

Thomas Schneider

List of Publications by Year in descending order

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195
papers

2,900
citations

172207

29
h-index

197535

49
g-index

195
all docs

195
docs citations

195
times ranked

1708
citing authors

#	ARTICLE	IF	CITATIONS
1	Link Budget Analysis for Terahertz Fixed Wireless Links. IEEE Transactions on Terahertz Science and Technology, 2012, 2, 250-256.	2.0	215
2	Optical sinc-shaped Nyquist pulses of exceptional quality. Nature Communications, 2013, 4, 2898.	5.8	195
3	All Active MMIC-Based Wireless Communication at 220 GHz. IEEE Transactions on Terahertz Science and Technology, 2011, 1, 477-487.	2.0	188
4	Ultra-narrow linewidth, stable and tunable laser source for optical communication systems and spectroscopy. Optics Letters, 2014, 39, 5826.	1.7	120
5	Brillouin scattering gain bandwidth reduction down to 34MHz. Optics Express, 2011, 19, 8565.	1.7	101
6	Nonlinear Optics in Telecommunications. Advanced Texts in Physics, 2004, , .	0.5	92
7	Tunable sharp and highly selective microwave-photon band-pass filters based on stimulated Brillouin scattering. Photonics Research, 2014, 2, B18.	3.4	90
8	Investigation of Brillouin scattering in optical fibers for the generation of Millimeter waves. Journal of Lightwave Technology, 2006, 24, 295-304.	2.7	70
9	Generation of millimetre-wave signals by stimulated Brillouin scattering for radio over fibre systems. Electronics Letters, 2004, 40, 1500.	0.5	56
10	Enhancement of spectral resolution and optical rejection ratio of Brillouin optical spectral analysis using polarization pulling. Optics Express, 2012, 20, 14734.	1.7	55
11	Theoretical and experimental investigation of Brillouin scattering for the generation of millimeter waves. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 1012.	0.9	51
12	Bandwidth reduction in a multistage Brillouin system. Optics Letters, 2012, 37, 4122.	1.7	50
13	Quasi-Light-Storage based on time-frequency coherence. Optics Express, 2009, 17, 15790.	1.7	49
14	Comparison of delay enhancement mechanisms for SBS-based slow light systems. Optics Express, 2007, 15, 9606.	1.7	46
15	Potential ultra wide slow-light bandwidth enhancement. Optics Express, 2006, 14, 11082.	1.7	45
16	Time delay enhancement in stimulated-Brillouin-scattering-based slow-light systems. Optics Letters, 2007, 32, 220.	1.7	44
17	Frequency domain aperture for the gain bandwidth reduction of stimulated Brillouin scattering. Optics Letters, 2012, 37, 930.	1.7	43
18	Stimulated Brillouin scattering gain bandwidth reduction and applications in microwave photonics and optical signal processing. Optical Engineering, 2015, 55, 031110.	0.5	43

