 1248-1255.	1.9	10
266	An insect eye-based image sensor with very large field of view. , 2010, , .		10
267	The identification of chromophores in ancient glass by the use of UV-VIS-NIR spectroscopy. , 2010, , .		10
268	Colour and Chemistry of the Glass Finds in the Roman Villa of Treignes, Belgium. Procedia Chemistry, 2013, 8, 55-64.	0.7	10
269	B-CALM: AN OPEN-SOURCE MULTI-GPU-BASED 3D-FDTD WITH MULTI-POLE DISPERSION FOR PLASMONICS. Progress in Electromagnetics Research, 2013, 138, 467-478.	4.4	10
270	Design of large scale plasmonic nanoslit arrays for arbitrary mode conversion and demultiplexing. Optics Express, 2014, 22, 646.	3.4	10

#	ARTICLE	IF	CITATIONS
271	Polarization Switching Regions of Optically Injected Long-Wavelength VCSELs. IEEE Journal of Quantum Electronics, 2014, 50, 921-928.	1.9	10
272	Plastic light coupler for absorbance detection in silicon microfluidic channels. Microfluidics and Nanofluidics, 2015, 18, 559-568.	2.2	10
273	Optical-quality controllable wet-chemical doping of graphene through a uniform, transparent and low-roughness F4-TCNQ/MEK layer. RSC Advances, 2016, 6, 104491-104501.	3.6	10
274	Single lithography-step self-aligned fabrication process for Vertical-Cavity Surface-Emitting Lasers. Materials Science in Semiconductor Processing, 2017, 61, 35-38.	4.0	10
275	Anomalous transparency in photonic crystals and its application to point-by-point grating inscription in photonic crystal fibers. Scientific Reports, 2018, 8, 5470.	3.3	10
276	Single-Polarization Single-Mode Photonic Band Gap Fiber. Acta Physica Polonica A, 2007, 111, 239-245.	0.5	10
277	Opportunities for visible supercontinuum light generation in integrated diamond waveguides. Optics Letters, 2017, 42, 3804.	3.3	10
278	Sensitivity of holey fiber based sensors. , 0, , .		9
279	Full vectorial electromagnetic modeling of vertical-cavity surface-emitting diode lasers by the plane wave admittance method. , 2006, 6185, 290.		9
280	Role of external cavity reflectivity for achieving polarization control and stabilization of vertical cavity surface emitting laser. Applied Physics Letters, 2007, 90, 031117.	3.3	9
281	Mitigating Heat Dissipation in Near- and Mid-Infrared Silicon-Based Raman Lasers Using CARS Part I: Theoretical Analysis. IEEE Journal of Selected Topics in Quantum Electronics, 2007, 13, 770-782.	2.9	9
282	Predicting the performance of reconfigurable optical interconnects in distributed shared-memory systems. Photonic Network Communications, 2008, 15, 25-40.	2.7	9
283	Mass Manufacturable 180° Bend Single-Mode Fiber Socket Using Hole-Assisted Low Bending Loss Fiber. IEEE Photonics Technology Letters, 2008, 20, 187-189.	2.5	9
284	Light propagation in highly birefringent photonic liquid crystal fibers. Opto-electronics Review, 2009, 17, .	2.4	9
285	Optical spectroscopy applied to the analysis of medieval and post-medieval plain flat glass fragments excavated in Belgium. , 2010, , .		9
286	Numerical characterization of an ultra-high NA coherent fiber bundle part I: modal analysis. Optics Express, 2013, 21, 21991.	3.4	9
287	Two-channel multiresolution refocusing imaging system using a tunable liquid lens. Applied Optics, 2014, 53, 4002.	1.8	9
288	Analysis of the polarization of single-mode vertical-cavity surface-emitting lasers subject to parallel optical injection. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 447.	2.1	9

#	ARTICLE	IF	CITATIONS
289	Fibre Bragg Gratings in Embedded Microstructured Optical Fibres Allow Distinguishing between Symmetric and Anti-Symmetric Lamb Waves in Carbon Fibre Reinforced Composites. <i>Sensors</i> , 2017, 17, 1948.	3.8	9
290	Directional Coupler Based on Single-Crystal Diamond Waveguides. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2018, 24, 1-9.	2.9	9
291	Influence of gamma radiation on the electrooptic behavior of planar nematic liquid crystal cells. <i>IEEE Photonics Technology Letters</i> , 1997, 9, 481-483.	2.5	8
292	<title>Intracavity contacted VCSELs with polarization control</title>. , 2000, , .		8
293	<title>Demonstrating optoelectronic interconnect in a FPGA-based prototype system using flip-chip mounted 2D arrays of optical components and 2D POF-ribbon arrays as optical pathways</title>. , 2001, , .		8
294	Ion micro-beam diagnostics with photodetectors. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003, 209, 340-344.	1.4	8
295	Interplay of form and material birefringence in photonic crystal fibers: application for sensing. , 0, , .		8
296	Propagation of spatially partially coherent emission from a vertical-cavity surface-emitting laser. <i>Optics Letters</i> , 2006, 31, 1178.	3.3	8
297	Increased lumens per Å©tendue by combining pulsed light-emitting diodes. <i>Optical Engineering</i> , 2006, 45, 034002.	1.0	8
298	Two liquid crystal on silicon panel projector with efficient light-emitting diode illumination engine. <i>Optical Engineering</i> , 2007, 46, 124002.	1.0	8
299	14.1: Efficient and Compact Illumination in LED Projection Displays. <i>Digest of Technical Papers SID International Symposium</i> , 2007, 38, 947-950.	0.3	8
300	Pulsed X-Ray and Continuous Gamma Radiation Effects on Erbium Doped Optical Fibers Properties. <i>IEEE Transactions on Nuclear Science</i> , 2007, 54, 2598-2603.	2.0	8
301	Interferometric technique for faceted microstructure metrology using an index matching liquid. <i>Applied Optics</i> , 2010, 49, 732.	2.1	8
302	The potential of UV-VIS-NIR absorption spectroscopy in glass studies. <i>Proceedings of SPIE</i> , 2012, , .	0.8	8
303	Deep Proton Writing for the rapid prototyping of polymer micro-components for optical interconnects and optofluidics. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2013, 307, 243-247.	1.4	8
304	Vertical-Cavity Surface-Emitting Laser With Cholesteric Liquid Crystal Overlay. <i>Journal of Lightwave Technology</i> , 2014, 32, 20-26.	4.6	8
305	Mechanical Strength of Microstructured Optical Fibers. <i>Journal of Lightwave Technology</i> , 2014, 32, 2193-2201.	4.6	8
306	Spectroscopic monitoring and melt pool temperature estimation during the laser metal deposition process. <i>Journal of Laser Applications</i> , 2016, 28, .	1.7	8

#	ARTICLE	IF	CITATIONS
307	Ring opening copolymerisation of lactide and mandelide for the development of environmentally degradable polyesters with controllable glass transition temperatures. Reactive and Functional Polymers, 2018, 128, 16-23.	4.1	8
308	<title>Radiation effects on nematic liquid crystal devices</title>. , 1996, , .		7
309	Preliminary results on high-total-dose testing of semiconductor photonic sources: a comparison of VCSELs and resonant-cavity LEDs. , 1998, 3440, 47.		7
310	Performances of optical multi-chip-module interconnects: comparing guided-wave and free-space pathways. Journal of Optics, 1999, 1, 255-261.	1.5	7
311	<title>Increased lumens per etendue by combining pulsed LEDs</title>. , 2005, , .		7
312	Design, fabrication, and replication of micro-optical components for educational purposes within the network of excellence in micro-optics (NEMO). , 2006, 6185, 91.		7
313	SINPHOS - SINGle PHOton Spectrometer for biomedical application. Nuclear Physics, Section B, Proceedings Supplements, 2006, 150, 317-320.	0.4	7
314	Optomechanical Monte Carlo Tolerancing Study of a Packaged Free-Space Intra-MCM Optical Interconnect System. IEEE Journal of Selected Topics in Quantum Electronics, 2006, 12, 988-996.	2.9	7
315	Mitigating Heat Dissipation in Near- and Mid-Infrared Silicon-Based Raman Lasers Using CARSâ€™Part II: Numerical Demonstration. IEEE Journal of Selected Topics in Quantum Electronics, 2007, 13, 783-788.	2.9	7
316	LED projector with two liquid crystal on silicon light valves and a flyâ€™s eye integrator. Displays, 2008, 29, 464-470.	3.7	7
317	Replication of deep micro-optical components prototyped by Deep Proton Writing. , 2008, , .		7
318	Tolerance Design of an Optomechanical Transmitter Assembly for Automotive Applications. IEEE Photonics Technology Letters, 2009, 21, 1178-1180.	2.5	7
319	Design of a compact projection display for the visualization of 3D images using polarization sensitive eyeglasses. Journal of the Society for Information Display, 2009, 17, 603-609.	2.1	7
320	Tolerance analysis of a micro-optical detection system for on-line monitoring of lubricant oils. Journal of Micromechanics and Microengineering, 2010, 20, 105018.	2.6	7
321	In Situ Interferometric Monitoring of Fiber Insertion in Fiber Connector Components. IEEE Photonics Technology Letters, 2010, 22, 60-62.	2.5	7
322	Optimized wavelength conversion in silicon waveguides based on off-Raman-resonance operation: extending the phase mismatch formalism. Optics Express, 2011, 19, 18810.	3.4	7
323	Low-loss wavelength tuning of a mid-infrared Cr ²⁺ :ZnSe laser using a Littrow-mounted resonant diffraction grating. Laser Physics Letters, 2011, 8, 606-612.	1.4	7
324	Dental composite resins: measuring the polymerization shrinkage using optical fiber Bragg grating sensors. Proceedings of SPIE, 2012, , .	0.8	7

