

# Brian Neyenhuis

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3119892/publications.pdf>

Version: 2024-02-01

12  
papers

1,677  
citations

759233

12  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

1864  
citing authors

#	ARTICLE	IF	CITATIONS
1	Demonstration of the trapped-ion quantum CCD computer architecture. <i>Nature</i> , 2021, 592, 209-213.	27.8	240
2	Realization of Real-Time Fault-Tolerant Quantum Error Correction. <i>Physical Review X</i> , 2021, 11, .	8.9	100
3	Ultrafast creation of large Schrödinger cat states of an atom. <i>Nature Communications</i> , 2017, 8, 697.	12.8	43
4	Observation of prethermalization in long-range interacting spin chains. <i>Science Advances</i> , 2017, 3, e1700672.	10.3	114
5	Non-thermalization in trapped atomic ion spin chains. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20170107.	3.4	29
6	Engineering large Stark shifts for control of individual clock state qubits. <i>Physical Review A</i> , 2016, 94, .	2.5	29
7	Active stabilization of ion trap radiofrequency potentials. <i>Review of Scientific Instruments</i> , 2016, 87, 053110.	1.3	52
8	High-resolution adaptive imaging of a single atom. <i>Nature Photonics</i> , 2016, 10, 606-610.	31.4	24
9	Many-body localization in a quantum simulator with programmable random disorder. <i>Nature Physics</i> , 2016, 12, 907-911.	16.7	657
10	Quantum control of qubits and atomic motion using ultrafast laser pulses. <i>Applied Physics B: Lasers and Optics</i> , 2014, 114, 45-61.	2.2	46
11	<a href="#">Anisotropic Polarizability of Ultracold Polar</a> $K$ Molecules. <i>Physical Review Letters</i> , 2012, 109, 230403.	7.8	85
12	Efficient state transfer in an ultracold dense gas of heteronuclear molecules. <i>Nature Physics</i> , 2008, 4, 622-626.	16.7	258