#	ARTICLE	IF	CITATIONS
19	Generation of ultra-narrow, stable and tunable millimeter- and terahertz- waves with very low phase noise. Optics Express, 2013, 21, 23950.	1.7	42
20	Time delay limits of stimulated-Brillouin-scattering-based slow light systems. Optics Letters, 2008, 33, 1398.	1.7	41
21	Wavelength and line width measurement of optical sources with femtometre resolution. Electronics Letters, 2005, 41, 1234.	0.5	40
22	Sharp tunable and additional noise-free optical filter based on Brillouin losses. Photonics Research, 2018, 6, 132.	3.4	37
23	Ultrafast optical switching by instantaneous laser-induced grating formation and self-diffraction in barium fluoride. Applied Physics B: Lasers and Optics, 1999, 68, 749-751.	1.1	34
24	Flexible Nyquist Pulse Sequence Generation With Variable Bandwidth and Repetition Rate. IEEE Photonics Journal, 2014, 6, 1-8.	1.0	32
25	Distortion reduction in cascaded slow light delays. Electronics Letters, 2006, 42, 1110.	0.5	30
26	Distortion reduction in Slow Light systems based on stimulated Brillouin scattering. Optics Express, 2008, 16, 8280.	1.7	30
27	Zero-broadening and pulse compression slow light in an optical fiber at high pulse delays. Optics Express, 2008, 16, 15617.	1.7	30
28	Quasi-Light Storage: A Method for the Tunable Storage of Optical Packets With a Potential Delay-Bandwidth Product of Several Thousand Bits. Journal of Lightwave Technology, 2010, 28, 2586-2592.	2.7	30
29	Ultrahigh-Resolution Spectroscopy Based on the Bandwidth Reduction of Stimulated Brillouin Scattering. IEEE Photonics Technology Letters, 2011, 23, 1118-1120.	1.3	29
30	Integrated source-free all optical sampling with a sampling rate of up to three times the RF bandwidth of silicon photonic MZM. Optics Express, 2019, 27, 29972.	1.7	29
31	Ultrahigh-Bitrate Wireless Data Communications via THz-Links; Possibilities and Challenges. Journal of Infrared, Millimeter, and Terahertz Waves, 2015, 36, 159-179.	1.2	28
32	Eight-Channel Silicon-Photonic Wavelength Division Multiplexer With 17 GHz Spacing. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-10.	1.9	28
33	Attometer resolution spectral analysis based on polarization pulling assisted Brillouin scattering merged with heterodyne detection. Optics Express, 2015, 23, 26879.	1.7	27
34	Matching p-i-n-junctions and optical modes enables fast and ultra-small silicon modulators. Optics Express, 2013, 21, 16210.	1.7	26
35	Effects of pump pulse extinction ratio in Brillouin optical time-domain analysis sensors. Optics Express, 2017, 25, 27896.	1.7	26
36	Frequency-time coherence for all-optical sampling without optical pulse source. Scientific Reports, 2016, 6, 34500.	1.6	25

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37	Generation of Nyquist sinc pulses using intensity modulators. , 2013, , .		24
38	A comparative test of Brillouin amplification and erbium-doped fiber amplification for the generation of millimeter waves with low phase noise properties. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 1576-1581.	2.9	22
39	Zero-broadening measurement in Brillouin based slow-light delays. Optics Express, 2009, 17, 797.	1.7	21
40	Flat, rectangular frequency comb generation with tunable bandwidth and frequency spacing. Optics Letters, 2014, 39, 1637.	1.7	21
41	Design and Simulation of Thermo-Optic Phase Shifters With Low Thermal Crosstalk for Dense Photonic Integration. IEEE Access, 2020, 8, 141632-141640.	2.6	21
42	Optical processing on a femtosecond time scale. Optics Communications, 2002, 207, 155-160.	1.0	20
43	The State-of-the-Art of Brillouin Distributed Fiber Sensing. , 0, , .		19
44	Agnostic sampling transceiver. Optics Express, 2021, 29, 14828.	1.7	19
45	Quasi-light-storage enhancement by reducing the Brillouin gain bandwidth. Applied Optics, 2011, 50, 4252.	2.1	18
46	System concept and implementation of a mmW wireless link providing data rates up to 25 Gbit/s. , 2011, , .		17
47	Nonlinearity- and dispersion- less integrated optical time magnifier based on a high-Q SiN microring resonator. Scientific Reports, 2019, 9, 14277.	1.6	17
48	Gain Spectrum Engineering in Distributed Brillouin Fiber Sensors. Journal of Lightwave Technology, 2019, 37, 5231-5237.	2.7	17
49	Orthogonal Full-Field Optical Sampling. IEEE Photonics Journal, 2019, 11, 1-9.	1.0	17
50	Efficient self phase matched third harmonic generation of ultrashort pulses in a material with positive dispersion. Applied Physics B: Lasers and Optics, 2001, 72, 563-565.	1.1	16
51	Influence of an ultrafast transient refractive-index grating on nonlinear optical phenomena. Physical Review A, 2002, 65, .	1.0	16
52	Investigation of Gain Dependent Relative Intensity Noise in Fiber Brillouin Amplification. Journal of Lightwave Technology, 2016, 34, 3930-3936.	2.7	16
53	Photonicly synchronized large aperture radar for autonomous driving. Optics Express, 2019, 27, 1199.	1.7	16
54	Photonic Arbitrary Waveform Generation With Three Times the Sampling Rate of the Modulator Bandwidth. IEEE Photonics Technology Letters, 2020, 32, 1544-1547.	1.3	15

