

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