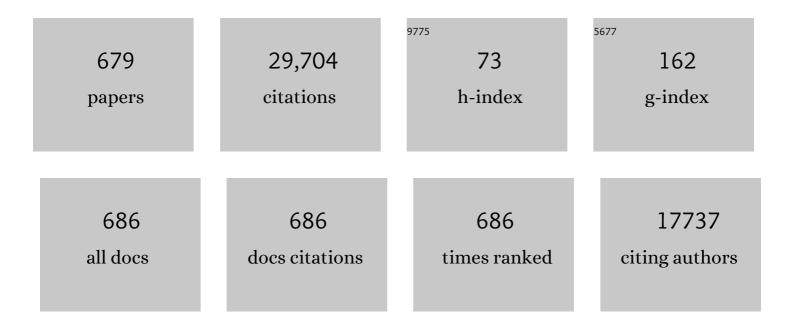
Juerg Leuthold

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Magnetism from conductors and enhanced nonlinear phenomena. IEEE Transactions on Microwave Theory and Techniques, 1999, 47, 2075-2084.	2.9	7,290
2	Wireless sub-THz communication system with high data rate. Nature Photonics, 2013, 7, 977-981.	15.6	1,137
3	Nonlinear silicon photonics. Nature Photonics, 2010, 4, 535-544.	15.6	1,073
4	All-optical high-speed signal processing with silicon–organic hybrid slot waveguides. Nature Photonics, 2009, 3, 216-219.	15.6	777
5	Subdiffraction resolution in far-field fluorescence microscopy. Optics Letters, 1999, 24, 954.	1.7	734
6	PHASAR-based WDM-devices: Principles, design and applications. IEEE Journal of Selected Topics in Quantum Electronics, 1996, 2, 236-250.	1.9	729
7	Coherent terabit communications with microresonator Kerr frequency combs. Nature Photonics, 2014, 8, 375-380.	15.6	526
8	High-speed plasmonic phase modulators. Nature Photonics, 2014, 8, 229-233.	15.6	511
9	26ÂTbitÂsâ^'1 line-rate super-channel transmission utilizing all-optical fast Fourier transform processing. Nature Photonics, 2011, 5, 364-371.	15.6	483
10	Error Vector Magnitude as a Performance Measure for Advanced Modulation Formats. IEEE Photonics Technology Letters, 2012, 24, 61-63.	1.3	481
11	All-plasmonic Mach–Zehnder modulator enabling optical high-speed communication at the microscale. Nature Photonics, 2015, 9, 525-528.	15.6	466
12	Nonlinear silicon-on-insulator waveguides for all-optical signal processing. Optics Express, 2007, 15, 5976.	1.7	366
13	Low-loss plasmon-assisted electro-optic modulator. Nature, 2018, 556, 483-486.	13.7	312
14	Large Pockels effect in micro- and nanostructured barium titanate integrated on silicon. Nature Materials, 2019, 18, 42-47.	13.3	311
15	Photonic wire bonding: a novel concept for chip-scale interconnects. Optics Express, 2012, 20, 17667.	1.7	292
16	High-speed low-voltage electro-optic modulator with a polymer-infiltrated silicon photonic crystal waveguide. Optics Express, 2008, 16, 4177.	1.7	282
17	100â€GHz silicon–organic hybrid modulator. Light: Science and Applications, 2014, 3, e173-e173.	7.7	252
18	High-speed plasmonic modulator in a single metal layer. Science, 2017, 358, 630-632.	6.0	236

#	Article	IF	CITATIONS
19	Surface plasmon polariton absorption modulator. Optics Express, 2011, 19, 8855.	1.7	226
20	Simple all-optical FFT scheme enabling Tbit/s real-time signal processing. Optics Express, 2010, 18, 9324.	1.7	213
21	Waveguide-integrated van der Waals heterostructure photodetector at telecom wavelengths with high responsivity. Nature Nanotechnology, 2020, 15, 118-124.	15.6	208
22	On-Chip Narrowband Thermal Emitter for Mid-IR Optical Gas Sensing. ACS Photonics, 2017, 4, 1371-1380.	3.2	190
23	Femtojoule electro-optic modulation using a silicon–organic hybrid device. Light: Science and Applications, 2015, 4, e255-e255.	7.7	187
24	427 Gbit/s electro-optic modulator in silicon technology. Optics Express, 2011, 19, 11841.	1.7	176
25	500 GHz plasmonic Mach-Zehnder modulator enabling sub-THz microwave photonics. APL Photonics, 2019, 4, .	3.0	176
26	Study of all-optical XOR using Mach-Zehnder Interferometer and differential scheme. IEEE Journal of Quantum Electronics, 2004, 40, 703-710.	1.0	174
27	Plasmonically Enhanced Graphene Photodetector Featuring 100 Gbit/s Data Reception, High Responsivity, and Compact Size. ACS Photonics, 2019, 6, 154-161.	3.2	169
28	Real-time Nyquist pulse generation beyond 100 Gbit/s and its relation to OFDM. Optics Express, 2012, 20, 317.	1.7	162