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55	Fully-tunable microwave photonic filter with complex coefficients using tunable delay lines based on frequency-time conversions. <i>Optics Express</i> , 2012, 20, 22728.	1.7	14
56	Measurement Accuracy Enhancement via Radio Frequency Filtering in Distributed Brillouin Sensing. <i>Sensors</i> , 2019, 19, 2878.	2.1	14
57	CMOS-Compatible Photonic Phase Shifters With Extremely Low Thermal Crosstalk Performance. <i>Journal of Lightwave Technology</i> , 2021, 39, 2113-2122.	2.7	14
58	Integrated group delay units for real-time reconfigurable spectrum sensing of mm-wave signals. <i>Optics Letters</i> , 2020, 45, 4778.	1.7	14
59	Tunable microwave-photonic filter using frequency-to-time mapping-based delay lines. <i>Optics Express</i> , 2013, 21, 21702.	1.7	13
60	The Influence of Dispersion on Stimulated-Brillouin-Scattering-Based Microwave Photonic Notch Filters. <i>Journal of Lightwave Technology</i> , 2018, 36, 5145-5151.	2.7	13
61	Fourier-based solving approach for the transport-of-intensity equation with reduced restrictions. <i>Optics Express</i> , 2018, 26, 11458.	1.7	13
62	Analysis of Non-Idealities in the Generation of Reconfigurable Sinc-Shaped Optical Nyquist Pulses. <i>IEEE Access</i> , 2021, 9, 76286-76295.	2.6	13
63	Photonic Microwave Frequency Measurement With High Accuracy and Sub-MHz Resolution. <i>Journal of Lightwave Technology</i> , 2022, 40, 2748-2753.	2.7	13
64	High-Bandwidth Arbitrary Signal Detection Using Low-Speed Electronics. <i>IEEE Photonics Journal</i> , 2022, 14, 1-7.	1.0	13
65	Femtosecond third-harmonic generation: self-phase matching through a transient. Kerr grating and the way to ultrafast computing. <i>Applied Physics B: Lasers and Optics</i> , 2002, 74, 745-748.	1.1	12
66	Pulse broadening cancellation in cascaded slow-light delays. <i>Optics Express</i> , 2009, 17, 7586.	1.7	12
67	All optical tunable storage of phase-shift-keyed data packets. <i>Optics Express</i> , 2012, 20, 18224.	1.7	11
68	Is the Rayleigh-Sommerfeld diffraction always an exact reference for high speed diffraction algorithms?. <i>Optics Express</i> , 2017, 25, 30229.	1.7	11
69	Gain Spectrum Engineering in Slope-Assisted Dynamic Brillouin Optical Time-Domain Analysis. <i>Journal of Lightwave Technology</i> , 2020, 38, 6967-6975.	2.7	11
70	Brillouin-scattering-induced transparency enabled reconfigurable sensing of RF signals. <i>Photonics Research</i> , 2021, 9, 1486.	3.4	11
71	Reconfigurable and real-time high-bandwidth Nyquist signal detection with low-bandwidth in silicon photonics. <i>Optics Express</i> , 2022, 30, 13776.	1.7	11
72	A Review to the All-Optical Quasi-Light Storage. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2012, 18, 884-890.	1.9	10

