Zhensen Gao

List of Publications by Year
in descending order

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53	479	759233 12	713466 21
papers	citations	h-index	g-index

53	53	53	256
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Scheme of coherent optical chaos communication. Optics Letters, 2020, 45, 4762.	3.3	57
2	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
3	0.75â€‰Gbit/s high-speed classical key distribution with mode-shift keying chaos synchronization of Fabryâ€“Perot lasers. Light: Science and Applications, 2021, 10, 172.	16.6	42
4	Stealth Transmission of Time-Domain Spectral Phase Encoded OCDMA Signal Over WDM Network. IEEE Photonics Technology Letters, 2010, 22, 993-995.	2.5	30
5	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
6	32 Gb/s physical-layer secure optical communication over 200â€…km based on temporal dispersion and self-feedback phase encryption. Optics Letters, 2022, 47, 913.	3.3	24
7	Advanced DSP Enabled C-Band 112 Gbit/s/Î» PAM-4 Transmissions With Severe Bandwidth-Constraint. Journal of Lightwave Technology, 2022, 40, 987-996.	4.6	22
8	Demonstration of differential detection on attacking code-shift-keying OCDMA system. Electronics Letters, 2010, 46, 1680.	1.0	21
9	Time domain spectral phase encoding/DPSK data modulation using single phase modulator for OCDMA application. Optics Express, 2010, 18, 9879.	3.4	20
10	Bit-by-bit optical code scrambling technique for secure optical communication. Optics Express, 2011, 19, 3503.	3.4	19
11	40 Gb/s quantum random number generation based on optically sampled amplified spontaneous emission. APL Photonics, 2021, 6, .	5.7	14
12	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
13	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
14	Performance comparison of 0/Ï€- and Â± Ï€/2-phase-shifted superstructured Fiber Bragg grating en/decoder. Optics Express, 2011, 19, 12248.	3.4	12
15	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
16	40â€‰Gb/s, secure optical communication based upon fast reconfigurable time domain spectral phase en/decoding with 40â€‰Gchip/s optical code and symbol overlapping. Optics Letters, 2011, 36, 4326.	3.3	11
17	A DSP-assisted symbol-cascade mobile fronthaul solution with large capacity and neat RRHs. , 2015, , .		10
18	Bias Current of Semiconductor Laser: An Unsafe Key for Secure Chaos Communication. Photonics, 2019, 6, 59.	2.0	9

#	Article	IF	Citations
19	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
20	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
21	40Gb/s Secure Optical Communication Based on Symbol-by-Symbol Optical Phase Encryption. IEEE Photonics Technology Letters, 2020, 32, 851-854.	2.5	8
22	Transparent Transmission of a Secure Time Domain Spectral Phase Encoding/Decoding DPSKâ€“OCDM Signal Over a DWDM Network. Journal of Optical Communications and Networking, 2011, 3, 404.	4.8	6
23	Bipolar resistive switching of Pt/Ga2O3â^'x/SiC/Pt thin film with ultrahigh OFF/ON resistance ratios. Nanotechnology, 2020, 31, 225206.	2.6	6
24	Demonstration of time-domain spectral phase encoding/DPSK data modulation using single phase modulator. , 2009, , .		5
25	Orthogonal DPSK/CSK Modulation and Public-Key Cryptography-Based Secure Optical Communication. IEEE Photonics Technology Letters, 2013, 25, 1897-1900.	2.5	4
26	40 Gb/s Secure Optical Communication System Based on Optical Code Technology. , 2018, , .		4
27	Experimental investigation on security of temporal phase coding OCDMA system with code-shift keying and differential phase-shift keying. , 2010, , .		3
28	10â€Gbit/s, reconfigurable time domain SPEâ€OCDMA system with code shifting and pulse overlapping. Microwave and Optical Technology Letters, 2012, 54, 808-810.	1.4	3
29	Wideband Millimeter-Wave Flat Chaos Generation With Controllable Power Spectrum Using Optical Time Lens. IEEE Photonics Journal, 2021, 13, 1-9.	2.0	3
30	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
31	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
32	Coupled micro-ring resonator based optical en/decoder for 2-D coherent OCDMA application. , 2010, , .		1
33	Novel optical en/decoder based on micro-ring-reflector. Proceedings of SPIE, 2011, , .	0.8	1
34	Demonstration of a twoâ€user time domain spectral phase encoding OCDMA system with variableâ€bandwidth spectrum shaperâ€based decoder. Microwave and Optical Technology Letters, 2011, 53, 1879-1882.	1.4	1
35	2.5Gbps Two-user OCDMA system Based on Time Domain Spectral Phase Encoding and Variable-Bandwidth Spectrum Shaper Decoding. , 2010, , .		1
36	Secure Optical Communication based on Orthogonal DQPSK/CSK Modulation and Symbol Overlapped Random Optical Phase Encryption. , 2021, , .		1

#	Article	IF	Citations
37	Demonstration of 2.5Gbps SPE-OCDMA transmission using time domain spectral phase en/decoding with LCFBG. , 2009, , .		0
38	Analysis of optical reflector based on circular coupled microring resonators. , 2009, , .		0
39	Ultrafast optical pulse repetition rate multiplication based on time domain spectral amplitude/phase filtering. Proceedings of SPIE, 2010, , .	0.8	0
40	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
41	Experimental demonstration of Â±Ï€/2-phase-shifted SSFBG encoder for security improvement in time-spreading OCDMA. , 2010, , .		0
42	Experimental demonstration of ±π/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	DPSK optical code hopping scheme using single phase modulator for secure optical communication. , 2010, , .		0
46	Secure optical communication based on optical code reconfiguration scheme. , 2011, , .		0
47	Fast optical code reconfigurable technique for secure optical communication. , 2011, , .		0
48	A colorless remote node for metro-access converged optical network. , 2015, , .		0
49	Demonstration of quantum dot SOA-based colorless ONU transmitter for symmetric 40 Gb/s TWDM PON. Proceedings of SPIE, 2016, , .	0.8	0
50	An upstream burst-mode equalization scheme for 40 Gb/s TWDM PON based on optimized SOA cascade. Proceedings of SPIE, 2016, , .	0.8	0
51	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
52	High speed secure optical communication based on optical code processing (Invited paper). , 2019, , .		0
53	Demonstration of 40 Gb/s secure optical communication system based on 40 Gchip/s SPE and symbol overlapping. , 2017, , .		0