29	Reduced propagation loss in silicon strip and slot waveguides coated by atomic layer deposition. Optics Express, 2011, 19, 11529.	1.7	154
30	Performance tradeoff between lateral and interdigitated doping patterns for high speed carrier-depletion based silicon modulators. Optics Express, 2012, 20, 12926.	1.7	154
31	100 GHz Plasmonic Photodetector. ACS Photonics, 2018, 5, 3291-3297.	3.2	146
32	Silicon Organic Hybrid Technology—A Platform for Practical Nonlinear Optics. Proceedings of the IEEE, 2009, 97, 1304-1316.	16.4	145
33	Mapping the university technology transfer process. Journal of Business Venturing, 1997, 12, 423-434.	4.0	144
34	Single-Laser 325ÂTbit/s Nyquist WDM Transmission. Journal of Optical Communications and Networking, 2012, 4, 715.	3.3	138
35	Silicon-Organic Hybrid Electro-Optical Devices. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 114-126.	1.9	134
36	100 Gbit/s all-optical wavelength conversion with integrated SOA delayed-interference configuration. Electronics Letters, 2000, 36, 1129.	0.5	133

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37	High-Speed, Low Drive-Voltage Silicon-Organic Hybrid Modulator Based on a Binary-Chromophore Electro-Optic Material. Journal of Lightwave Technology, 2014, 32, 2726-2734.	2.7	130
38	Plasmonic modulator with >170 GHz bandwidth demonstrated at 100 GBd NRZ. Optics Express, 2017, 25, 1762.	1.7	125
39	Silicon–Organic and Plasmonic–Organic Hybrid Photonics. ACS Photonics, 2017, 4, 1576-1590.	3.2	123
40	Silicon-Organic Hybrid (SOH) and Plasmonic-Organic Hybrid (POH) Integration. Journal of Lightwave Technology, 2016, 34, 256-268.	2.7	119
41	Atomic Scale Plasmonic Switch. Nano Letters, 2016, 16, 709-714.	4.5	118
42	Acceleration of gain recovery in semiconductor optical amplifiers by optical injection near transparency wavelength. IEEE Photonics Technology Letters, 2002, 14, 12-14.	1.3	116
43	Multimode interference couplers with tunable power splitting ratios. Journal of Lightwave Technology, 2001, 19, 700-707.	2.7	114
44	Nonlinearities of organic electro-optic materials in nanoscale slots and implications for the optimum modulator design. Optics Express, 2017, 25, 2627.	1.7	114
45	Real-Time Software-Defined Multiformat Transmitter Generating 64QAM at 28 GBd. IEEE Photonics Technology Letters, 2010, 22, 1601-1603.	1.3	112
46	Plasmonic IQ modulators with attojoule per bit electrical energy consumption. Nature Communications, 2019, 10, 1694.	5.8	112
47	Slow and fast dynamics of gain and phase in a quantum dot semiconductor optical amplifier. Optics Express, 2008, 16, 170.	1.7	107
48	All-Optical Wavelength Conversion Using a Pulse Reformatting Optical Filter. Journal of Lightwave Technology, 2004, 22, 186-192.	2.7	105
49	Measurement of eye diagrams and constellation diagrams of optical sources using linear optics and waveguide technology. Journal of Lightwave Technology, 2005, 23, 178-186.	2.7	103
50	Perpendicular Grating Coupler Based on a Blazed Antiback-Reflection Structure. Journal of Lightwave Technology, 2017, 35, 4663-4669.	2.7	103
51	Multimode interference couplers for the conversion and combining of zero- and first-order modes. Journal of Lightwave Technology, 1998, 16, 1228-1239.	2.7	102
52	Optical properties of highly nonlinear silicon-organic hybrid (SOH) waveguide geometries. Optics Express, 2009, 17, 17357.	1.7	102
53	Silicon-organic hybrid (SOH) IQ modulator using the linear electro-optic effect for transmitting 16QAM at 112 Gbit/s. Optics Express, 2013, 21, 13219.	1.7	100
54	The plasmonic memristor: a latching optical switch. Optica, 2014, 1, 198.	4.8	100

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55	Silicon-organic hybrid (SOH) frequency comb sources for terabit/s data transmission. Optics Express, 2014, 22, 3629.	1.7	99