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73	Combined Optical and Electrical Spectrum Shaping for High-Baud-Rate Nyquist-WDM Transceivers. IEEE Photonics Journal, 2016, 8, 1-11.	1.0	10
74	Roll-Off Factor Analysis of Optical Nyquist Pulses Generated by an On-Chip Mach-Zehnder Modulator. IEEE Photonics Technology Letters, 2021, 33, 1189-1192.	1.3	10
75	Adapting Brillouin spectrum for slow light delays. Electronics Letters, 2007, 43, 682.	0.5	9
76	Nonlinear Brillouin based slow-light system for almost distortion-free pulse delay. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 544.	0.9	9
77	Ultrafast laser-induced index grating in transparent insulators. Nuclear Instruments & Methods in Physics Research B, 2000, 166-167, 809-814.	0.6	8
78	Long Microwave-Photonic Variable Delay of Linear Frequency Modulated Waveforms. IEEE Photonics Technology Letters, 2012, 24, 200-202.	1.3	8
79	Optical Signal Generation and Distribution for Large Aperture Radar in Autonomous Driving. , 2019, , .		8
80	Benefits of Spectral Property Engineering in Distributed Brillouin Fiber Sensing. Sensors, 2021, 21, 1881.	2.1	8
81	Widely tunable optical delay generator. Optics Letters, 2010, 35, 3592.	1.7	7
82	Detrimental Effects in Brillouin Distributed Sensors Caused By EDFA Transient. , 2017, , .		7
83	Ultrafast Pumpâ€“Probe Second Harmonic Generation â€” Always a Reliable Tool to Study Surface Dynamics?. Physica Status Solidi A, 1999, 175, 177-182.	1.7	6
84	Modular Wideband High Angular Resolution 79 GHz Radar System. , 2019, , .		6
85	Group velocity dispersion reduction in fibre-based slow-light systems via stimulated Brillouin scattering. Electronics Letters, 2008, 44, 1185.	0.5	5
86	Generation of Highly Stable Millimeter Waves With Low Phase Noise and Narrow Linewidth. IEEE Photonics Technology Letters, 2015, 27, 1613-1616.	1.3	5
87	Integrated High-Resolution Optical Spectrum Analyzer With Broad Operational Bandwidth. IEEE Photonics Technology Letters, 2020, 32, 1061-1064.	1.3	5
88	Characterization of the Noise Induced by Stimulated Brillouin Scattering in Distributed Sensing. Sensors, 2020, 20, 4311.	2.1	5
89	Optical convolution with a rectangular frequency comb for almost ideal sampling. , 2019, , .		5
90	Compact and Energy-Efficient Forward-Biased PN Silicon Mach-Zehnder Modulator. IEEE Photonics Journal, 2022, 14, 1-7.	1.0	5

