Yu-Han Hung

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10471317/publications.pdf

Version: 2024-02-01

28	423	1040056 9	1125743 13
papers	citations	h-index	g-index

28	28	28	314
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultralow-crosstalk, strictly non-blocking microring-based optical switch. Photonics Research, 2019, 7, 155.	7.0	69
2	Photonic microwave stabilization for period-one nonlinear dynamics of semiconductor lasers using optical modulation sideband injection locking. Optics Express, 2015, 23, 6520.	3.4	59
3	Photonic microwave amplification for radio-over-fiber links using period-one nonlinear dynamics of semiconductor lasers. Optics Letters, 2013, 38, 3355.	3.3	52
4	Optical double-sideband modulation to single-sideband modulation conversion using period-one nonlinear dynamics of semiconductor lasers for radio-over-fiber links. Optics Letters, 2013, 38, 1482.	3.3	50
5	Scalable Microring-Based Silicon Clos Switch Fabric With Switch-and-Select Stages. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-11.	2.9	49
6	Frequency-modulated continuous-wave microwave generation using stabilized period-one nonlinear dynamics of semiconductor lasers. Optics Letters, 2019, 44, 3334.	3.3	34
7	PINE: Photonic Integrated Networked Energy efficient datacenters (ENLITENED Program) [Invited]. Journal of Optical Communications and Networking, 2020, 12, 443.	4.8	26
8	Multi-Stage 8 Ã— 8 Silicon Photonic Switch Based on Dual-Microring Switching Elements. Journal of Lightwave Technology, 2020, 38, 194-201.	4.6	25
9	Photonic microwave carrier recovery using period-one nonlinear dynamics of semiconductor lasers for OFDM-RoF coherent detection. Optics Letters, 2017, 42, 2402.	3.3	19
10	Silicon photonic switch-based optical equalization for mitigating pulsewidth distortion. Optics Express, 2019, 27, 19426.	3.4	10
11	Radio-over-fiber DSB-to-SSB conversion using semiconductor lasers at stable locking dynamics. Optics Express, 2016, 24, 9854.	3.4	8
12	Doppler-free coherent detection using period-one nonlinear dynamics of semiconductor lasers for OFDM-RoF links. Optics Letters, 2019, 44, 602.	3.3	8
13	A novel photonic microwave down-converter based on period-one dynamics of semiconductor lasers. , 2017, , .		5
14	Experimental Demonstration of PAM-4 Transmission through Microring Silicon Photonic Clos Switch Fabric. , 2020, , .		4
15	Conversion from non-orthogonally to orthogonally polarized optical single-sideband modulation using optically injected semiconductor lasers. Optics Letters, 2018, 43, 2628.	3.3	3
16	Radio-over-fiber DSB-to-SSB conversion using period-one dynamics of semiconductor lasers. , 2013, , .		2
17	Semiconductor lasers at period-one nonlinear dynamics for DSB-to-SSB conversion. , 2013, , .		0
18	Photonic millimeter-wave frequency multiplication with tunable multiplication factor utilizing period-one dynamics of semiconductor lasers. , 2014, , .		0

#	Article	IF	Citations
19	High-level dynamics in semiconductor lasers: Regimes and applications. , 2015, , .		0
20	Conversion from non-orthogonal to orthogonal optical single-sideband modulation using optically injected semiconductor lasers. , 2015, , .		0
21	Highly efficient local-oscillator-free photonic microwave down-converters based on period-one nonlinear dynamics of semiconductor lasers. Proceedings of SPIE, 2016, , .	0.8	0
22	Period-one Nonlinear Semiconductor Laser Dynamics Enhanced Homodyne Detection in Photonic Millimeter-Wave Carrier Recovery for OFDM-RoF Uplinks. , 2017, , .		0
23	Highly-Efficient Optical Equalization Using a Silicon Photonic Switch for Pulsewidth Distortion Mitigation. , 2019, , .		0
24	Regeneration of microwave carriers using optically injected semiconductor lasers for Doppler-insensitive homodyne detection in OFDM-RoF links. , 2019, , .		0
25	A Flexible HyperX Topology using Silicon Photonic Switching for Bandwidth Steering. , 2020, , .		0
26	Optical Signal Processing Using Nonlinear Period-One Dynamics of Semiconductor Lasers. IEICE Proceeding Series, 2014, 1, 462-465.	0.0	0
27	Experimental Demonstration of a Period-one (P1) Nonlinear Dynamic Modulated Optical OFDM Signal Employing to a Millimeter Wave (MMW) Mobile Fronthaul Uplink. , 2017, , .		0
28	First Demonstration of Doppler Compensation Technique Using Period-one Nonlinear Semiconductor Laser Dynamics for OFDM-RoF Coherent Detection. , 2018, , .		0