Michael R Hush

List of Publications by Year
in descending order

21	456	687363 13	794594 19
papers	citations	h-index	g-index

21	21	21	392
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantum Oscillator Noise Spectroscopy via Displaced Cat States. Physical Review Letters, 2021, 126, 250506.	7.8	13
2	Measurement-based generation of shaped single photons and coherent state superpositions in optical cavities. Physical Review A, 2017, 95, .	2.5	4
3	Feedback Tracking Control of Non-Markovian Quantum Systems. IEEE Transactions on Control Systems Technology, 2017, 25, 1552-1563.	5.2	22
4	Coherently tracking the covariance matrix of an open quantum system. Physical Review A, 2015, 92, .	2.5	13
5	Sagnac Interferometry with a Single Atomic Clock. Physical Review Letters, 2015, 115, 163001.	7.8	42
6	Covariance matrix tracking coherent observers for linear quantum stochastic systems. , 2015, , .		0
7	Generic map from non-Lindblad to Lindblad master equations. Physical Review A, 2015, 91, .	2.5	13
8	Spin correlations as a probe of quantum synchronization in trapped-ion phonon lasers. Physical Review A, 2015, 91, .	2.5	95
9	Single photon production by rephased amplified spontaneous emission. New Journal of Physics, 2014, 16, 033042.	2.9	8
10	Many-body out-of-equilibrium dynamics of hard-core lattice bosons with nonlocal loss. Physical Review B, 2014, 90, .	3.2	17
11	Ignorance Is Bliss: General and Robust Cancellation of Decoherence via No-Knowledge Quantum Feedback. Physical Review Letters, 2014, 113, 020407.	7.8	24
12	Controlling spontaneous-emission noise in measurement-based feedback cooling of a Boseâ€“Einstein condensate. New Journal of Physics, 2013, 15, 113060.	2.9	35
13	Analysis of the operation of gradient echo memories using a quantum inputâ€“output model. New Journal of Physics, 2013, 15, 085020.	2.9	25
14	Robustness of system-filter separation for the feedback control of a quantum harmonic oscillator undergoing continuous position measurement. Physical Review A, 2013, 87, .	2.5	17
15	Cavity driven by a single photon: Conditional dynamics and nonlinear phase shift. Physical Review A, 2012, 86, .	2.5	15
16	Number-phase Wigner representation for scalable stochastic simulations of controlled quantum systems. Physical Review A, 2012, 85, .	2.5	9
17	Number-phase Wigner representation for scalable stochastic simulations of controlled quantum systems. , 2011, , .		0
18	Feedback control of an interacting Bose-Einstein condensate using phase-contrast imaging. Physical Review A, 2010, 82, .	2.5	36

#	Article	IF	Citations
19	Number-phase Wigner representation for efficient stochastic simulations. Physical Review A, 2010, 81, .	2.5	13
20	Scalable quantum field simulations of conditioned systems. Physical Review A, 2009, 80, .	2.5	11
21	Continuous measurement feedback control of a Bose-Einstein condensate using phase-contrast imaging. Physical Review A, 2009, 80, .	2.5	44