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91	Optical sinc-shaped Nyquist pulses with very low roll-off generated from a rectangular frequency comb. , 2013, , .		4
92	Optical sinc-shaped Nyquist pulses with very low roll-off generated from a rectangular frequency comb. , 2013, , .		4
93	Temporal Disentanglement of Wireless Signal Carriers Based on Quasi-Light-Storage. Journal of Lightwave Technology, 2022, 40, 6762-6768.	2.7	4
94	Femtosecond all-optical wavelength and time demultiplexer for OTDM/WDM systems. Applied Physics B: Lasers and Optics, 2002, 74, s205-s208.	1.1	3
95	Electromagnetically-coupled microstrip-fed planar monopole. Microwave and Optical Technology Letters, 2006, 48, 108-110.	0.9	3
96	High Quality Millimeter Wave Generation via Stimulated Brillouin Scattering. , 2007, , .		3
97	Continuously variable long microwave-photonic delay of arbitrary frequency-chirped signals. Optics Letters, 2012, 37, 3939.	1.7	3
98	Maximum transmittable data rates for Millimeter-wave fixed wireless links. , 2012, , .		3
99	Precise Optical Frequency Shifting Using Stimulated Brillouin Scattering in Optical Fibers. IEEE Photonics Technology Letters, 2017, 29, 1467-1470.	1.3	3
100	Improvement of the measurement accuracy of distributed Brillouin sensing via radio frequency filtering. , 2019, , .		3
101	Measurement accuracy enhancement of distributed Brillouin sensors based on gain spectrum engineering. , 2019, , .		3
102	Frequency Domain Aperture for Ultra-High Resolution Brillouin Based Spectroscopy. , 2012, , .		3
103	High Modulation Efficiency Segmented Mach-Zehnder Modulator Monolithically Integrated with Linear Driver in 0.25 Åµm BiCMOS Technology. , 2021, , .		3
104	Modulation Format Aggregation of Nyquist channels by Spectral Superposition with Electro-Optic Modulators. , 2022, , .		3
105	Nonlinear optical characterization of the surface of silicon wafers: In-situ detection of external stress. Solid-State Electronics, 2000, 44, 809-813.	0.8	2
106	Very large, tunable, positive and negative group delay for high-bandwidth signals. , 2010, , .		2
107	Increasing the Resolution of Optical Spectrometers for the Measurement of Advanced Optical Communication Signals. , 2012, , .		2
108	Compact Electrically Tunable Delay Generator on Silicon. , 2012, , .		2

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109	Low-Distortion Long Variable Delay of Linear Frequency Modulated Waveforms. IEEE Photonics Journal, 2012, 4, 499-503.	1.0	2
110	Brillouin optical spectrum analyzer monitoring of subcarrier-multiplexed fiber-optic signals. Applied Optics, 2013, 52, 6179.	0.9	2
111	Ultra-narrow line-width, stable and widely tuneable laser source for coherent optical communication systems. , 2014, , .		2
112	Fiber-laser frequency combs for the generation of tunable single-frequency laser lines, mm- and THz-waves and sinc-shaped Nyquist pulses. Proceedings of SPIE, 2015, , .	0.8	2
113	Investigation on the working point of slope-assisted dynamic Brillouin distributed fiber sensing. , 2019, , .		2
114	Highly tunable method to generate sinc-shaped Nyquist pulses from a rectangular frequency comb. , 2013, , .		2
115	Simulation of Four-wave Mixing in Optical Fibers under Consideration of the Polarization States of the Waves. Journal of Optical Communications, 1998, 19, .	4.0	1
116	Nonlinear optical characterization of silicon wafers: in-situ detection of stacking faults and external stress. , 2000, 3933, 62.		1
117	Femtosecond index grating in barium fluoride: efficient self-diffraction and enhancement of surface SHG. Applied Surface Science, 2000, 154-155, 565-570.	3.1	1
118	Nonlinear optical effects for the generation of millimeter wave signals. , 2005, , .		1
119	Brillouin scattering in optical fibers for high resolution wavelength and line width measurements. , 2006, , .		1
120	Slow and Fast-Light in optical fibers ’ An overview. , 2007, , .		1
121	Enhancement of maximum time delay in one fiber segment slow light systems based on stimulated Brillouin scattering. , 2007, , .		1
122	High resolution spectroscopy on optical signals in fiber communication systems. , 2008, , .		1
123	Fast and simple high resolution optical spectrum analyzer. , 2008, , .		1
124	Comparative investigation of zero-broadening methods in Brillouin based slow-light systems. , 2009, , .		1
125	Dispersion Compensation by SBS Based Slow-Light in an Optical Fiber. , 2009, , .		1
126	Gain Enhancement in Slow-Light Systems Based on Stimulated Brillouin-Scattering with Several Short Fibers. , 2009, , .		1

