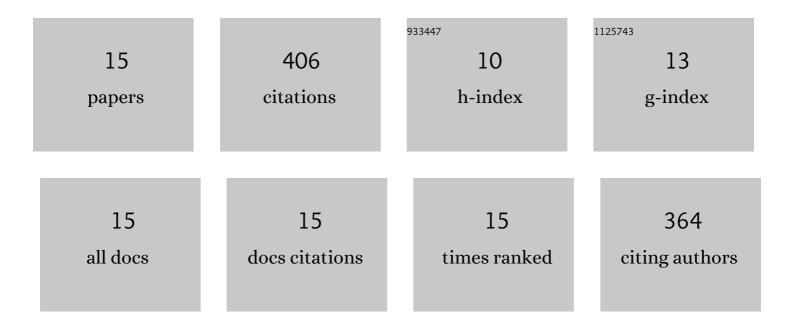
Hossein Taheri

List of Publications by Year in descending order

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