#	ARTICLE	IF	CITATIONS
325	Propagation of partially coherent light through a light pipe. <i>Optics Express</i> , 2013, 21, 17007.	3.4	7
326	Total internal reflection-based module for fluorescence and absorbance detection. <i>Journal of Micro/ Nanolithography, MEMS, and MOEMS</i> , 2014, 13, 033001.	0.9	7
327	Design and prototyping of self-centering optical single-mode fiber alignment structures. <i>Journal of Micromechanics and Microengineering</i> , 2016, 26, 065007.	2.6	7
328	Enhancement of Chaos Bandwidth in VCSELs Induced by Simultaneous Orthogonal Optical Injection and Optical Feedback. <i>IEEE Journal of Quantum Electronics</i> , 2016, 52, 1-9.	1.9	7
329	Vertical electro-absorption modulator design and its integration in a VCSEL. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 145101.	2.8	7
330	Monitoring of Torque Induced Strain in Composite Shafts with Embedded and Surface-Mounted Optical Fiber Bragg Gratings. <i>Sensors</i> , 2021, 21, 2403.	3.8	7
331	Plasmon-Enhanced Refractometry Through Cladding Mode Excitation by a Fiber Bragg Grating in Photonic Crystal Fiber. <i>Journal of Lightwave Technology</i> , 2022, 40, 1121-1129.	4.6	7
332	An alignment technique for a ring laser cavity. <i>Optics and Laser Technology</i> , 1984, 16, 269-270.	4.6	6
333	Polarization-based reconfigurable optical interconnects in free-space optical processing modules. <i>IEEE Photonics Technology Letters</i> , 1998, 10, 367-369.	2.5	6
334	Polarization behavior of vertical-cavity surface-emitting lasers under the influence of in-plane anisotropic strain. , 2002, 4649, 281.		6
335	Mathematical morphology operations with a comparator array processor. <i>Optics Letters</i> , 2002, 27, 1818.	3.3	6
336	Laser-ablated coupling structures for stacked optical interconnections on printed circuit boards. , 2006, , .		6
337	Prototyping micro-optical components with integrated out-of-plane coupling structures using deep lithography with protons. , 2006, 6185, 33.		6
338	Modeling mid-infrared continuous-wave silicon-based Raman lasers. , 2007, , .		6
339	Toward a hyperspectral optical signature of extra virgin olive oil. , 2007, , .		6
340	Transverse mode competition effects on the dynamics of gain-switched vertical-cavity surface-emitting lasers. <i>Applied Physics Letters</i> , 2008, 93, 131103.	3.3	6
341	Depolarization of light in microstructured fibers filled with liquid crystals. <i>Opto-electronics Review</i> , 2009, 17, .	2.4	6
342	Fully Flexible Optoelectronic Foil. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2010, 16, 1355-1362.	2.9	6

#	ARTICLE	IF	CITATIONS
343	Single projector multiview displays: directional illumination compared to beam steering. Proceedings of SPIE, 2010, , .	0.8	6
344	Fundamentals of Image Processing. , 2011, , 71-96.		6
345	Using optical spectroscopy to characterize the material of a 16thc. stained glass window. , 2012, , .		6
346	Perfect imaging of three object points with only two analytic lens surfaces in two dimensions. , 2012, , .		6
347	Efficient disparity vector prediction schemes with modified P frame for 2D camera arrays. Journal of Visual Communication and Image Representation, 2012, 23, 287-292.	2.8	6
348	Numerical characterization of an ultra-high NA coherent fiber bundle part II: point spread function analysis. Optics Express, 2013, 21, 25403.	3.4	6
349	Influence of measurement noise on the determination of the radial profile of the photoelastic coefficient in step-index optical fibers. Applied Optics, 2013, 52, 8451.	1.8	6
350	Hot-embossing replication of self-centering optical fiber alignment structures prototyped by deep proton writing. Optical Engineering, 2016, 55, 076112.	1.0	6
351	Photonics enhanced sensors for food monitoring: part 2. IEEE Instrumentation and Measurement Magazine, 2017, 20, 31-37.	1.6	6
352	IR femtosecond pulsed laser-based fiber Bragg grating inscription in a photonic crystal fiber using a phase mask and a short focal length lens. Optics Express, 2018, 26, 14741.	3.4	6
353	Optical fiber-based sensors as an experimental tool to assess the weft and warp yarn tension beam-to-roll in rapier weaving machines. Textile Research Journal, 2020, 90, 857-865.	2.2	6
354	Active Optical Beam Shaping Based on Liquid Crystals and Polymer Micro-Structures. Crystals, 2020, 10, 977.	2.2	6
355	A Tunable Freeform-Segmented Reflector in a Microfluidic System for Conventional and Surface-Enhanced Raman Spectroscopy. Sensors, 2020, 20, 1250.	3.8	6
356	Increasing the Microfabrication Performance of Synthetic Hydrogel Precursors through Molecular Design. Biomacromolecules, 2021, 22, 4919-4932.	5.4	6
357	POLARIZATION DRIVEN POLARIZATION BISTABILITY IN ANISOTROPIC INTERFERENCE FILTERS. Journal of Nonlinear Optical Physics and Materials, 1996, 05, 351-365.	1.8	5
358	<title>Free-space optical interconnect and processing demonstrators with arrays of light-emitting thyristors</title>. , 1997, 3002, 156.		5
359	Polarimetric optical fiber sensors: aspects of sensitivity and practical implementation. Optical Review, 1997, 4, A75.	2.0	5
360	Demonstrating POF based optoelectronic interconnect in a multi-FPGA prototype system. , 0, , .		5

#	ARTICLE	IF	CITATIONS
361	Free-space optical interconnection modules for two-dimensional photonic very large scale integration circuitry based on microlenses and gradient-refractive-index lenses. <i>Optical Engineering</i> , 2001, 40, 2431.	1.0	5
362	Polarization behavior and mode structure of vertical-cavity surface-emitting lasers with elliptical surface relief. , 2003, , .		5
363	Semiconductor lasers for quantum sensing. , 2004, , .		5
364	<title>Photonic crystal fibers: state of the art and future perspectives</title>. , 2004, , .		5
365	Laser ablation and laser direct writing as enabling technologies for the definition of micro-optical elements. , 2005, , .		5
366	Numerical Analysis of Highly Birefringent Photonic Crystal Fibers with Bragg Reflectors. <i>Optical and Quantum Electronics</i> , 2006, 38, 535-545.	3.3	5
367	Predicting reconfigurable interconnect performance in distributed shared-memory systems. <i>The Integration VLSI Journal</i> , 2007, 40, 382-393.	2.1	5
368	Spectral properties of edge-emitting semiconductor laser subject to optical feedback from extremely short external cavity. <i>Optical and Quantum Electronics</i> , 2008, 40, 69-81.	3.3	5
369	Design and Tolerance Analysis of Out-of-Plane Coupling Components for Printed-Circuit-Board-Level Optical Interconnections. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2010, 16, 1347-1354.	2.9	5
370	Color uniformity in compact LED illumination for DMD projectors. , 2010, , .		5
371	Analysis of two novel concepts for multiview three-dimensional displays using one projector. <i>Optical Engineering</i> , 2010, 49, 127401.	1.0	5
372	Polarizing photonic crystal fiber with low index inclusion in the core. <i>Journal of Optics (United Kingdom)</i> 10, 05, 053001.	2.2	5
373	Photonic crystal fiber Bragg grating based sensors: opportunities for applications in healthcare. <i>Proceedings of SPIE</i> , 2011, , .	0.8	5
374	Traveling wave electrode design of electro-optically modulated coupled-cavity surface-emitting lasers. <i>Optics Express</i> , 2012, 20, 26184.	3.4	5
375	Analytic free-form lens design for imaging applications with high aspect ratio. , 2012, , .		5
376	Comprehensive numerical design approach for refractive laser beam shapers to generate annular irradiance profiles. <i>Optical Engineering</i> , 2014, 53, 085103.	1.0	5
377	Photonics enhanced sensors for food monitoring: Part 3. <i>IEEE Instrumentation and Measurement Magazine</i> , 2017, 20, 46-55.	1.6	5
378	Photopolymerizable Materials for Cell Encapsulation. , 2018, , 353-396.		5

#	ARTICLE	IF	CITATIONS
379	High frequency operation of an integrated electro-absorption modulator onto a vertical-cavity surface-emitting laser. JPhys Photonics, 2019, 1, 02LT01.	4.6	5
380	Transverse propagation of ultraviolet and infrared femtosecond laser pulses in photonic crystal fibers. Photonics Letters of Poland, 2012, 4, .	0.4	5
381	<title>Optoelectronic programmable logic array which employs diffractive interconnections</title>. , 1995, , .		4
382	Optical properties of pyrrole oligomers: a coupled quantum oscillator approach. Chemical Physics Letters, 1996, 251, 47-51.	2.6	4
383	Ion microbeam diagnostics with scintillators for application of deep lithography with particles. IEEE Transactions on Nuclear Science, 2003, 50, 774-777.	2.0	4
384	Receiverless detection schemes for optical clock distribution. , 2004, , .		4
385	Self-pulsation in vertical-cavity surface-emitting lasers as a result of the interplay between carrier-induced antiguiding and built-in index guiding. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 1192.	2.1	4
386	Basic aspects of deep lithography with particles for the fabrication of micro-optical and micromechanical structures. , 2004, , .		4
387	Application of microinterferometric tomography as an evaluation tool for phase micro-objects. , 2005, 5776, 596.		4
388	Low-cost microinterferometric tomography system for 3D refraction index distribution measurements in the optical fiber splices. , 2005, 5855, 347.		4
389	Polarizing Properties of Photonic Crystal Fibers. , 2006, , .		4
390	LED based full color stereoscopic projection system. , 2007, , .		4
391	Silicon cascade. Nature Photonics, 2008, 2, 132-133.	31.4	4
392	Architectural study of reconfigurable photonic Networks-on-Chip for multi-core processors. , 2009, , .		4
393	Efficient disparity vector coding for multi-view 3D displays. , 2010, , .		4
394	Matrixes of unconventional micro-optical components molded with etched silicon. Journal of the European Optical Society-Rapid Publications, 0, 5, .	1.9	4
395	Integrating tracking in concentrating photovoltaics using non-rotational symmetric laterally moving optics. , 2011, , .		4
396	Continuous Wave Threshold Characteristics of Coupled-Cavity VCSELs: Experiment and Model. Journal of Lightwave Technology, 2013, 31, 3726-3734.	4.6	4