56	Dispersion Relation and Loss of Subwavelength Confined Mode of Metal-Dielectric-Gap Optical Waveguides. IEEE Photonics Technology Letters, 2009, 21, 362-364.	1.3	98
57	Plasmonic Communications: Light on a Wire. Optics and Photonics News, 2013, 24, 28.	0.4	98
58	Demonstration of 42.7-Gb/s DPSK receiver with 45 photons/bit sensitivity. IEEE Photonics Technology Letters, 2003, 15, 99-101.	1.3	97
59	Radiation Modes and Roughness Loss in High Index-Contrast Waveguides. IEEE Journal of Selected Topics in Quantum Electronics, 2006, 12, 1306-1321.	1.9	95
60	2.5 Tb/s (64×42.7 Gb/s) transmission over 40×100 km NZDSF using RZ-DPSK format and all-Raman-amplified spans. , 0, , .		93
61	Nonlinear Optics in Telecommunications. Advanced Texts in Physics, 2004, , .	0.5	92
62	Survey of Photonic and Plasmonic Interconnect Technologies for Intra-Datacenter and High-Performance Computing Communications. IEEE Communications Surveys and Tutorials, 2018, 20, 2758-2783.	24.8	90
63	A monolithic bipolar CMOS electronic–plasmonic high-speed transmitter. Nature Electronics, 2020, 3, 338-345.	13.1	89
64	Quality metrics for optical signals: Eye diagram, Q-factor, OSNR, EVM and BER. , 2012, , .		88
65	Electrically Controlled Plasmonic Switches and Modulators. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 276-283.	1.9	88
66	Plasmonic Photodetectors. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-13.	1.9	88
67	Direct Conversion of Free Space Millimeter Waves to Optical Domain by Plasmonic Modulator Antenna. Nano Letters, 2015, 15, 8342-8346.	4.5	85
68	Silicon-plasmonic internal-photoemission detector for 40  Gbit/s data reception. Optica, 2016, 3, 741.	4.8	84
69	Low-Loss Silicon Strip-to-Slot Mode Converters. IEEE Photonics Journal, 2013, 5, 2200409-2200409.	1.0	83
70	Fast MoTe ₂ Waveguide Photodetector with High Sensitivity at Telecommunication Wavelengths. ACS Photonics, 2018, 5, 1846-1852.	3.2	83
71	Compact Mid-Infrared Gas Sensing Enabled by an All-Metamaterial Design. Nano Letters, 2020, 20, 4169-4176.	4.5	83
72	Continuously tunable true-time delays with ultra-low settling time. Optics Express, 2015, 23, 6952.	1.7	80

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73	512QAM Nyquist sinc-pulse transmission at 54 Gbit/s in an optical bandwidth of 3 GHz. Optics Express, 2012, 20, 6439.	1.7	79
74	1-Tb/s (6 x 170.6 Gb/s) transmission over 2000-km NZDF using OTDM and RZ-DPSK format. IEEE Photonics Technology Letters, 2003, 15, 1618-1620.	1.3	78
75	Compact and ultra-efficient broadband plasmonic terahertz field detector. Nature Communications, 2019, 10, 5550.	5.8	77
76	Plasmonic Organic Hybrid Modulators—Scaling Highest Speed Photonics to the Microscale. Proceedings of the IEEE, 2016, 104, 2362-2379.	16.4	76
77	Effect of Rigid Bridge-Protection Units, Quadrupolar Interactions, and Blending in Organic Electro-Optic Chromophores. Chemistry of Materials, 2017, 29, 6457-6471.	3.2	76
78	Silicon-organic hybrid phase shifter based on a slot waveguide with a liquid-crystal cladding. Optics Express, 2012, 20, 15359.	1.7	74
79	Theoretical and experimental analysis of the structural pattern responsible for the iridescence of Morpho butterflies. Optics Express, 2013, 21, 14351.	1.7	73
80	Low Power Mach–Zehnder Modulator in Silicon-Organic Hybrid Technology. IEEE Photonics Technology Letters, 2013, 25, 1226-1229.	1.3	72
81	108 Gbit/s Plasmonic Mach–Zehnder Modulator with > 70-GHz Electrical Bandwidth. Journal of Lightwave Technology, 2016, 34, 393-400.	2.7	71
82	Novel 3R regenerator based on semiconductor optical amplifier delayed-interference configuration. IEEE Photonics Technology Letters, 2001, 13, 860-862.	1.3	70
