

Zhensen Gao

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Advanced DSP Enabled C-Band 112 Gbit/s PAM-4 Transmissions With Severe Bandwidth-Constraint. Journal of Lightwave Technology, 2022, 40, 987-996.	4.6	22
2	32 Gb/s physical-layer secure optical communication over 200 km based on temporal dispersion and self-feedback phase encryption. Optics Letters, 2022, 47, 913.	3.3	24
3	Physical secure key distribution based on chaotic self-carrier phase modulation and time-delayed shift keying of synchronized optical chaos. Optics Express, 2022, 30, 23953.	3.4	12
4	Wideband Millimeter-Wave Flat Chaos Generation With Controllable Power Spectrum Using Optical Time Lens. IEEE Photonics Journal, 2021, 13, 1-9.	2.0	3
5	40 Gb/s quantum random number generation based on optically sampled amplified spontaneous emission. APL Photonics, 2021, 6, .	5.7	14
6	0.75 Gbit/s high-speed classical key distribution with mode-shift keying chaos synchronization of Fabry-Perot lasers. Light: Science and Applications, 2021, 10, 172.	16.6	42
7	25 Gb/s Physical Secure Communication Based on Temporal Spreading-Then-Random Phase Encryption. IEEE Photonics Technology Letters, 2021, 33, 1363-1366.	2.5	3
8	Secure Optical Communication based on Orthogonal DQPSK/CSK Modulation and Symbol Overlapped Random Optical Phase Encryption. , 2021, , .		1
9	40Gb/s Secure Optical Communication Based on Symbol-by-Symbol Optical Phase Encryption. IEEE Photonics Technology Letters, 2020, 32, 851-854.	2.5	8
10	Bipolar resistive switching of Pt/Ga ₂ O ₃ /SiC/Pt thin film with ultrahigh OFF/ON resistance ratios. Nanotechnology, 2020, 31, 225206.	2.6	6
11	Scheme of coherent optical chaos communication. Optics Letters, 2020, 45, 4762.	3.3	57
12	Bias Current of Semiconductor Laser: An Unsafe Key for Secure Chaos Communication. Photonics, 2019, 6, 59.	2.0	9
13	High speed secure optical communication based on optical code processing (Invited paper). , 2019, , .		0
14	40 Gb/s Secure Optical Communication System Based on Optical Code Technology. , 2018, , .		4
15	Data Compression for Time-Stretch Imaging Based on Differential Detection and Run-Length Encoding. Journal of Lightwave Technology, 2017, 35, 5098-5104.	4.6	8
16	Demonstration of 40 Gb/s secure optical communication system based on 40 Gchip/s SPE and symbol overlapping. , 2017, , .		0
17	Demonstration of quantum dot SOA-based colorless ONU transmitter for symmetric 40 Gb/s TWDM PON. Proceedings of SPIE, 2016, , .	0.8	0
18	An upstream burst-mode equalization scheme for 40 Gb/s TWDM PON based on optimized SOA cascade. Proceedings of SPIE, 2016, , .	0.8	0