#	ARTICLE	IF	CITATIONS
397	Plastic Optical Fibers for Sensing Applications. , 2014, , .		4
398	Light-modulating pressure sensor with integrated flexible organic light-emitting diode. Applied Optics, 2014, 53, 2766.	1.8	4
399	Microstructured optical fiber Bragg grating-based strain and temperature sensing in the concrete buffer of the Belgian supercontainer concept. Proceedings of SPIE, 2014, , .	0.8	4
400	Optical Time-Domain Reflectometry Simulations of Passive Optical Networks: A Linear Time-Invariant System Approach for Arbitrary Pulses. Journal of Lightwave Technology, 2014, 32, 3008-3019.	4.6	4
401	Optical quality study of refractive lenses made out of oxide glass using hot embossing. Infrared Physics and Technology, 2015, 73, 212-218.	2.9	4
402	Simultaneous Quasi-Phase Matching of Two Arbitrary Four-Wave-Mixing Processes. Journal of Lightwave Technology, 2015, 33, 1726-1736.	4.6	4
403	Algorithms for determining the radial profile of the photoelastic coefficient in glass and polymer optical fibers. Optics Express, 2015, 23, 18943.	3.4	4
404	Down-scaling grating couplers and waveguides in single-crystal diamond for VIS-UV operation. JPhys Photonics, 2019, 1, 015003.	4.6	4
405	A cascable polarization-based 1-to-9 multimode optical fiber switch using a PMMA fiber array holder. Journal of Lightwave Technology, 1998, 16, 1464-1472.	4.6	3
406	Photorefractive beam-fanning effect and self-pulsations in coated LiNbO ₃ slabs. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2001, 18, 1741.	1.5	3
407	Polarization switching dynamics in single-mode VCSELs. , 2001, 4286, 34.		3
408	Multichannel free-space intrachip optical interconnections: combining plastic micro-optical modules and VCSEL-based OE-FPGA. , 2002, 4652, 177.		3
409	Optimizing deep lithography with protons for the fabrication of 2D fiber alignment structures. , 2003, 5145, 87.		3
410	<title>Multiparameter sensitivities of birefringent photonic crystal fiber</title>. , 2004, , .		3
411	Design, modeling, and prototyping of microinterferometric tomography system for optical fiber inspection. , 2006, , .		3
412	Speeding up multiprocessor machines with reconfigurable optical interconnects. , 2006, , .		3
413	Selective optical broadcasting in reconfigurable multiprocessor interconnects. , 2006, 6185, 145.		3
414	Sensing with photonic crystal fibres. , 2007, , .		3

#	ARTICLE	IF	CITATIONS
415	Cooling Silicon Raman Lasers with Coherent Anti-Stokes Raman Scattering. Optics and Photonics News, 2007, 18, 24.	0.5	3
416	Modal behavior of photonic-crystal vertical-cavity surface-emitting diode laser analyzed with Plane Wave Admittance Method. Optical and Quantum Electronics, 2007, 39, 427-433.	3.3	3
417	Photonic crystal fibers for sensing applications. , 2008, , .		3
418	Enhanced pluggable out-of-plane coupling components for printed circuit board-level optical interconnections. Proceedings of SPIE, 2008, , .	0.8	3
419	Optical fiber spectroscopy for measuring quality indicators of lubricant oils. , 2008, , .		3
420	Transverse UV-laser irradiation-induced defects and absorption in a single-mode erbium-doped optical fiber. Optical Materials, 2009, 31, 1296-1299.	3.6	3
421	Benchmarking concentrating photovoltaic systems. Proceedings of SPIE, 2010, , .	0.8	3
422	High density optical pressure sensor foil based on arrays of crossing flexible waveguides. Proceedings of SPIE, 2010, , .	0.8	3
423	Down scaling of micro-structured Fresnel lenses for solar concentration: a quantitative investigation. , 2010, , .		3
424	B-CALM: An open-source GPU-based 3D-FDTD with multi-pole dispersion for plasmonics. , 2011, , .		3
425	The potential of Raman spectroscopy in glass studies. , 2012, , .		3
426	Delay induces motion of multipole localized structures in cavity semiconductors. , 2012, , .		3
427	High-performance wavelength tuning of a mid-infrared solid-state laser using a resonant diffraction grating. Proceedings of SPIE, 2012, , .	0.8	3
428	Photonics Explorer: revolutionizing photonics in the classroom. Proceedings of SPIE, 2012, , .	0.8	3
429	Potential prospects in archaeological research by using optical spectroscopy through a black glass ocular. Proceedings of SPIE, 2012, , .	0.8	3
430	Design of a low-bending-loss large-mode-area photonic crystal fiber. Proceedings of SPIE, 2012, , .	0.8	3
431	Reflective polarimetric vibration sensor based on temperature-independent FBG in HiBi microstructured optical fiber. , 2014, , .		3
432	Self-centering fiber alignment structures for high-precision field installable single-mode fiber connectors. Proceedings of SPIE, 2014, , .	0.8	3

#	ARTICLE	IF	CITATIONS
433	Compact Å©tendue-preserving light-mixing optics. Optics Express, 2015, 23, A1485.	3.4	3
434	Laser ablation of micro-photonic structures for efficient light collection and distribution. Journal Physics D: Applied Physics, 2015, 48, 245101.	2.8	3
435	Foundry-compatible SOI waveguides with a graphene top layer for wideband wavelength conversion. , 2016, , .		3
436	Deep proton writing with 12ÅMeV protons for rapid prototyping of microstructures in polymethylmethacrylate. Journal of Micro/ Nanolithography, MEMS, and MOEMS, 2016, 15, 044501.	0.9	3
437	Amorphous random copolymers of lacOCA and manOCA for the design of biodegradable polyesters with tuneable properties. European Polymer Journal, 2019, 118, 685-693.	5.4	3
438	Electro-Absorption Modulator Vertically Integrated on a VCSEL: Microstrip-Based High-Speed Electrical Injection on Top of a BCB Layer. Journal of Lightwave Technology, 2019, 37, 3861-3868.	4.6	3
439	Radiation-Induced Effects on Fiber Bragg Gratings Inscribed in Highly Birefringent Photonic Crystal Fiber. IEEE Transactions on Nuclear Science, 2019, 66, 120-124.	2.0	3
440	<title>Low-cost MOEM interconnect modules for Tb/s.cm^{<roman>2</roman>}</formul> aggregate bandwidth to silicon chips</title>. , 2001, , .		3
441	Miniature freeform flow-line lightguide for sensing: from design to fabrication. Optics Express, 2021, 29, 38001.	3.4	3
442	The interaction between daylight and fifteenth and sixteenth century glass windows from the Low Countries. Scientific Reports, 2021, 11, 21338.	3.3	3
443	<title>Highly polarization selective diffractive optical elements for use in optical interconnection and routing systems</title>. , 1995, , .		2
444	Free-space reconfigurable optical interconnection based on polarization-switching VCSELs and polarization-selective diffractive optical elements. , 1998, , .		2
445	Performance simulations of optical multichip-module interconnects: comparing guided-wave and free-space pathways. , 1998, , .		2
446	Fast optical thresholding with an optical thyristor array. , 1998, 3490, 247.		2
447	Fast optical thresholding with an array of optical thyristor differential pairs. Journal of Optics, 1999, 1, 276-279.	1.5	2
448	<title>Combining optoelectronic transceiver arrays and micro-optical components for photonically enhanced digital processors</title>. , 1999, 3729, 81.		2
449	<title>Demonstrator system for mathematical morphology operations on gray-level images</title>. , 1999, 3900, 31.		2
450	<title>Optical area I/O enhanced FPGA with 256 optical channels per chip</title>. , 2000, 4089, 752.		2

#	ARTICLE	IF	CITATIONS
451	<title>Microlens arrays fabricated by deep lithography with protons and their characterization</title>. , 2001, , .		2
452	<title>Design and optimization of VCSEL-based micro-optical relay systems: bringing optical information to silicon chips</title>. , 2001, 4455, 209.		2
453	In-plane strain modification of polarization behavior of vertical-cavity surface-emitting lasers. , 2001, 4286, 55.		2
454	Comparative study of glass and plastic refractive microlenses and their fabrication techniques. , 2004, , .		2
455	<title>Birefringence in photonic crystal fibers: a numerical approach based on the plane-wave method</title>. , 2004, 5576, 54.		2
456	The fabrication and characterization of plastic microlens arrays by deep lithography with protons. , 2004, , .		2
457	Analysis of birefringent doped-core holey fibers for Bragg gratings. , 2005, 5855, 351.		2
458	Sensitivity of highly birefringent photonic bandgap fibers to temperature and strain. , 2005, , .		2
459	Continuous-wave fiber-pumped Cr ²⁺ :ZnSe laser. , 2006, 6190, 70.		2
460	Tunable properties of light propagation in photonic liquid crystal fibers. Opto-electronics Review, 2006, 14, .	2.4	2
461	Optical detection techniques for laser sorting machines. , 2006, , .		2
462	Low-cost micro-optics for PCB-level photonic interconnects. , 2007, 6476, 162.		2
463	Sensing properties of Bragg grating in highly birefringent and single mode photonic crystal fiber. , 2007, , .		2
464	Eat-by-light: fiber-optic and micro-optic devices for food safety and quality assessment. Proceedings of SPIE, 2007, , .	0.8	2
465	Optical cooling of Raman lasers using CARS. , 2007, , .		2
466	Radial distribution of proton-induced effects in erbium-doped optical fibers: micro-luminescence study. , 2007, , .		2
467	Dynamic characteristics of nonlinear Bragg gratings in photonic crystal fibres. Optical and Quantum Electronics, 2007, 39, 455-467.	3.3	2
468	Light polarization fingerprints on nonlinear dynamics of vertical-cavity surface-emitting lasers. Opto-electronics Review, 2008, 16, .	2.4	2