83	25 x 40-Gb/s copolarized DPSK transmission over 12 x 100-km NZDF with 50-GHz channel spacing. IEEE Photonics Technology Letters, 2003, 15, 467-469.	1.3	68
84	All-optical logic XOR using differential scheme and Mach-Zehnder interferometer. Electronics Letters, 2002, 38, 1271.	0.5	67
85	Microwave plasmonic mixer in a transparent fibre–wireless link. Nature Photonics, 2018, 12, 749-753.	15.6	67
86	Material gain of bulk 1.55 μm InGaAsP/InP semiconductor optical amplifiers approximated by a polynomial model. Journal of Applied Physics, 2000, 87, 618-620.	1.1	66
87	Plasmonic-organic hybrid (POH) modulators for OOK and BPSK signaling at 40 Gbit/s. Optics Express, 2015, 23, 9938.	1.7	65
88	Low-power silicon-organic hybrid (SOH) modulators for advanced modulation formats. Optics Express, 2014, 22, 29927.	1.7	64
89	Nano–opto-electro-mechanical switches operated at CMOS-level voltages. Science, 2019, 366, 860-864.	6.0	64
90	Temporal Dynamics of the Alpha Factor in Semiconductor Optical Amplifiers. Journal of Lightwave Technology, 2007, 25, 891-900.	2.7	63

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91	All-optical space switches with gain and principally ideal extinction ratios. IEEE Journal of Quantum Electronics, 1998, 34, 622-633.	1.0	60
92	160â€Gbitâ^•s SOA all-optical wavelength converter and assessment of its regenerative properties. Electronics Letters, 2004, 40, 554.	0.5	60
93	High aspect ratio gratings for X-ray phase contrast imaging. AIP Conference Proceedings, 2012, , .	0.3	60
94	Cascadability and Regenerative Properties of SOA All-Optical DPSK Wavelength Converters. IEEE Photonics Technology Letters, 2006, 18, 1970-1972.	1.3	59
95	40â€Gbitâ^•s transmission and cascaded all-optical wavelength conversion over 1â€000â€000â€km. Elect Letters, 2002, 38, 890.	ronics	58
96	Flexible RF-Based Comb Generator. IEEE Photonics Technology Letters, 2013, 25, 701-704.	1.3	58
97	An OFDMA-based optical access network architecture exhibiting ultra-high capacity and wireline-wireless convergence. , 2012, 50, 71-78.		56
98	Digital Plasmonic Absorption Modulator Exploiting Epsilon-Near-Zero in Transparent Conducting Oxides. IEEE Photonics Journal, 2016, 8, 1-13.	1.0	54
99	Plasmonic Ferroelectric Modulators. Journal of Lightwave Technology, 2019, 37, 281-290.	2.7	54
100	Spatial mode filters realized with multimode interference couplers. Optics Letters, 1996, 21, 836.	1.7	53
101	Optically powered fiber networks. Optics Express, 2008, 16, 21821.	1.7	53
102	Compensation of intrachannel nonlinearities in 40-Gb/s pseudolinear systems using optical-phase conjugation. Journal of Lightwave Technology, 2005, 23, 172-177.	2.7	52
103	Pulse-Shaping With Digital, Electrical, and Optical Filters—A Comparison. Journal of Lightwave Technology, 2013, 31, 2570-2577.	2.7	52
104	Technological challenges on the road toward transparent networking. Journal of Optical Networking, 2008, 7, 321.	2.5	51
105	Harnessing nonlinearities near material absorption resonances for reducing losses in plasmonic modulators. Optical Materials Express, 2017, 7, 2168.	1.6	51
106	40 GBd 16QAM Signaling at 160 Gb/s in a Silicon-Organic Hybrid Modulator. Journal of Lightwave Technology, 2015, 33, 1210-1216.	2.7	50
107	High speed plasmonic modulator array enabling dense optical interconnect solutions. Optics Express, 2015, 23, 29746.	1.7	49
108	High Spectral Density Long-Haul 40-Gb/s Transmission Using CSRZ-DPSK Format. Journal of Lightwave Technology, 2004, 22, 208-214.	2.7	48

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109	Digitally Controlled Phase Shifter Using an SOI Slot Waveguide With Liquid Crystal Infiltration. IEEE Photonics Technology Letters, 2015, 27, 1269-1272.	1.3	48