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127	Almost distortion free storage of 1Gbps/8bit optical packets for up to 100 bit lengths. , 2010, , .		1
128	Managing the resolution bandwidth in Brillouin based spectroscopy. , 2011, , .		1
129	Very Simple Tunable Optical Data Storage of 8Bit 1Gbps Data Packets Up to 500ns. , 2011, , .		1
130	Frequency-selective filtering and analysis of radio-over-fiber using stimulated Brillouin scattering. , 2013, , .		1
131	Tunable generation of ultra-narrow linewidth millimeter and THz-waves and their modulation at 40 Gbd. , 2013, , .		1
132	Proposal for the Tunable All Optical Storage of QAM Data Packets. , 2013, , .		1
133	Quasi-light Storage for Optical Data Packets. Journal of Visualized Experiments, 2014, , e50468.	0.2	1
134	All-optical sampling without optical source. Proceedings of SPIE, 2017, , .	0.8	1
135	Precise, High-Bandwidth Digital-to-Analog Conversion by Optical Sinc-Pulse Sequences. , 2019, , .		1
136	High-speed Silicon Mach-Zehnder Modulator with Corrugated Waveguides for Data Center Interconnects. , 2021, , .		1
137	Simultaneous enhancement of dynamic range and sensitivity in slope-assisted Brillouin optical time-domain analyzers via gain spectrum engineering. , 2020, , .		1
138	Investigation on the excess noise in Brillouin optical time domain analysis due to stimulated Brillouin scattering. , 2020, , .		1
139	Measuring the Spectra of Advanced Optical Signals with an Extension of an Electrical Network Analyzer. , 2013, , .		1
140	Optimisation of optical signal delay in slow-light systems based on stimulated brillouin scattering. , 2008, , .		1
141	Optimization of the Brillouin spectrum for fiber based slow light systems. , 2008, , .		1
142	1.4 Bit Delay and Pulse Compression Based on Brillouin Optical Signal Processing. , 2009, , .		1
143	Frequency-Time Coherence for All-Optical Sampling. , 2016, , .		1
144	Dispersion measurement via a microwave photonic notch filter based on stimulated Brillouin scattering. , 2019, , .		1

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145	Nyquist Data Transmission with Threefold Bandwidth of the Utilized Modulator. , 2020, , .		1
146	Athermal Travelling Wave Mach-Zehnder Modulators for Optical Interconnects. , 2021, , .		1
147	Slow Light Enabled Temporal Frequency Discriminator. , 2021, , .		1
148	Optical PRBS Generation with Threefold Bandwidth of the Employed Electronics and Photonics. , 2021, , .		1
149	Stimulated Brillouin Scattering-Induced All-Optical Spectrum Sensing. , 2021, , .		1
150	Emulation of integrated high-bandwidth photonic AWG using low-speed electronics. , 2022, , .		1
151	High-Bandwidth, Analogue-to-Digital Conversion for THz Communication Systems. Springer Series in Optical Sciences, 2022, , 331-340.	0.5	1
152	Femtosecond nonlinear optical characterisation of silicon wafers: the role of symmetry. Materials Science in Semiconductor Processing, 2001, 4, 241-243.	1.9	0
153	Optical spectrum analyzer with femtometer resolution. , 2006, , .		0
154	Investigation of fast light in long optical fibers based on stimulated Brillouin scattering. , 2007, , .		0
155	Investigation of fast light in long optical fibers based on stimulated Brillouin scattering. , 2007, , .		0
156	Gain-independent SBS based Slow Light in optical Fibers. , 2007, , .		0
157	Numerical investigation of Brillouin based double sideband amplification for millimeter-wave generation. , 2008, , .		0
158	1 Gbit/s radio over fiber downlink at a 32 GHz carrier. , 2008, , .		0
159	32 GHz carrier generation and 200 Mbit/s error free data transmission in a radio over fibre system. , 2008, , .		0
160	Gain enhancement in multiple-pump-line Brillouin-based slow light systems by using fiber segments and filter stages. Applied Optics, 2009, 48, 5583.	2.1	0
161	Methods for the enhancement of the storage time in Quasi-Light-Storage. , 2011, , .		0
162	Integration of a Tunable, Optical Delay Generator in a Silicon Photonics Platform. , 2011, , .		0