#	ARTICLE	IF	CITATIONS
469	Mach-Zehnder Interferometer for Real-Time In Situ Monitoring of Refractive Microlens Characteristics at the Fabrication Level. IEEE Photonics Technology Letters, 2008, 20, 748-750.	2.5	2
470	Design of a reconfigurable optical interconnect for large-scale multiprocessor networks. Proceedings of SPIE, 2008, , .	0.8	2
471	Characterization of Refractive Index Distribution in Spherical Microlenses Fabricated by Deep Proton Writing. IEEE Photonics Technology Letters, 2008, 20, 208-210.	2.5	2
472	Fluorescence and absorbance measurements for chromatographic analysis using a miniaturized micro-optical detection unit. Proceedings of SPIE, 2008, , .	0.8	2
473	Realistic opto-mechanical modelling of plastic optical fiber coupling systems. , 2008, , .		2
474	Excitation of a two-mode limit cycle dynamics on the route to polarization switching in a VCSEL subject orthogonal to optical injection. Proceedings of SPIE, 2008, , .	0.8	2
475	Toward supercontinuum generation with non-symmetric double core microstructured fibers. , 2008, , .		2
476	Innovative spectroscopy of liquids: a fiber optic supercontinuum source and an integrating sphere for scattering-free absorption measurements. , 2009, , .		2
477	High-resolution optical sampling by means of dispersionshifted highly nonlinear chalcogenide waveguides. , 2009, , .		2
478	Far-Field Nonmodal Laser Emission for Low-Speckle Laser Projection. IEEE Photonics Technology Letters, 2009, 21, 1487-1489.	2.5	2
479	MT-compatible interface between peripheral fiber ribbons and printed circuit board-integrated optical waveguides. Proceedings of SPIE, 2009, , .	0.8	2
480	Diffuse-light absorption spectroscopy and chemometrics for discrimination and quantification of extra virgin olive oil adulterants. , 2010, , .		2
481	LED projection architectures for stereoscopic and multiview 3D displays. , 2010, , .		2
482	Polarization properties and instabilities of QD VCSELs. Proceedings of SPIE, 2010, , .	0.8	2
483	Phase-Space Tomography of Optical Beams. , 2011, , 789-808.		2
484	Microstructure-assisted grating inscription in photonic crystal fibers. , 2012, , .		2
485	Mechanical reliability of microstructured optical fibers: a comparative study of tensile and bending strength. Proceedings of SPIE, 2012, , .	0.8	2
486	Applying optical design methods to the development of application specific photonic crystal fibres. , 2012, , .		2

#	ARTICLE	IF	CITATIONS
487	Embedded fiber Bragg gratings in photonic crystal fiber for cure cycle monitoring of carbon fiber-reinforced polymer materials. Proceedings of SPIE, 2013, , .	0.8	2
488	Gloss, hydrophobicity and surface texture of papers with organic nanoparticle coatings. Nordic Pulp and Paper Research Journal, 2013, 28, 28-41.	0.7	2
489	Raman Spectroscopy for Distinguishing the Composition of Table-top Artificial Sweeteners. Procedia Engineering, 2014, 87, 240-243.	1.2	2
490	Adjoint-enabled optimization of optical devices based on coupled-mode equations. Optics Express, 2014, 22, 19423.	3.4	2
491	The use of one- and two- photon induced fluorescence spectroscopy for the optical characterization of carcinogenic aflatoxins. Proceedings of SPIE, 2014, , .	0.8	2
492	Optomechanical design of a buckling cavity in a low-cost high-performance ferruleless field-installable single-mode fiber connector. Optical Engineering, 2014, 53, 106102.	1.0	2
493	Proof-of-concept demonstration of a total internal reflection based module for fluorescence and absorbance detection using a 3D-printed syringe pump. Proceedings of SPIE, 2014, , .	0.8	2
494	Efficient color mixing through Å©tendue conservation using freeform optics. , 2015, , .		2
495	Reverse replication of circular micro grating structures with soft lithography. , 2015, , .		2
496	Specular gloss versus surface topography for oilâ€filled nanoparticle coatings on paper. Color Research and Application, 2016, 41, 596-610.	1.6	2
497	Switchable circular beam deflectors. Journal Physics D: Applied Physics, 2016, 49, 165101.	2.8	2
498	Deep proton writing of high aspect ratio SU-8 micro-pillars on glass. Nuclear Instruments & Methods in Physics Research B, 2016, 389-390, 5-12.	1.4	2
499	Self-aligned BCB planarization method for high-frequency signal injection in a VCSEL with an integrated modulator. Proceedings of SPIE, 2016, , .	0.8	2
500	Optical design of an ultrashort throw ratio projector with two freeform mirrors. , 2016, , .		2
501	Polarization- and Modal-Control in a Vertical-Cavity Surface-Emitting Laser With an External-Cavity Formed by a Liquid Crystal Overlay. Journal of Lightwave Technology, 2016, 34, 5437-5443.	4.6	2
502	Oxide-confined VCSELs fabricated with a simple self-aligned process flow. Semiconductor Science and Technology, 2017, 32, 125004.	2.0	2
503	Optofluidic Chip for Single-Beam Optical Trapping of Particles Enabling Confocal Raman Measurements. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 176-184.	2.9	2
504	High frequency characterization of a vertical electro-absorption modulator for data communications. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
505	Localized optical-quality doping of graphene on silicon waveguides through a TFSA-containing polymer matrix. Journal of Materials Chemistry C, 2018, 6, 10739-10750.	5.5	2
506	29GHz-Bandwidth Monolithically Integrated EAM-VCSEL. , 2019, , .		2
507	Design and prototyping of beam shapers to generate circular or square top-hat beams of different size for additive manufacturing applications. , 2020, , .		2
508	<title>Photonics for nuclear industry: issues, problems, and potential solutions</title>. , 1999, , .		2
509	Aerospace-grade compatible surface mounted optical fibre sensor for structural health monitoring of composite structures. , 2018, , .		2
510	Compact conical beam shaper and freeform segmented reflector for SERS analysis. Optics Express, 2020, 28, 16163.	3.4	2
511	Design and demonstration of a six-channel multiresolution imaging system. Applied Optics, 2022, 61, 2683.	1.8	2
512	Miniaturized cost-effective broadband spectrometer employing a deconvolution reconstruction algorithm for resolution enhancement. Optics Express, 2022, 30, 11459.	3.4	2
513	Prestige markers in art: subtle stratagems in material selection for fifteenth-century stained-glass windows. Heritage Science, 2022, 10, .	2.3	2
514	Optical bistability and switching in nonresonant GaAs:Cr self-electrooptic effect devices. Applied Optics, 1988, 27, 1769.	2.1	1
515	<title>Interconnection issues for vertical-to-surface-transmission electrophotonic device (VSTEP) optoelectronic information processing systems</title>. , 1995, , .		1
516	Programmable CNN based on optical thyristors for early image processing. , 0, , .		1
517	Technological aspects of deep proton lithography for the fabrication of micro-optical elements for photonics in computing applications. , 1998, 3490, 409.		1
518	Transient behavior in interference bistable devices. , 1999, , .		1
519	<title>Monitoring the stress build-up in dental cements: a novel optical characterization technique</title>. , 2001, 4156, 309.		1
520	Frequency response of current modulation induced polarization switching in VCSELs. , 2002, 4649, 245.		1
521	Deep lithography with protons: Modelling and predicting the performances of a novel fabrication technology for micro-optical components. Nuclear Instruments & Methods in Physics Research B, 2002, 193, 346-351.	1.4	1
522	Optical feedback induces polarization mode-hopping in vertical-cavity surface-emitting lasers. , 2003, , .		1

#	ARTICLE	IF	CITATIONS
523	Plastic micro-optical modules for VCSEL-based free-space intra-chip interconnections: demonstrator testbeds with OE-FPGAs. , 2003, 4942, 324.		1
524	Reconfigurable optical interconnects for parallel computer systems: design space issues. , 2003, 4942, 236.		1
525	Electrical and polarization controlled bistability and oscillations in photorefractive birefringent Fabry-Perot resonators. Optics Communications, 2004, 231, 417-429.	2.1	1
526	Time scales of polarization switching in different types of VCSELs. , 2004, 5452, 433.		1
527	Nonlinear dynamics and polarization bistability in optically injected VCSELs. , 2006, , .		1
528	<title>Polarization switching in VCSELs induced by optical injection</title>. , 2006, , .		1
529	Technology of high-birefringent photonic crystal fibers for sensing applications. , 2006, , .		1
530	Nonmodal emission characteristics of broad-area vertical-cavity surface-emitting lasers. , 2006, 6184, 313.		1
531	Design of axisymmetrical tailored concentrators for LED light source applications. , 2006, 6196, 27.		1
532	Development of a fabrication technology for integrating low cost optical interconnects on a printed circuit board. , 2006, 6126, 25.		1
533	Packaging a free-space intra-chip optical interconnect module: Monte Carlo tolerance study and assembly results. , 2006, 6185, 201.		1
534	Use of the polarization properties of fiber Bragg gratings for sensing purposes. , 2006, 6189, 516.		1
535	Reconfigurable interconnection networks in Distributed Shared Memory systems: a study on communication patterns. , 2006, , .		1
536	Iterative resonator model describing the Stokes and anti-Stokes emission of a continuous-wave silicon-based Raman laser. , 2007, , .		1
537	<title>Sensing applications of photonic crystal fibres</title>. , 2007, , .		1
538	Eat-by-light fiber-optic and micro-optic devices for food quality and safety assessment. , 2007, , .		1
539	Threshold characteristics of bottom-emitting long wavelength VCSELs with photonic-crystal within the top mirror. Optical and Quantum Electronics, 2008, 40, 149-154.	3.3	1
540	Tolerance analysis of a micro-optical detection unit for fluorescence and absorbance measurements in lab-on-a-chip micro-channels for chromatographic applications. , 2008, , .		1