110	40-Gb/s return-to-zero alternate-mark-inversion (RZ-AMI) transmission over 2000 km. IEEE Photonics Technology Letters, 2003, 15, 766-768.	1.3	47
111	10-Gb/s RZ-DPSK Transmitter Using a Saturated SOA as a Power Booster and Limiting Amplifier. IEEE Photonics Technology Letters, 2004, 16, 1582-1584.	1.3	47
112	An Optically Powered Video Camera Link. IEEE Photonics Technology Letters, 2008, 20, 39-41.	1.3	47
113	Real-time OFDM transmitter beyond 100 Gbit/s. Optics Express, 2011, 19, 12740.	1.7	45
114	Ultra-High-Speed 2:1 Digital Selector and Plasmonic Modulator IM/DD Transmitter Operating at 222ÂGBaud for Intra-Datacenter Applications. Journal of Lightwave Technology, 2020, 38, 2734-2739.	2.7	45
115	DAC-Less Amplifier-Less Generation and Transmission of QAM Signals Using Sub-Volt Silicon-Organic Hybrid Modulators. Journal of Lightwave Technology, 2015, 33, 1425-1432.	2.7	44
116	Lasing in silicon–organic hybrid waveguides. Nature Communications, 2016, 7, 10864.	5.8	44
117	120 GBd plasmonic Mach-Zehnder modulator with a novel differential electrode design operated at a peak-to-peak drive voltage of 178 mV. Optics Express, 2019, 27, 16823.	1.7	44
118	40 Gbit/s pseudo-linear transmission over one million kilometers. , 0, , .		43
119	Second-order nonlinear optical metamaterials: ABC-type nanolaminates. Applied Physics Letters, 2015, 107, .	1.5	43
120	Return-to-zero modulator using a single NRZ drive signal and an optical delay interferometer. IEEE Photonics Technology Letters, 2001, 13, 1298-1300.	1.3	41
121	Silicon-Organic Hybrid MZI Modulator Generating OOK, BPSK and 8-ASK Signals for Up to 84 Gbit/s. IEEE Photonics Journal, 2013, 5, 6600907-6600907.	1.0	41
122	Optimization of Plasmonic-Organic Hybrid Electro-Optics. Journal of Lightwave Technology, 2018, 36, 5036-5047.	2.7	41
123	RZ-DPSK Transmission Using a 42.7-Gb/s Integrated Balanced Optical Front End With Record Sensitivity. Journal of Lightwave Technology, 2004, 22, 180-185.	2.7	40
124	Progress in Multichannel All-Optical Regeneration Based on Fiber Technology. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 689-700.	1.9	40
125	Optical memristive switches. Journal of Electroceramics, 2017, 39, 239-250.	0.8	40
126	All-optical Mach-Zehnder interferometer wavelength converters and switches with integrated data- and control-signal separation scheme. Journal of Lightwave Technology, 1999, 17, 1056-1066.	2.7	39

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127	Opto-electronic memristors: Prospects and challenges in neuromorphic computing. Applied Physics Letters, 2020, 117, .	1.5	39
128	Electro-optic interface for ultrasensitive intracavity electric field measurements at microwave and terahertz frequencies. Optica, 2020, 7, 498.	4.8	39
129	Title is missing!. Optical and Quantum Electronics, 2001, 33, 939-952.	1.5	38
130	Second-order nonlinear silicon-organic hybrid waveguides. Optics Express, 2012, 20, 20506.	1.7	38
131	2-D Grating Couplers for Vertical Fiber Coupling in Two Polarizations. IEEE Photonics Journal, 2019, 11, 1-9.	1.0	38
132	All-optical wavelength conversion and broadcasting to eight separate channels by a single semiconductor optical amplifier delay interferometer. , 0, , .		37
133	Design and implementation of wavelength-flexible network nodes. Journal of Lightwave Technology, 2003, 21, 648-663.	2.7	37
134	The Input Power Dynamic Range of a Semiconductor Optical Amplifier and Its Relevance for Access Network Applications. IEEE Photonics Journal, 2011, 3, 1039-1053.	1.0	37
135	Real-time OFDM or Nyquist pulse generation – which performs better with limited resources?. Optics Express, 2012, 20, B543.	1.7	37