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163	Tunable storage of optical data packets modulated in spectrally efficient formats. Proceedings of SPIE, 2013, , .	0.8	0
164	Broadening-free stimulated Brillouin scattering-based slow and fast light in optical fibers. Optical Engineering, 2014, 53, 102710.	0.5	0
165	Towards highest spectral efficiency: Optical sinc-shaped Nyquist pulses generation from rectangular frequency comb. , 2014, , .		0
166	Broadening-free SBS-based slow and fast light in optical fibers. Proceedings of SPIE, 2014, , .	0.8	0
167	Advanced applications of stimulated Brillouin scattering in optical communications. , 2015, , .		0
168	Optical spectrum analysis with kHz resolution based on polarization pulling and local oscillator assisted Brillouin scattering. , 2015, , .		0
169	Generation of highly stable millimeter waves with low phase noise and narrow linewidth. , 2015, , .		0
170	Ultra-high resolution spectroscopy of optical frequency combs. Proceedings of SPIE, 2016, , .	0.8	0
171	Analytical model for the analysis of the electromagnetic field in grating couplers. , 2017, , .		0
172	Investigation of the Dispersion Effect on Stimulated Brillouin Scattering based Microwave Photonic Notch Filters. , 2018, , .		0
173	Photonic Components for Signal Generation and Distribution for Large Aperture Radar in Autonomous Driving. Frequenz, 2019, 73, 399-408.	0.6	0
174	Sinc-shaped, Nyquist Channel Demultiplexing with Silicon Photonics. , 2019, , .		0
175	Integrated all optical sampling of microwave signals in silicon photonics. , 2019, , .		0
176	Optimizing Brillouin Optical Time-Domain Analyzers Based on Gain Spectrum Engineering. Journal of Visualized Experiments, 2020, , .	0.2	0
177	Effect of Thermal Crosstalk on Travelling-wave Mach-Zehnder Modulator. , 2021, , .		0
178	Characterization of non-idealities in optical Nyquist pulses for THz signal sampling metrology. , 2021, , .		0
179	Flexible Brillouin Bandwidth Broadening for an Amplification, Filtering or Millimeter Wave Generation Systems. , 2006, , .		0
180	Delay Limits of SBS based Slow Light. , 2008, , .		0

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181	Zero-Broadening, Zero-Distortion SBS-based Slow Light “ an Overview. , 2009, , .		0
182	Saturation and Delay in Broadband Brillouin Slow-Light. , 2011, , .		0
183	Tunable Light-Storage for almost 1 Microsecond. , 2011, , .		0
184	Light Storage Enhancement by Reducing the Brillouin Bandwidth. , 2011, , .		0
185	Ultrafast Transient Index Grating in Barium Fluoride. , 1999, , .		0
186	Generation and Stabilization of THz-waves with Extraordinary Low Line Width and Phase Noise. , 2015, , .		0
187	Dispersion engineering with stimulated Brillouin scattering and applications. , 2018, , .		0
188	Dispersionless time-lens with an integrated silicon nitride ring resonator. , 2019, , .		0
189	Photonically synchronized radar for advanced driver assistance systems. , 2019, , .		0
190	Stimulated Brillouin Scattering based Optical Signal Processing. , 2020, , .		0
191	Dynamic Range Extension in Slope-Assisted Brillouin Optical Time-Domain Analyzers with Gain Spectrum Engineering. , 2021, , .		0
192	Study of Stimulated Brillouin Scattering-Initiated Noise in Distributed Brillouin Sensing. , 2021, , .		0
193	Low Bandwidth Detection of High Data Rate Nyquist Signals. , 2021, , .		0
194	Modulator-based sinc-sequence sampled time and frequency multiplexed QAM signal transmission. , 2021, , .		0
195	Analysis of the effect of jitter and non-idealities on photonic digital-to-analog converters based on Nyquist pulses. , 2022, , .		0