

# Arghavan Safavi-Naini

## List of Publications by Year in descending order

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15  
papers

745  
citations

933447

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h-index

1058476

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

1119  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Dynamics of an itinerant spin-3 atomic dipolar gas in an optical lattice. Physical Review A, 2019, 100, .  | 2.5  | 9         |
| 2  | Modeling near ground-state cooling of two-dimensional ion crystals in a Penning trap using electromagnetically induced transparency. Physical Review A, 2019, 99, .  | 2.5  | 13        |
| 3  | Near Ground-State Cooling of Two-Dimensional Trapped-Ion Crystals with More than 100 Ions. Physical Review Letters, 2019, 122, 053603.                               | 7.8  | 53        |
| 4  | Doublon dynamics of Bose-Fermi mixtures in optical lattices. Physical Review A, 2019, 100, .   | 2.5  | 5         |
| 5  | Dynamics of interacting fermions under spin-orbit coupling in an optical lattice clock. Nature Physics, 2018, 14, 399-404.   | 16.7 | 53        |
| 6  | Multiworm algorithm quantum Monte Carlo. Physica Scripta, 2018, 93, 105402.  | 2.5  | 5         |
| 7  | Measuring out-of-time-order correlations and multiple quantum spectra in a trapped-ion quantum magnet. Nature Physics, 2017, 13, 781-786.                            | 16.7 | 421       |
| 8  | Boson-mediated quantum spin simulators in transverse fields: $\langle X \rangle \langle Y \rangle$ model and spin-boson entanglement. Physical Review A, 2017, 95, . | 2.5  | 27        |
| 9  | Nonequilibrium dynamics of spin-boson models from phase-space methods. Physical Review A, 2017, 96, .  | 2.5  | 30        |
| 10 | Electric-field noise and carbon diffusion on Au(110). Journal of Physics: Conference Series, 2017, 875, 112013.  | 0.4  | 0         |
| 11 | Quasi-molecular bosonic complexes-a pathway to SQUID with controlled sensitivity. New Journal of Physics, 2016, 18, 025017.  | 2.9  | 3         |
| 12 | Simulating generic spin-boson models with matrix product states. Physical Review A, 2016, 94, .  | 2.5  | 36        |
| 13 | Doublon dynamics and polar molecule production in an optical lattice. Nature Communications, 2016, 7, 11279.   | 12.8 | 42        |
| 14 | Equilibrium phases of tilted dipolar lattice bosons. New Journal of Physics, 2015, 17, 123014.   | 2.9  | 17        |
| 15 | First-Order Phase Transitions in Optical Lattices with Tunable Three-Body Onsite Interaction. Physical Review Letters, 2012, 109, 135302.                            | 7.8  | 31        |