

Hossein Taheri

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

406
citations

933447

10
h-index

1125743

13
g-index

15
all docs

15
docs citations

15
times ranked

364
citing authors

#	ARTICLE	IF	CITATIONS
1	Emerging material systems for integrated optical Kerr frequency combs. <i>Advances in Optics and Photonics</i> , 2020, 12, 135.	25.5	75
2	Optical lattice trap for Kerr solitons. <i>European Physical Journal D</i> , 2017, 71, 1.	1.3	61
3	High-order dispersion in Kerr comb oscillators. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2017, 34, 715.	2.1	58
4	Soliton Formation in Whispering-Gallery-Mode Resonators via Input Phase Modulation. <i>IEEE Photonics Journal</i> , 2015, 7, 1-9.	2.0	56
5	Quartic dissipative solitons in optical Kerr cavities. <i>Optics Letters</i> , 2019, 44, 3086.	3.3	47
6	All-optical dissipative discrete time crystals. <i>Nature Communications</i> , 2022, 13, 848.	12.8	44
7	Nanoscale Optoregulation of Neural Stem Cell Differentiation by Intracellular Alteration of Redox Balance. <i>Advanced Functional Materials</i> , 2017, 27, 1701420.	14.9	14
8	Self-synchronization phenomena in the Lugiato-Lefever equation. <i>Physical Review A</i> , 2017, 96, .	2.5	13
9	Anatomy of Phase Locking in Hyperparametric Oscillations Based on Kerr Nonlinearity. <i>IEEE Photonics Journal</i> , 2017, 9, 1-11.	2.0	10
10	Phase-matched nonlinear second-harmonic generation in plasmonic metasurfaces. <i>Nanophotonics</i> , 2019, 8, 607-612.	6.0	10
11	Dissipative discrete time crystals in a pump-modulated Kerr microcavity. <i>Communications Physics</i> , 2022, 5, .	5.3	6
12	Synchronization behavior in a ternary phase model. <i>Chaos</i> , 2019, 29, 063115.	2.5	5
13	Improved coupled-mode theory for high-index-contrast photonic platforms. <i>Physical Review A</i> , 2020, 102, .	2.5	5
14	Dissipative Quartic Kerr Solitons for WDM Applications. , 2019, , .		2
15	Gating Artefact in the Coupled-Wave-Equations Modeling of Classical and Quantum Kerr Nonlinear Effects. , 2021, , .		0