136	Using carrier-depletion silicon modulators for optical power monitoring. Optics Letters, 2012, 37, 4681.	1.7	37
137	Atomic Scale Photodetection Enabled by a Memristive Junction. ACS Nano, 2018, 12, 6706-6713.	7.3	37
138	100-GBd Waveguide Bragg Grating Modulator in Thin-Film Lithium Niobate. IEEE Photonics Technology Letters, 2021, 33, 85-88.	1.3	37
139	Pattern Effect Removal Technique for Semiconductor-Optical-Amplifier-Based Wavelength Conversion. IEEE Photonics Technology Letters, 2007, 19, 1955-1957.	1.3	36
140	Deep learning based digital backpropagation demonstrating SNR gain at low complexity in a 1200 km transmission link. Optics Express, 2020, 28, 29318.	1.7	36
141	Optical /spl pi//2-DPSK and its tolerance to filtering and polarization-mode dispersion. IEEE Photonics Technology Letters, 2003, 15, 1639-1641.	1.3	35
142	Integrated optical frequency shifter in silicon-organic hybrid (SOH) technology. Optics Express, 2016, 24, 11694.	1.7	35
143	Ultra compact electrochemical metallization cells offering reproducible atomic scale memristive switching. Communications Physics, 2019, 2, .	2.0	35
144	Analog Nanoscale Electro-Optical Synapses for Neuromorphic Computing Applications. ACS Nano, 2021, 15, 14776-14785.	7.3	35

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145	Waveguide coupled III-V photodiodes monolithically integrated on Si. Nature Communications, 2022, 13, 909.	5.8	35
146	Systematic investigation into the influence of growth conditions on InAs/GaAs quantum dot properties. Journal of Applied Physics, 2007, 102, 073511.	1.1	34
147	Experimental Demonstration of a Statistical OFDM-PON With Multiband ONUs and Elastic Bandwidth Allocation [Invited]. Journal of Optical Communications and Networking, 2015, 7, A73.	3.3	34
148	Three-Dimensional Phase Modulator at Telecom Wavelength Acting as a Terahertz Detector with an Electro-Optic Bandwidth of 1.25 Terahertz. ACS Photonics, 2018, 5, 1398-1403.	3.2	34
149	Design and synthesis of chromophores with enhanced electro-optic activities in both bulk and plasmonic–organic hybrid devices. Materials Horizons, 2022, 9, 261-270.	6.4	34
150	Efficient modulation cancellation usingreflective SOAs. Optics Express, 2012, 20, B587.	1.7	33
151	80 Gb/s wavelength conversion using a quantum-dot semiconductor optical amplifier and optical filtering. Optics Express, 2011, 19, 5134.	1.7	32
152	Plasmonic phased array feeder enabling ultra-fast beam steering at millimeter waves. Optics Express, 2016, 24, 25608.	1.7	32
153	Nonblocking all-optical cross connect based on regenerative all-optical wavelength converter in a transparent demonstration over 42 nodes and 16800 km. Journal of Lightwave Technology, 2003, 21, 2863-2870.	2.7	31
154	Influence of InGaAs cap layers with different In concentration on the properties of InGaAs quantum dots. Journal of Applied Physics, 2008, 103, 083532.	1.1	31
155	All-Fiberized Dispersion-Managed Multichannel Regeneration at 43 Gb/s. IEEE Photonics Technology Letters, 2008, 20, 1854-1856.	1.3	30
156	Reflective-SOA Fiber Cavity Laser as Directly Modulated WDM-PON Colorless Transmitter. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 503-511.	1.9	30
157	100 Gbit/s Wireless Link with mm-Wave Photonics. , 2013, , .		29
158	Ultra-Fast Millimeter Wave Beam Steering. IEEE Journal of Quantum Electronics, 2016, 52, 1-8.	1.0	29
159	Machine Learning for Analysis of Time-Resolved Luminescence Data. ACS Photonics, 2018, 5, 4888-4895.	3.2	29
160	Single Source Optical OFDM Transmitter and Optical FFT Receiver Demonstrated at Line Rates of 5.4 and 10.8 Tbit/s. , 2010, , .		29
