

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
papers

423
citations

1040056

9
h-index

1125743

13
g-index

28
all docs

28
docs citations

28
times ranked

314
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-Stage 8 Å— 8 Silicon Photonic Switch Based on Dual-Microring Switching Elements. Journal of Lightwave Technology, 2020, 38, 194-201.	4.6	25
2	A Flexible HyperX Topology using Silicon Photonic Switching for Bandwidth Steering. , 2020, , .		0
3	PINE: Photonic Integrated Networked Energy efficient datacenters (ENLITENED Program) [Invited]. Journal of Optical Communications and Networking, 2020, 12, 443.	4.8	26
4	Experimental Demonstration of PAM-4 Transmission through Microring Silicon Photonic Clos Switch Fabric. , 2020, , .		4
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	Highly-Efficient Optical Equalization Using a Silicon Photonic Switch for Pulsewidth Distortion Mitigation. , 2019, , .		0
7	Regeneration of microwave carriers using optically injected semiconductor lasers for Doppler-insensitive homodyne detection in OFDM-RoF links. , 2019, , .		0
8	Doppler-free coherent detection using period-one nonlinear dynamics of semiconductor lasers for OFDM-RoF links. Optics Letters, 2019, 44, 602.	3.3	8
9	Frequency-modulated continuous-wave microwave generation using stabilized period-one nonlinear dynamics of semiconductor lasers. Optics Letters, 2019, 44, 3334.	3.3	34
10	Ultralow-crosstalk, strictly non-blocking microring-based optical switch. Photonics Research, 2019, 7, 155.	7.0	69
11	Silicon photonic switch-based optical equalization for mitigating pulsewidth distortion. Optics Express, 2019, 27, 19426.	3.4	10
12	Conversion from non-orthogonally to orthogonally polarized optical single-sideband modulation using optically injected semiconductor lasers. Optics Letters, 2018, 43, 2628.	3.3	3
13	First Demonstration of Doppler Compensation Technique Using Period-one Nonlinear Semiconductor Laser Dynamics for OFDM-RoF Coherent Detection. , 2018, , .		0
14	A novel photonic microwave down-converter based on period-one dynamics of semiconductor lasers. , 2017, , .		5
15	Period-one Nonlinear Semiconductor Laser Dynamics Enhanced Homodyne Detection in Photonic Millimeter-Wave Carrier Recovery for OFDM-RoF Uplinks. , 2017, , .		0
16	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
17	Experimental Demonstration of a Period-one (P1) Nonlinear Dynamic Modulated Optical OFDM Signal Employing to a Millimeter Wave (MMW) Mobile Fronthaul Uplink. , 2017, , .		0
18	Radio-over-fiber DSB-to-SSB conversion using semiconductor lasers at stable locking dynamics. Optics Express, 2016, 24, 9854.	3.4	8

#	ARTICLE	IF	CITATIONS
19	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
20	High-level dynamics in semiconductor lasers: Regimes and applications. , 2015, , .		0
21	Conversion from non-orthogonal to orthogonal optical single-sideband modulation using optically injected semiconductor lasers. , 2015, , .		0
22	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
23	Photonic millimeter-wave frequency multiplication with tunable multiplication factor utilizing period-one dynamics of semiconductor lasers. , 2014, , .		0
24	Optical Signal Processing Using Nonlinear Period-One Dynamics of Semiconductor Lasers. IEICE Proceeding Series, 2014, 1, 462-465.	0.0	0
25	Radio-over-fiber DSB-to-SSB conversion using period-one dynamics of semiconductor lasers. , 2013, , .		2
26	Semiconductor lasers at period-one nonlinear dynamics for DSB-to-SSB conversion. , 2013, , .		0
27	Photonic microwave amplification for radio-over-fiber links using period-one nonlinear dynamics of semiconductor lasers. Optics Letters, 2013, 38, 3355.	3.3	52
28	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