#	ARTICLE	IF	CITATIONS
541	Out-of-plane Coupling Structures for Optical Printed Circuit Boards. , 2008, , .		1
542	Interferometric method for in-situ monitoring of fiber insertion in 2D fiber connectors fabricated through Deep Proton Writing. , 2008, , .		1
543	Characterization of the optical parameters of high aspect ratio polymer micro-optical components. , 2008, , .		1
544	The fabrication and characterization of fiber Bragg gratings in highly birefringent photonic crystal fibers for sensing applications. Proceedings of SPIE, 2008, , .	0.8	1
545	Benchmarking instrumentation tools for the characterization of microlenses within the EC Network of Excellence on Micro-Optics (NEMO). Proceedings of SPIE, 2008, , .	0.8	1
546	Towards flexible routing schemes for polymer optical interconnections on printed circuit boards. , 2008, , .		1
547	Investigations of bending loss oscillations in large mode area photonic crystal fibers. Proceedings of SPIE, 2008, , .	0.8	1
548	Fabrication method to create high-aspect ratio pillars for photonic coupling of board level interconnects. Proceedings of SPIE, 2008, , .	0.8	1
549	CARS-based silicon photonics. , 2009, , .		1
550	Design and fabrication of embedded micro-mirror inserts for out-of-plane coupling in PCB-level optical interconnections. , 2010, , .		1
551	Low-speckle laser projection using farfield nonmodal emission of a broad-area vertical-cavity surface-emitting laser. , 2010, , .		1
552	Cycle-accurate evaluation of reconfigurable photonic networks-on-chip. Proceedings of SPIE, 2010, , .	0.8	1
553	UV Bragg grating inscription in germanium-doped photonic crystal fibers. Proceedings of SPIE, 2010, , .	0.8	1
554	Optical interconnects for satellite payloads: overview of the state-of-the-art. , 2010, , .		1
555	Diffuse-light absorption spectroscopy by fiber optics for detecting and quantifying the adulteration of extra virgin olive oil. , 2010, , .		1
556	Polymer photonic sensing skin. Proceedings of SPIE, 2010, , .	0.8	1
557	Optical characterization of semiconductor microlenses using a Mach-Zehnder interferometer in the near-infrared region. , 2010, , .		1
558	Deep proton writing: a powerful rapid prototyping technology for various micro-optical components. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
559	Enhancing the efficiency of silicon Raman converters. , 2010, , .		1
560	Design and optimization of GRIN lens arrays for high-resolution digital colour presses. Proceedings of SPIE, 2010, , .	0.8	1
561	Models for coherent anti-Stokes Raman scattering in Raman devices and in spectroscopy. Proceedings of SPIE, 2010, , .	0.8	1
562	Deep Proton Writing: A Rapid Prototyping Tool for Polymer Micro-Optical and Micro-Mechanical Components. , 2011, , .		1
563	Human Face Recognition and Image Statistics using Matlab. , 2011, , 809-831.		1
564	Vertical-Cavity Surface-Emitting Lasers with coupled cavities and with liquid crystal overlay. , 2011, , .		1
565	Analytic free-form lens design for tracking integration in concentrating photovoltaics. Proceedings of SPIE, 2012, , .	0.8	1
566	Design of a novel multicore optical fibre for imaging and beam delivery in endoscopy. Proceedings of SPIE, 2012, , .	0.8	1
567	On the influence of hexagonal lattice photonic crystal fiber parameters on femtosecond grating inscription. Proceedings of SPIE, 2012, , .	0.8	1
568	Electro-optically modulated coupled-cavity VCSELs: electrical design optimization for high-speed operation. Proceedings of SPIE, 2012, , .	0.8	1
569	B-CALM: an open-source GPU-based 3D-FDTD with multi-pole dispersion for plasmonics. Proceedings of SPIE, 2012, , .	0.8	1
570	The study of vegetation indices for the monitoring of differences in chlorophyll and carotenoid composition in green vegetables. Proceedings of SPIE, 2012, , .	0.8	1
571	The experimental characterization of the absorption and scatter properties of photopolymers. Proceedings of SPIE, 2012, , .	0.8	1
572	Lost transparency! Weathering phenomena on the archaeological window glass collection of the Cistercian Abbey of the Dunes - Koksijde (Belgium). , 2012, , .		1
573	Optical design of a multi-channel, multi-resolution imaging system. Proceedings of SPIE, 2012, , .	0.8	1
574	Monitoring of gamma-irradiated Yb-doped optical fibers through pump induced refractive index changes effect. , 2012, , .		1
575	New ways to reach out. Physics World, 2013, 26, 17-18.	0.0	1
576	On a possible method to measure the radial profile of the photoelastic constant in step-index optical fiber. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
577	Internal strain monitoring in composite materials with embedded photonic crystal fiber Bragg gratings. Proceedings of SPIE, 2014, , .	0.8	1
578	Cavity solitons in vertical-cavity surface-emitting lasers. , 2014, , .		1
579	Fiber Bragg grating-based shear strain sensors for adhesive bond monitoring. Proceedings of SPIE, 2014, , .	0.8	1
580	Proof-of-concept demonstration of a miniaturized three-channel multiresolution imaging system. Proceedings of SPIE, 2014, , .	0.8	1
581	Lubricant oil condition monitoring by means of a scattering-free LED-based system. , 2014, , .		1
582	Replicating micro-optical structures using soft embossing technique. , 2014, , .		1
583	Optical modeling of changeable laser image functionality with analysis of the viewing performance. Applied Optics, 2015, 54, 6162.	2.1	1
584	Optical design of static and dynamic laser beam shaping systems. Proceedings of SPIE, 2015, , .	0.8	1
585	Direct design of two freeform optical surfaces for wide field of view line imaging applications. Proceedings of SPIE, 2016, , .	0.8	1
586	One- and two-photon induced fluorescence spectroscopy enabling the detection of localized aflatoxin contamination in individual maize kernels. , 2016, , .		1
587	Freeform optical design of an XY-zoom beam expander. , 2016, , .		1
588	Speckle perception and disturbance limit in laser based projectors. Proceedings of SPIE, 2016, , .	0.8	1
589	Replication of self-centering optical fiber alignment structures using hot embossing. Proceedings of SPIE, 2016, , .	0.8	1
590	Modeling and design of infrared and ultraviolet integrated diamond ring Raman lasers. , 2016, , .		1
591	Optofluidic multi-measurement system for the online monitoring of lubricant oil. Measurement Science and Technology, 2016, 27, 015004.	2.6	1
592	Internal scattering as an optical screening method to identify peeled potatoes giving rise to an excess of acrylamide. Journal of Food Engineering, 2017, 195, 255-261.	5.2	1
593	Prototyping and Replication of Polymer Freeform Optical Components. , 2017, , .		1
594	Transverse Mode Mixing in a Coupled-Cavity VCSEL. Journal of Lightwave Technology, 2020, 38, 5774-5782.	4.6	1

#	ARTICLE	IF	CITATIONS
595	Fabrication and characterization of step-index biocompatible and biodegradable polyesters based optical fiber. , 2020, , .		1
596	Photonic crystal fiber Bragg grating based sensors “ opportunities for applications in healthcare. , 2011, , .		1
597	Photonic Crystal Fibers for Femtosecond Laser Point-by-Point Grating Inscription. , 2016, , .		1
598	Refractive and diffractive micro-optics in optical interconnects. , 2000, , .		1
599	Optical design of freeform mirror systems with tailored field curvatures for corneal imaging. , 2017, , .		1
600	Integrated confocal Raman probe combined with a free-form reflector based lab-on-chip. , 2017, , .		1
601	Visible Supercontinuum Light Generation in Integrated Diamond-on-Insulator Waveguides. , 2018, , .		1
602	Selective liquid filling of photonic crystal fibers using two-photon polymerization lithography without post-exposure development. , 2020, , .		1
603	Two-Photon Polymerization-based Direct Laser Writing and Characterization of Micro-Lenses for Optical Interconnect Applications. , 2021, , .		1
604	Two-Photon Polymerization-based Laser Direct Writing of Mode Conversion Down-tapers for Physical Contact Fiber-to-Chip Coupling. , 2021, , .		1
605	Benchmarking Spectroscopic Techniques Combined with Machine Learning to Study Oak Barrels for Wine Ageing. Biosensors, 2022, 12, 227.	4.7	1
606	Using UV-Vis-NIR absorption spectroscopy as a tool for the detection of iron and cobalt in glass: A case-study on HLLA material from the Low Countries. Journal of Archaeological Science: Reports, 2022, 44, 103517.	0.5	1
607	Ion micro-beam diagnostics with scintillators for application of deep lithography with particles. , 0, , .		0
608	Polarization-induced switching and polarization bistability in nonlinear planar resonators with diffusive nonlinearity. , 1993, 1807, 136.		0
609	<title>Optical module for dynamically reconfigurable nearest-neighbor interconnects</title>. , 1993, , .		0
610	<title>Novel polarization sensitive optoelectronic switching device for optical information processing</title>. , 1996, , .		0
611	Teaching optics for other disciplines. , 1997, 3190, 190.		0
612	Integrated practical classes in photonics at the Vrije Universiteit Brussel. , 1997, , .		0

