

Thomas F Carruthers

List of Publications by Year in descending order

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papers

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1478505

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1372567

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all docs

17
docs citations

17
times ranked

134
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal instabilities, frequency-comb formation, and temporal oscillations in Kerr microresonators. Physical Review A, 2021, 103, .	2.5	15
2	Comparison of the impact of nonlinearity in a p-i-n and an MUTC photodetector on electro-optic frequency combs. Optics Letters, 2021, 46, 813.	3.3	2
3	Impact of nonlinearity including bleaching in MUTC photodetectors on RF-modulated electro-optic frequency combs. Optics Express, 2021, 29, 11520.	3.4	2
4	Optimized two-layer motheye structures for MgAl ₂ O ₄ spinel ceramic windows. OSA Continuum, 2021, 4, 2143.	1.8	5
5	Impact of Nonlinearity Including Bleaching in p-i-n Photodetectors on RF-Modulated Electro-Optic Frequency Combs. IEEE Photonics Journal, 2021, 13, 1-7.	2.0	0
6	Automatically Mapping the Stable Regions of Frequency Combs in Microresonators. , 2021, , .		1
7	Photodetector Performance Prediction with Machine Learning. , 2021, , .		2
8	Obtaining more energetic modelocked pulses from a SESAM-based fiber laser. Optics Express, 2020, 28, 20345.	3.4	5
9	Deterministic access of broadband frequency combs in microresonators using cnoidal waves in the soliton crystal limit. Optics Express, 2020, 28, 36304.	3.4	11
10	A Deterministic Method for Obtaining Large-Bandwidth Frequency Combs in Microresonators with Thermal Effects. , 2020, , .		0
11	Impact of Nonlinearity on RF-Modulated Frequency Combs with Different Modulation Depths in an MUTC Photodetector. , 2019, , .		1
12	Impact of Nonlinearity in an MUTC Photodetector on an RF-Modulated Frequency Comb. , 2019, , .		3
13	Calculation of the impulse response and phase noise of a high-current photodetector using the drift-diffusion equations. Optics Express, 2019, 27, 3717.	3.4	28
14	Dissipative cnoidal waves (Turing rolls) and the soliton limit in microring resonators. Optica, 2019, 6, 1220.	9.3	42
15	Efficiently modeling the noise performance of short-pulse lasers with a computational implementation of dynamical methods. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 2521.	2.1	8
16	Wake mode sidebands and instability in mode-locked lasers with slow saturable absorbers. Optics Letters, 2017, 42, 2362.	3.3	29
17	Modeling nonlinearity in a modified uni-traveling-carrier (MUTC) photodetector. , 2015, , .		0