Tengfei Hao

List of Publications by Year
in descending order

29 papers	840 citations	567281 15 h-index	552781 26 g-index
29 all docs	29 docs citations	29 times ranked	484 citing authors

#	Article	IF	Citations
1	Photonic Generation of Multi-Format Radar Waveforms Based on an Integrated Silicon IQ Modulator. IEEE Journal of Selected Topics in Quantum Electronics, 2022, 28, 1-7.	2.9	3
2	Dissipative microwave photonic solitons in spontaneous frequency-hopping optoelectronic oscillators. Photonics Research, 2022, 10, 1280.	7.0	4
3	Microwave photonic injection locking frequency divider based on a tunable optoelectronic oscillator. Optics Express, 2021, 29, 684.	3.4	10
4	Photonic Generation and Transmission of Dual-Band Dual-Chirp Microwave Waveforms at C-Band and X-Band With Elimination of Power Fading. IEEE Photonics Journal, 2021, 13, 1-9.	2.0	13
5	Broadband frequency-doubled linearly chirped microwave waveform generation based on Fourier domain mode-locked optoelectronic oscillator. , 2021, , .		0
6	Photonic Generation of Phase-Coded Microwave Signals Based on Fourier Domain Mode Locking. IEEE Photonics Technology Letters, 2021, 33, 433-436.	2.5	9
7	Tutorial on optoelectronic oscillators. APL Photonics, 2021, 6, .	5.7	32
8	Tb/s Fast Random Bit Generation Based on a Broadband Random Optoelectronic Oscillator. IEEE Photonics Technology Letters, 2021, 33, 1223-1226.	2.5	5
9	Bandwidth superposition of linearly chirped microwave waveforms based on a Fourier domain mode-locked optoelectronic oscillator. Optics Express, 2021, 29, 36977.	3.4	4
10	Recent advances in optoelectronic oscillators and quantum microwave photonics. , 2021, , .		1
11	Dual-Functional Transmitter for Simultaneous RF/LFM Signal Using a Monolithic Integrated DFB Array. IEEE Photonics Technology Letters, 2020, 32, 239-242.	2.5	2
12	Broadband random optoelectronic oscillator. Nature Communications, 2020, 11, 5724.	12.8	26
13	A Compact Multifrequency Measurement System Based on an Integrated Frequency-Scanning Generator. Applied Sciences (Switzerland), 2020, 10, 8571.	2.5	2
14	Optoelectronic parametric oscillator. Light: Science and Applications, 2020, 9, 102.	16.6	18
15	Recent advances in optoelectronic oscillators. Advanced Photonics, 2020, 2, 1.	11.8	83
16	Photonic generation of multiband and multi-format microwave signals based on a single modulator. Optics Letters, 2020, 45, 6190.	3.3	19
17	Detection of wideband low-power RF signals using a stimulated Brillouin scattering-based optoelectronic oscillator. Optics Communications, 2019, 439, 133-136.	2.1	17
18	Harmonically Fourier Domain Mode-Locked Optoelectronic Oscillator. IEEE Photonics Technology Letters, 2019, 31, 427-430.	2.5	27

#	Article	IF	Citations
19	Dual-chirp Fourier domain mode-locked optoelectronic oscillator. Optics Letters, 2019, 44, 1912.	3.3	46
20	Multiple-frequency measurement based on a Fourier domain mode-locked optoelectronic oscillator operating around oscillation threshold. Optics Letters, 2019, 44, 3062.	3.3	27
21	A reconfigurable microwave photonic filter with flexible tunability using a multi-wavelength laser and a multi-channel phase-shifted fiber Bragg grating. Optics Communications, 2018, 407, 27-32.	2.1	23
22	Tunable Fourier Domain Mode-Locked Optoelectronic Oscillator Using Stimulated Brillouin Scattering. IEEE Photonics Technology Letters, 2018, 30, 1842-1845.	2.5	34
23	Toward Monolithic Integration of OEOs: From Systems to Chips. Journal of Lightwave Technology, 2018, 36, 4565-4582.	4.6	64
24	Integrated optoelectronic oscillator. Optics Express, 2018, 26, 12257.	3.4	87
25	Observation of parity-time symmetry in microwave photonics. Light: Science and Applications, 2018, 7, 38.	16.6	82
26	Breaking the limitation of mode building time in an optoelectronic oscillator. Nature Communications, 2018, 9, 1839.	12.8	140
27	Microwave photonics frequency-to-time mapping based on a Fourier domain mode locked optoelectronic oscillator. Optics Express, 2018, 26, 33582.	3.4	44
28	Fourier domain mode locked optoelectronic oscillator based on the deamplification of stimulated Brillouin scattering. OSA Continuum, 2018, 1, 408.	1.8	15
29	An integrated optoelectronic oscillator. , 2017, , .		3