#	ARTICLE	IF	CITATIONS
613	<title>Highly polarization-selective diffractive optical elements in calcite with an index-matching gap material</title>. , 1997, 3010, 124.		0
614	Proposal for Stochastic Bit Stream Processing Using Optoelectronic Smart Pixels: A Neural Network Architectural Case Study. Journal of Parallel and Distributed Computing, 1997, 41, 92-108.	4.1	0
615	Experimental demonstration of a multichannel micro-optical bridge for multi-gigabit per second free-space intra-MCM interconnects. , 1998, , .		0
616	Guided-wave versus free-space pathways for optical intra-multichip-module interconnects: performance simulations and design rules. , 1998, , .		0
617	DNA sequence detection by means of two-bit correlation. , 1998, 3490, 174.		0
618	Demonstration of a reconfigurable fanout interconnection system using arrays of optical thyristors. , 1998, 3490, 147.		0
619	Increasing the performance of polarization-selective diffractive optical elements. , 1998, , .		0
620	<title>Portable device for in-situ recording of reflection holograms with diode lasers</title>. , 1998, 3358, 397.		0
621	Optical interconnection system for arrays of microemitters and detectors: combining printed microlenses and large-diameter GRINs. , 1998, 3490, 155.		0
622	<title>Polarization switching in VCSELs: experiments and theory</title>. , 1999, 3749, 302.		0
623	<title>Photonics in digital computing: paradigms and proof-of-principle demonstrators</title>. , 1999, 3749, 272.		0
624	<title>Board-to-board parallel optical interconnects using large-diameter graded-index polymer optical fiber (GIPOF)</title>. , 2000, 4089, 234.		0
625	Free-space optical interconnection modules for 2D photonic-VLSI circuitry based on microlenses and GRINs. , 2000, , .		0
626	Plastic micro-optical modules for high-throughput interchip optical interconnections. , 2000, 4114, 110.		0
627	Optics in computing: introduction to the feature issue. Applied Optics, 2000, 39, 669.	2.1	0
628	<title>Free-space monolithic microoptical modules: a low-cost route for photonic interconnects to silicon</title>. , 2001, , .		0
629	Photonic morphological image processing. , 2001, , .		0
630	Frequency response of polarization switching in different types of VCSELs. , 0, , .		0

#	ARTICLE	IF	CITATIONS
631	Mode analysis of doped-core holey fibers. , 0, , .		0
632	Diagnostic Tools For Low Intensity Ion Micro-Beams. AIP Conference Proceedings, 2003, , .	0.4	0
633	Increasing the functionality of free-space micro-optical intrachip modules with DOEs: towards reconfigurable photonic interconnects. , 2003, , .		0
634	Polarization mode hopping in vertical-cavity surface-emitting lasers induced by optical feedback. , 2003, , .		0
635	Controlled polarization switching in intracavity contacted VCSELs. , 2003, 4942, 84.		0
636	Modeling Bragg gratings in doped-core holey fibers. , 0, , .		0
637	Comparison of thermal and polarization switching frequency response in VCSELs. , 2003, 4942, 72.		0
638	Tomographic microinterferometry of refractive index distribution. , 2004, , .		0
639	Study of optical feedback effects in an extremely short external cavity configuration. , 2004, 5452, 591.		0
640	Quantum confined Stark effect in coupled-cavity VCSELs. , 2004, , .		0
641	Analysis of multiparameter optical sensor data with composite filtering algorithms. , 0, , .		0
642	Wave-optical components for reconfigurable short-distance optical interconnects. , 2004, , .		0
643	Coherence resonance in a bistable laser system with time delay. , 2004, 5468, 142.		0
644	<title>Dynamical effects in photorefractive Fabry-Perot resonators</title>. , 2004, , .		0
645	Deep lithography with protons as an alternative fabrication technology for high-precision 2D fiber connector components. , 2004, , .		0
646	Optical feedback from extremely short external cavity in VCSEL. , 2004, , .		0
647	Optical implementations of threshold decomposition and morphological operations with dual-rail processing. , 2004, , .		0
648	Photonic interconnects to silicon chips. , 2004, 5359, 337.		0

#	ARTICLE	IF	CITATIONS
649	Design and implementation of an on-campus free-space laser datalink: a photonics case study for electrical and photonic engineering students. , 2004, 5578, 756.		0
650	<title>Light propagation in birefringent doped-core holey fibers</title>. , 2004, , .		0
651	Advanced optical fiber communication simulations in electrotechnical engineering education. , 2004, , .		0
652	Bandgap tuning through material anisotropy as a novel physical mechanism for liquid crystal filled photonic crystal fiber sensors. , 2005, , .		0
653	Temperature sensitivity in birefringent photonic crystal fiber with triple defect. , 2005, , .		0
654	Real-time in situ sag characterization of microlenses fabricated with Deep Lithography with Protons. , 2005, , .		0
655	Analysis of data from optical sensors with composite filtering. , 2005, 5855, 824.		0
656	Thermal and spectral effects in polarimetric strain sensors based on highly birefringent fibers. , 2005, 5952, 162.		0
657	Production of Inorganic thin Scintillating Films for Ion Beam Monitoring Devices. , 0, , .		0
658	Measurements of hydrostatic pressure and temperature sensitivity in birefringent holey fibers. , 2006, 6182, 586.		0
659	Iterative resonator model describing the continuous-wave operation of a Raman laser. , 2006, , .		0
660	Optical characterization of spherical microlenses: a round robin experiment within the EC Network of Excellence on Micro-Optics (NEMO). , 2006, , .		0
661	Rapid micro-optical prototyping technology for fabricating optical interconnection modules at the MCM and PCB level. , 2006, 6393, 13.		0
662	Light propagation in a GRIN microlens with gain or loss and comparison with lossless case. , 2006, , .		0
663	Low-cost plastic micro-optics for board level optical interconnections. , 2006, , .		0
664	A novel optical detection system for chromatography applications. , 2006, , .		0
665	Cylindrical microlenses fabricated by Deep Proton Writing. , 2006, , .		0
666	PULSE PACKAGE DYNAMICS IN VCSELS WITH DELAYED OPTICAL FEEDBACK FROM A SHORT EXTERNAL CAVITY. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 353-358.	0.4	0

#	ARTICLE	IF	CITATIONS
667	Roughness measurements on coupling structures for optical interconnections integrated on a printed circuit board. , 2006, , .		0
668	Design of a light-guide used for the real-time monitoring of LCD-displays. , 2006, , .		0
669	Investigation of polarization properties of VCSELs subject to optical feedback from an extremely short external cavity. , 2006, 6185, 299.		0
670	Comparison of various optical characterization techniques for the surface analysis of optical-grade germanium infrared materials. , 2006, , .		0
671	Analysis of light propagation mechanisms in photonic liquid crystal fibers. , 2006, 6182, 438.		0
672	Polarization Dynamics in VCSELS Induced by Optical Injection. , 2006, , .		0
673	Embedded laser ablated micro-mirrors for intra- and out-of-plane coupling in multilayer optical interconnects. , 2006, , .		0
674	Polarization control and stabilization of VCSELs by means of optical feedback from an extremely short external cavity. , 2007, , .		0
675	Coupled 3D opto-mechanically study of a free-space optical intra-chip interconnect module. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	0
676	Low-Cost Micro-Optical Modules for Datacommunication to Optical Interconnections from the LAN-to the PCB-Level. , 2007, , .		0
677	Diffraction design of a Selective Broadcaster in Reconfigurable Optical Interconnects. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	0
678	Enhancement methods for CARS-based heat mitigation and application to near- and mid-infrared silicon-based Raman lasers. , 2007, , .		0
679	Silicate photonic crystal fibers with rectangular lattice and elliptical holes. , 2007, , .		0
680	Investigations of birefringence of the fundamental and the higher order modes in index guiding photonic crystal fiber. , 2007, , .		0
681	<title>Polarizing photonic crystal fibers for different operation range</title>. Proceedings of SPIE, 2007, , .	0.8	0
682	Mitigating heat dissipation in a hydrogen-based Raman laser using coherent anti-Stokes Raman scattering. , 2007, , .		0
683	Optimal Designs of Telecommunications Oriented Photonic-Crystal VCSELs. , 2007, , .		0
684	Optical design of a compact illumination system for LED projection displays. Proceedings of SPIE, 2008, , .	0.8	0