161	Linear semiconductor optical amplifiers for amplification of advanced modulation formats. Optics Express, 2012, 20, 9657.	1.7	28
162	Transmission of an ASK-Labeled RZ-DPSK Signal and Label Erasure Using a Saturated SOA. IEEE Photonics Technology Letters, 2004, 16, 1594-1596.	1.3	27

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163	Search-Based Testing of Ajax Web Applications. , 2009, , .		27
164	Single Source Optical OFDM Transmitter and Optical FFT Receiver Demonstrated at Line Rates of 5.4 and 10.8 Tbit/s. , 2010, , .		26
165	Optical absorption in silicon layers in the presence of charge inversion/accumulation or ion implantation. Applied Physics Letters, 2013, 103, .	1.5	26
166	Monolithic GaAs Electro-Optic IQ Modulator Demonstrated at 150 Gbit/s With 64QAM. Journal of Lightwave Technology, 2014, 32, 760-765.	2.7	26
167	Photonic-to-plasmonic mode converter. Optics Letters, 2014, 39, 3488.	1.7	26
168	Efficient Multiterminal Spectrum Splitting via a Nanowire Array Solar Cell. ACS Photonics, 2015, 2, 1284-1288.	3.2	26
169	Modified Godard Timing Recovery for Non Integer Oversampling Receivers. Applied Sciences (Switzerland), 2017, 7, 655.	1.3	26
170	Characterization of CMOS metal based dielectric loaded surface plasmon waveguides at telecom wavelengths. Optics Express, 2017, 25, 394.	1.7	26
171	Ultra-Compact Terabit Plasmonic Modulator Array. Journal of Lightwave Technology, 2019, 37, 1484-1491.	2.7	26
172	All-optical XOR operation of 40â€Gbitâ^•s phase-shift-keyed data using four-wave mixing in semiconductor optical amplifier. Electronics Letters, 2004, 40, 496.	0.5	25
173	High-efficiency spectrum splitting for solar photovoltaics. Solar Energy Materials and Solar Cells, 2015, 136, 120-126.	3.0	25
174	High-Quality Optical Frequency Comb by Spectral Slicing of Spectra Broadened by SPM. IEEE Photonics Journal, 2013, 5, 7201011-7201011.	1.0	24
175	20  Gbit/s Wireless Bridge at 220  GHz Connecting Two Fiber-Optic Links. Journal of Optical Communications and Networking, 2014, 6, 54.	3.3	24
176	Transparent Optical-THz-Optical Link at 240/192 Gbit/s Over 5/115 m Enabled by Plasmonics. Journal of Lightwave Technology, 2022, 40, 1690-1697.	2.7	24
177	Electro-Optic Organic Crystal Silicon High-Speed Modulator. IEEE Photonics Journal, 2014, 6, 1-9.	1.0	23
178	Ultrahigh-speed optical phase correlated data signals. IEEE Photonics Technology Letters, 2003, 15, 1597-1599.	1.3	22
179	Amplification of advanced modulation formats with a semiconductor optical amplifier cascade. Optics Express, 2014, 22, 17854.	1.7	22
180	Reliable and lightningâ€safe monitoring of wind turbine rotor blades using optically powered sensors. Wind Energy, 2017, 20, 345-360.	1.9	22

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18	A simple and rigorous verification technique for nonlinear fdtd algorithms by optical parametric four-wave mixing. Microwave and Optical Technology Letters, 2006, 48, 88-91.	0.9	21
18	 Ideal Bend Contour Trajectories for Single-Mode Operation of Low-Loss Overmoded Waveguides. IEEE Photonics Technology Letters, 2007, 19, 819-821. 	1.3	21
18	3 Free-space optical delay interferometer with tunable delay and phase. Optics Express, 2011, 19, 11654.	1.7	21
18	Corrections to "Error Vector Magnitude as a Performance Measure for Advanced Modulation Formats―[Jan 1, 2012 61-63]. IEEE Photonics Technology Letters, 2012, 24, 2198-2198.	1.3	21
18	Low-Complexity Real-Time Receiver for Coherent Nyquist-FDM Signals. Journal of Lightwave Technology, 2018, 36, 5728-5737.	2.7	21
18	6 High-speed CMOS-compatible III-V on Si membrane photodetectors. Optics Express, 2021, 29, 509.	1.7	21
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