Niklas Rohling

List of Publications by Year
in descending order

12 papers	201 citations	1307594 7 h-index	1281871 11 g-index
12 all docs	12 docs citations	12 times ranked	266 citing authors

#	Article	IF	Citations
1	Universal quantum computing with spin and valley states. New Journal of Physics, 2012, 14, 083008.	2.9	63
2	Hybrid Spin and Valley Quantum Computing with Singlet-Triplet Qubits. Physical Review Letters, 2014, 113, 176801.	7.8	33
3	Superconductivity induced by interfacial coupling to magnons. Physical Review B, 2018, 97, .	3.2	23
4	Superconductivity at metal-antiferromagnetic insulator interfaces. Physical Review B, 2019, 100, .	3.2	22
5	Electrically driven Bose-Einstein condensation of magnons in antiferromagnets. Physical Review B, 2017, 95, .	3.2	20
6	Tomography scheme for two spin-$\frac{1}{2}$ qubits in a double quantum dot. Physical Review B, 2013, 88, .	3.2	12
7	Theory of quantum entanglement and structure of the two-mode squeezed antiferromagnetic magnon vacuum. Physical Review B, 2022, 105, .	3.2	9
8	Optimization of electron pumping by harmonic mixing. Physical Review B, 2011, 83, .	3.2	5
9	Evaluating Machine Learning Approaches for Discovering Optimal Sets of Projection Operators for Quantum State Tomography of Qubit Systems. Cybernetics and Information Technologies, 2020, 20, 61-73.	1.1	5
10	Optimizing electrically controlled echo sequences for the exchange-only qubit. Physical Review B, 2016, 93, .	3.2	4
11	Optimal choice of state tomography quorum formed by projection operators. Physical Review A, 2019, 100, .	2.5	4
12	Quantum state tomography as a numerical optimization problem. New Journal of Physics, 0, , .	2.9	1