#	ARTICLE	IF	CITATIONS
685	Highly birefringent holey fibers with zero polarimetric sensitivity to temperature. Proceedings of SPIE, 2008, , .	0.8	0
686	Pâ€250L: <i>Late News Poster</i>: Lowâ€Speckle Laser Projection with a Broadâ€Area VCSEL in the Incoherent Emission Regime. Digest of Technical Papers SID International Symposium, 2008, 39, 2098-2101.	0.3	0
687	Demonstration of a polarization-based full-color stereoscopic projection display using liquid crystal on silicon panels and light emitting diodes. Proceedings of SPIE, 2008, , .	0.8	0
688	Real time and in situ monitoring of microlenses fabricated with deep proton writing. Proceedings of SPIE, 2008, , .	0.8	0
689	Coupling structures for out-of-plane coupling in optical PCBs. , 2008, , .		0
690	<title>Soft glass photonic crystal fibers for supercontinuum generation</title>. , 2008, , .		0
691	Characterization of all-glass photonic band gap fiber. Proceedings of SPIE, 2008, , .	0.8	0
692	Double cavity feedback and experimental observation of coherence resonance. , 2008, , .		0
693	Improved design of a laser scanning system for food analysis applications. , 2008, , .		0
694	Tomographic studies of 3D refractive index and birefringence distribution in M-O elements replicated by hot embossing technology. , 2008, , .		0
695	Reliable simulation of optical bridge system by exchanging optical field data. , 2008, , .		0
696	A novel optical technique for the detection of stone fragments in fruits. , 2008, , .		0
697	A low loss 180 degrees coupling fiber socket making use of low bending loss hole-assisted fiber. Proceedings of SPIE, 2008, , .	0.8	0
698	Broadband supercontinuum generation with photonic crystal fibers made of soft glass. , 2008, , .		0
699	Optical spectral signatures of liquids by means of fiber optic technology for product and quality parameter identification. Journal of the European Optical Society-Rapid Publications, 0, 4, .	1.9	0
700	Chaotic polarization dynamics and chaos synchronization in VCSELs. , 2009, , .		0
701	Bistable localized light structure with linear polarization in medium size vertical-cavity surface-emitting lasers. , 2009, , .		0
702	High-resolution optical sampling of 640-Gb/s signals using highly nonlinear chalcogenide waveguides. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
703	Nonlinear dynamics and synchronization in two mutually coupled vertical-cavity surface-emitting lasers. , 2009, , .		0
704	Polarization instabilities and nonlinear dynamics in a quantum dot laser. , 2009, , .		0
705	Orthogonally polarized bistable localized light structures in medium size vertical-cavity surface-emitting lasers. , 2009, , .		0
706	Polarization dynamics in vertical-cavity surface-emitting lasers subject to optical injection or current modulation. , 2009, , .		0
707	Fiber Bragg gratings in microstructured optical fibers for stress monitoring. Proceedings of SPIE, 2009, , .	0.8	0
708	Optical injection dynamics of quantum dot lasers: influence of the excited states. Proceedings of SPIE, 2010, , .	0.8	0
709	Populating multi-fiber fiberoptic connectors using an interferometric measurement of fiber tip position and facet quality. Proceedings of SPIE, 2010, , .	0.8	0
710	Applications of coherent anti-Stokes Raman scattering in silicon photonics. Proceedings of SPIE, 2010, , .	0.8	0
711	Optical sampling of ultrahigh bitrate signals using highly nonlinear chalcogenide planar waveguides or tapered fibers. Proceedings of SPIE, 2010, , .	0.8	0
712	Realistic opto-mechanical simulation and tolerancing of an automotive optical transmitter coupling system. , 2010, , .		0
713	3.3: Efficient PolarizationBased Stereoscopic Projector with Extended Color Gamut: Combining Two Projectors into One. Digest of Technical Papers SID International Symposium, 2010, 41, 9-12.	0.3	0
714	Raman scattering in submicron and nanoscale structures. , 2010, , .		0
715	Speckle characteristics of a laser projector using nonmodal laser emission of a semiconductor laser. , 2010, , .		0
716	High-contrast all-glass volumetric photonic crystal. Proceedings of SPIE, 2010, , .	0.8	0
717	Visible and near-infrared spectral signatures for adulteration assessment of extra virgin olive oil. , 2010, , .		0
718	Polarization dynamics of vertical-cavity surface-emitting lasers: impact of optical feedback and optical injection. , 2010, , .		0
719	Super-Resolution Image Reconstruction considering Inaccurate Subpixel Motion Information. , 2011, , 613-642.		0
720	Basics of Information Theory. , 2011, , 49-69.		0

#	ARTICLE	IF	CITATIONS
721	All-fiber Rayleigh ring mirror with an optical control of the resonance. , 2011, , .		0
722	Satellite payloads with optical interconnects: Solving the bandwidth bottleneck in space. , 2011, , .		0
723	Pump induced refractive index changes in gamma-irradiated Yb-doped optical fibers. , 2011, , .		0
724	Reduced complexity multi-view video coding scheme for 2D camera arrays. , 2011, , .		0
725	Diffuse-light absorption spectroscopy for beer classification and prediction of alcoholic content. Proceedings of SPIE, 2012, , .	0.8	0
726	Evaluation of an extensive speckle measurement method. Proceedings of SPIE, 2012, , .	0.8	0
727	Optical measurements and pattern recognition techniques for authenticating top-fermented and bottom-fermented beers and predicting the alcoholic strength. , 2012, , .		0
728	Towards flexible photonic sensing skins with optical fiber sensors. , 2012, , .		0
729	Optical characterization of a miniaturized large field of view motion sensor. Proceedings of SPIE, 2012, , .	0.8	0
730	Optimized wavelength conversion in silicon waveguides based on off-Raman-resonance operation. , 2012, , .		0
731	Rocking filter in microstructured fiber for high resolution hydrostatic pressure measurements. , 2012, , .		0
732	Rapid prototyping of interfacing microcomponents for printed circuit board-level optical interconnects. Proceedings of SPIE, 2012, , .	0.8	0
733	Diffuse-light absorption spectroscopy for discriminating Belgian beers. Proceedings of SPIE, 2012, , .	0.8	0
734	Design and fabrication of advanced fiber alignment structures for field-installable fiber connectors. Proceedings of SPIE, 2012, , .	0.8	0
735	850nm VCSEL with a liquid crystal overlay. , 2012, , .		0
736	Extending the phase mismatch formalism for silicon-based wavelength converters. , 2012, , .		0
737	Photonically enhanced polymer labs-on-a-chip. Proceedings of SPIE, 2012, , .	0.8	0
738	An iterative approach for modeling the interaction of a partial coherent light distribution with an absorbing photosensitive polymer. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
739	Leverage photonics with efficient partnerships between science and industry. <i>Advanced Optical Technologies</i> , 2012, 1, 103-107.	1.7	0
740	Novel nonlinear photonic functionalities in silicon nanowires. , 2012, , .		0
741	Photonic crystal fiber with large-mode area and low-bending loss for high-power compact lasers and amplifiers. , 2012, , .		0
742	Quantum filtering using POVM measurements. , 2013, , .		0
743	Polarization chaos from a free-running quantum dot laser diode. , 2013, , .		0
744	VCSELs with nematic and cholesteric liquid crystal overlays. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
745	Ray optics in combination with the Gaussian beam propagation method for optical trapping of free-shaped particles in micro fluidic systems. , 2013, , .		0
746	Delay feedback induces drift of multi-peaks cavity solitons in VCSEL devices. , 2013, , .		0
747	Experimental investigation of bending properties of large mode area photonic crystal fibre with double lattice constant structure. , 2013, , .		0
748	Energy-per-bit and noise limits in plasmonic intergrated photodetectors. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
749	A three-channel miniaturized optical system for multi-resolution imaging. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
750	Traveling wave electro-optically modulated coupled-cavity surface emitting lasers. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
751	Lubricant oil condition monitoring using a scattering-free single-wavelength optical scheme. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
752	Scientific evaluation of an intra-curricular educational kit to foster inquiry-based learning (IBL). , 2014, , .		0
753	Proof-of-concept demonstration of a miniaturized multi-resolution refocusing imaging system using an electrically tunable lens. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
754	Developing intra-curricular photonics educational material for secondary schools in Europe. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
755	Opto-mechanical design of a buckling cavity in a novel high-performance outside-plant robust field installable single-mode fibre connector. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
756	Opportunities for Raman wavelength conversion with silicon microdisks. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
757	Modal propagation and imaging characteristics of a custom designed coherent fiberbundle for endomicroscopy. Proceedings of SPIE, 2014, , .	0.8	0
758	OLED integrated silicon membranes for light-modulation devices. , 2014, , .		0
759	Refocusing capabilities in a miniaturized multi-channel multi-resolution imaging system using a tunable lens. , 2014, , .		0
760	Random bit generation using polarization chaos from free-running laser diode. , 2014, , .		0
761	Microstructured optical fiber Bragg grating-based shear stress sensing in adhesive bonds. , 2014, , .		0
762	Synthetic diamond as a new material for on-chip nonlinear wavelength converters. , 2014, , .		0
763	New vistas in refractive laser beam shaping with an analytic design approach. Proceedings of SPIE, 2014, , .	0.8	0
764	Design of refractive laser beam shapers to generate complex irradiance profiles. Proceedings of SPIE, 2014, , .	0.8	0
765	Advanced simulation tool for optical time-domain reflectometry (OTDR) with arbitrary pulse shapes. , 2014, , .		0
766	On the limitations of the first-order nonlinear Schrödinger equation in slow-light photonic crystal structures. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 1660.	2.1	0
767	Raman Stokes/Anti-Stokes Wavelength Conversion in "Automatically" Quasi-Phase-Matched Silicon Microdisk Resonators. Journal of Lightwave Technology, 2014, 32, 2939-2950.	4.6	0
768	Photonic crystal lenses for transverse focusing of laser illumination in microstructured optical fibers. , 2014, , .		0
769	Design of large scale plasmonic nanoslit arrays for arbitrary mode conversion and demultiplexing. Proceedings of SPIE, 2014, , .	0.8	0
770	Efficient four-wave mixing by phase-mismatch switching. , 2014, , .		0
771	The influence of a light pipe on the coherence properties in laser projectors. Proceedings of SPIE, 2014, , .	0.8	0
772	Modeling and design of a multichannel chromatic aberration compensated imaging system. , 2015, , .		0
773	Microwave signal generation using a 1550 nm VCSEL subject to dual-beam parallel optical injection. , 2015, , .		0
774	Polarization switching in 1550nm VCSELs subject to parallel optical injection. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
775	The role of highly non-linear index change mechanism during femtosecond grating writing in microstructured optical fibers. , 2015, , .		0
776	Opportunities for designing microstructured optical fibers for efficient femtosecond laser grating inscription. , 2015, , .		0
777	Free space ranging based on a chaotic long-wavelength VCSEL with optical feedback. , 2015, , .		0
778	Hybrid VCSEL: liquid crystal systems. , 2015, , .		0
779	Effect of temperature on polarization switching in long-wavelength VCSELs. Proceedings of SPIE, 2015, , .	0.8	0
780	Flow-cytometric identification of vinegars using a multi-parameter analysis optical detection module. , 2015, , .		0
781	Freeform Å©tendue-preserving optics for light and color mixing. , 2015, , .		0
782	Direct design of a two-surface lens including an entrance pupil for imaging applications. , 2015, , .		0
783	Characterization of Micro-optics. , 0, , 265-292.		0
784	Design of a miniaturized integrated spectrometer for spectral tissue sensing. , 2016, , .		0
785	Design of focal beam shaping system through irradiance and phase control. Proceedings of SPIE, 2016, , .	0.8	0
786	Patterning of graphene on silicon-on-insulator waveguides through laser ablation and plasma etching. , 2016, , .		0
787	A numerical study on the importance of non-uniform index modification during femtosecond grating inscription in microstructured optical fibers. , 2016, , .		0
788	Proof-of-concept demonstration of free-form optics enhanced confocal Raman spectroscopy in combination with optofluidic lab-on-chip. Proceedings of SPIE, 2016, , .	0.8	0
789	Polarization properties of localized structures in VCSELs. Proceedings of SPIE, 2016, , .	0.8	0
790	Theoretical and experimental study of polarization switching in long-wavelength VCSELs subject to parallel optical injection. , 2016, , .		0
791	Chaos synchronization in mutually coupled long-wavelength vertical-cavity surface-emitting lasers with long delay time. , 2016, , .		0
792	Inverse Abel transform algorithms to determine the radial profile of the photoelastic coefficient of glass optical fibers. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
793	Chaos in solitary VCSELs: asymmetry and noise. , 2016, , .		0
794	One way synchronization of polarization chaos from a solitary Vertical-Cavity Surface-Emitting Laser. Proceedings of SPIE, 2016, , .	0.8	0
795	Photonics-enhanced smart imaging systems. Proceedings of SPIE, 2016, , .	0.8	0
796	Enhanced performance of refractive laser beam shapers through additional phase control at focus. Optical Engineering, 2016, 55, 085106.	1.0	0
797	Understanding the influence of the structured cladding on the reflectivity of femtosecond laser written gratings in photonic crystal fibers. , 2016, , .		0
798	Determination of the radial profile of the photoelastic coefficient of polymer optical fibers. , 2016, , .		0
799	Simultaneous calculation of three optical surfaces in the 3D SMS freeform RXI optic. , 2016, , .		0
800	Direct design of laser-beam shapers, zoom-beam expanders, and combinations thereof. Proceedings of SPIE, 2016, , .	0.8	0
801	Plasma treatment of fiber facets for increased (de)mating endurance in physical contact fiber connectors. , 2016, , .		0
802	Dual fiber optical trapping in a polymer-based microfluidic chip. , 2016, , .		0
803	Nonlinear Dynamics of Vertical-Cavity Surface-Emitting Lasers: Deterministic Chaos and Random Number Generation. Springer Proceedings in Physics, 2016, , 59-69.	0.2	0
804	Fibre optic sensor based measurements of flow-induced vibration in a liquid metal cooled nuclear reactor set-up. , 2017, , .		0
805	Dynamic 3D strain measurements with embedded micro-structured optical fiber Bragg grating sensors during impact on a CFRP coupon. , 2017, , .		0
806	Simultaneous injection locking and polarization switching in vcsls subject to parallel optical injection. , 2017, , .		0
807	Point-by-point fiber Bragg grating inscription in a dedicated multi-ring hexagonal lattice photonic crystal fiber. , 2017, , .		0
808	Polarization switching nonlinear dynamics in long-wavelength single-mode VCSELs subject to parallel optical injection. , 2017, , .		0
809	Vertical integration of an electro-absorption modulator within a VCSEL device. , 2017, , .		0
810	Characterization of Artificial Sweeteners Using Raman Spectroscopy. Reference Series in Phytochemistry, 2018, , 479-491.	0.4	0