#	ARTICLE	IF	CITATIONS
19	A wavelength tunable ONU transmitter based on multi-mode Fabry-Perot laser and micro-ring resonator for bandwidth symmetric TWDM-PON. Proceedings of SPIE, 2016, , .	0.8	0
20	A DSP-assisted symbol-cascade mobile fronthaul solution with large capacity and neat RRHs. , 2015, , .		10
21	A colorless remote node for metro-access converged optical network. , 2015, , .		0
22	Orthogonal DPSK/CSK Modulation and Public-Key Cryptography-Based Secure Optical Communication. IEEE Photonics Technology Letters, 2013, 25, 1897-1900.	2.5	4
23	Generation of Versatile Waveforms From CW Light Using a Dual-Drive Mach-Zehnder Modulator and Employing Chromatic Dispersion. Journal of Lightwave Technology, 2013, 31, 145-151.	4.6	54
24	10â€œGbit/s, reconfigurable time domain SPEâ€œOCDMA system with code shifting and pulse overlapping. Microwave and Optical Technology Letters, 2012, 54, 808-810.	1.4	3
25	A Novel Optical Orthogonal Modulation Format Based on Differential Phase-Shift Keying and Code-Shift Keying. IEEE Photonics Technology Letters, 2011, 23, 1210-1212.	2.5	12
26	Novel Reconfigurable Two-Dimensional Coherent Optical En/Decoder Based on Coupled Micro-Ring Reflector. IEEE Photonics Technology Letters, 2011, 23, 591-593.	2.5	13
27	Rapid Reconfigurable OCDMA System Using Single-Phase Modulator for Time-Domain Spectral Phase Encoding/Decoding and DPSK Data Modulation. Journal of Lightwave Technology, 2011, 29, 348-354.	4.6	8
28	Bit-by-bit optical code scrambling technique for secure optical communication. Optics Express, 2011, 19, 3503.	3.4	19
29	Performance comparison of 0/1- and \hat{A}_{\pm} 1/2-phase-shifted superstructured Fiber Bragg grating en/decoder. Optics Express, 2011, 19, 12248.	3.4	12
30	Rapid programmable/code-length-variable, time-domain bit-by-bit code shifting for high-speed secure optical communication. Optics Letters, 2011, 36, 1623.	3.3	29
31	40â€œGb/s, secure optical communication based upon fast reconfigurable time domain spectral phase en/decoding with 40â€œGchip/s optical code and symbol overlapping. Optics Letters, 2011, 36, 4326.	3.3	11
32	Secure optical communication based on optical code reconfiguration scheme. , 2011, , .		0
33	Novel optical en/decoder based on micro-ring-reflector. Proceedings of SPIE, 2011, , .	0.8	1
34	Transparent Transmission of a Secure Time Domain Spectral Phase Encoding/Decoding DPSKâ€œOCDM Signal Over a DWDM Network. Journal of Optical Communications and Networking, 2011, 3, 404.	4.8	6
35	Demonstration of a twoâ€œuser time domain spectral phase encoding OCDMA system with variableâ€œbandwidth spectrum shaperâ€œbased decoder. Microwave and Optical Technology Letters, 2011, 53, 1879-1882.	1.4	1
36	Fast optical code reconfigurable technique for secure optical communication. , 2011, , .		0

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37	Ultrafast optical pulse repetition rate multiplication based on time domain spectral amplitude/phase filtering. Proceedings of SPIE, 2010, , .	0.8	0
38	2D time domain spectral phase encoding/wavelength hopping coherent DPSK-OCDMA system using fiber Bragg gratings and phase modulator. Proceedings of SPIE, 2010, , .	0.8	0
39	Experimental demonstration of $\pi/2$ -phase-shifted SSFBG encoder for security improvement in time-spreading OCDMA. , 2010, , .		0
40	Experimental investigation on security of temporal phase coding OCDMA system with code-shift keying and differential phase-shift keying. Proceedings of SPIE, 2010, , .	0.8	2
41	Demonstration of differential detection on attacking code-shift-keying OCDMA system. Electronics Letters, 2010, 46, 1680.	1.0	21
42	Experimental demonstration of $\pi/2$ -phase-shifted SSFBG encoder for security improvement in time-spreading OCDMA. , 2010, , .		0
43	2D time domain spectral phase encoding/wavelength hopping coherent DPSK-OCDMA system using Fiber Bragg Gratings and phase modulator. , 2010, , .		0
44	Ultrafast optical pulse repetition rate multiplication based on time domain spectral amplitude/phase filtering. , 2010, , .		0
45	Stealth Transmission of Time-Domain Spectral Phase Encoded OCDMA Signal Over WDM Network. IEEE Photonics Technology Letters, 2010, 22, 993-995.	2.5	30
46	Coupled micro-ring resonator based optical en/decoder for 2-D coherent OCDMA application. , 2010, , .		1
47	Time domain spectral phase encoding/DPSK data modulation using single phase modulator for OCDMA application. Optics Express, 2010, 18, 9879.	3.4	20
48	DPSK optical code hopping scheme using single phase modulator for secure optical communication. , 2010, , .		0
49	Experimental investigation on security of temporal phase coding OCDMA system with code-shift keying and differential phase-shift keying. , 2010, , .		3
50	2.5Gbps Two-user OCDMA system Based on Time Domain Spectral Phase Encoding and Variable-Bandwidth Spectrum Shaper Decoding. , 2010, , .		1
51	Demonstration of 2.5Gbps SPE-OCDMA transmission using time domain spectral phase en/decoding with LCFBG. , 2009, , .		0
52	Demonstration of time-domain spectral phase encoding/DPSK data modulation using single phase modulator. , 2009, , .		5
53	Analysis of optical reflector based on circular coupled microring resonators. , 2009, , .		0