#	ARTICLE	IF	CITATIONS
811	Evaluation of 3D-culture methods for the hepatic differentiation of human skin-derived stem cells. Toxicology Letters, 2018, 295, S111.	0.8	0
812	Phase mask-based IR femtosecond grating inscription in a photonic crystal fiber with short focal length cylindrical lens. , 2018, , .		0
813	Extra-ordinary nonlinear-optical behavior in silica-core waveguides covered with graphene. , 2018, , .		0
814	Numerical and Experimental Study on the IR Femtosecond Laser and Phase Mask-Based Grating Inscription in Photonic Crystal Fibers. , 2019, , .		0
815	Anomalous Transparency in Photonic Crystals and its Dependence on the Refractive Index Difference. , 2019, , .		0
816	Welcome to <i>JPhys Photonics</i>. JPhys Photonics, 2019, 1, 010401.	4.6	0
817	ACTPHAST4R: European Open Access Platform for Photonics Prototyping to Support Innovation-Driven Researchers. , 2020, , .		0
818	Unraveling and Predicting the Nonlinear-optical Refractive Response of Graphene. , 2021, , .		0
819	3D nanoprinting of mode-field conversion tapers for low-loss optical interfacing of single-mode fibers and photonic integrated circuits. , 2021, , .		0
820	Biomaterials for manufacturing scaffolds: a compromise between resolution, size and biocompatibility. , 2021, , .		0
821	Design and Fabrication of Straight Waveguides, Tapers and S-Bends with Two-Photon Direct Laser Writing. , 2021, , .		0
822	“First time right”™ freeform optics. PhotonicsViews, 2021, 18, 52-56.	0.1	0
823	The European Network of Excellence in Micro-Optics (NEMO). , 2006, , .		0
824	<title>High birefringent photonic crystal optical fiber for Bragg gratings inscriptions</title>. Proceedings of SPIE, 2007, , .	0.8	0
825	Supercontinuum generation with microstructured fibers made of soft glass. Photonics Letters of Poland, 2009, 1, .	0.4	0
826	Development of silicate hollow core photonic crystal fiber. Photonics Letters of Poland, 2010, 2, .	0.4	0
827	Integrated polymer optofluidic chips. , 2012, , .		0
828	Optical characterization of a polymer micro-optical light coupler for silicon channels. Photonics Letters of Poland, 2012, 4, .	0.4	0

#	ARTICLE	IF	CITATIONS
829	Multi-channel Micro-optical Smart Imaging Systems. , 2013, , .		0
830	Microstructured fibers optimized for transverse load and pressure sensing. , 2014, , .		0
831	Micro-Optics Technology Supply Chain as Key-enabler for Applied Research and Industrial Innovation. , 2014, , .		0
832	Deterministic polarization chaos in a laser diode. IEICE Proceeding Series, 2014, 1, 195-198.	0.0	0
833	Fibre Optic Sensors: Potential, applications and state of the art of the technology. , 1995, , 647-689.		0
834	Perspectives for optical data processing and communication systems using optical thyristors. , 1996, , .		0
835	Optics in Computing. Journal of Optics, 1999, 1, .	1.5	0
836	Optoelectronic logic operations using thyristor differential pairs and diffractive optical elements. , 1999, , .		0
837	Realization of Mathematical Morphology Operations with an Optoelectronic Demonstrator System for Early Image Processing. , 1999, , .		0
838	Potential Benefits of Freeform Optics in On-Axis Imaging Applications. , 2015, , .		0
839	Biodegradable Polyesters: From Monomer to Application. , 2016, , 786-835.		0
840	Novel microfluidic devices for Raman spectroscopy and optical trapping. , 2016, , .		0
841	Optical trapping of particles combined with confocal Raman spectroscopy in an optofluidic chip. , 2017, , .		0
842	Fabrication of High-Precision Micro-Opto-Mechanical Components through Deep Proton Writing. , 2017, , .		0
843	Modeling, Fabrication and Testing of Hybrid Lenses in a Multichannel, Multiresolution Imaging System. , 2017, , .		0
844	Optofluidic Chips for Raman Spectroscopy and Optical Trapping. , 2017, , .		0
845	Highly birefringent photonic crystal fiber compatible with IR femtosecond grating inscription methods. , 2018, , .		0
846	Integration of electro-absorption modulator in a vertical-cavity surface-emitting laser. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
847	Prescribed intensity patterns from extended sources by means of a wavefront-matching procedure. , 2018, , .		0
848	Design of an optical refocusing illumination system for use in laser-scanning devices. , 2018, , .		0
849	Design of a freeform, luminance spreading illumination lens with a continuous surface. , 2018, , .		0
850	Relaxing alignment tolerance in single-mode fiber connections using 3D nanoprinted beam expanders. , 2018, , .		0
851	Prescribed intensity patterns from extended emitters by means of a generalized wavefront-tailoring method. , 2019, , .		0
852	Towards poly(D,L-lactic acid)-based biodegradable and biocompatible polymer optical fiber. , 2019, , .		0
853	Modeling Graphene's Macroscopic Nonlinear Response. , 2020, , .		0
854	Mode-field matching design, 3D fabrication and characterization of down-tapers on single-mode optical fiber tips for coupling to photonic integrated circuits. , 2020, , .		0
855	Phase-shifted Bragg grating inscription in photonic crystal fibers by UV phase mask beam stop technique. , 2020, , .		0
856	Demonstration of parallel optical data input for arrays of PnpN optical thyristors. , 0, , .		0
857	A Freeform-based Versatile Microfluidic Raman Lab-on-Chip System. , 2021, , .		0
858	Design and replication of a six-channel foveated imaging system. , 2021, , .		0
859	Ultraprecision Diamond Milling of a Freeform Micromirror Array Master for Nanoimprint Lithography. , 2021, , .		0
860	"First time right" - calculating imaging systems from scratch -INVITED. EPJ Web of Conferences, 2021, 255, 02001.	0.3	0
861	Freeform-based High Numerical Aperture Optics for Confocal Raman/SERS Spectroscopy. , 2021, , .		0
862	Laser direct writing of short-range interconnect interfacing structures. , 2022, , .		0