Nathan Goldman

List of Publications by Year
in descending order

14	985	759233 12	1058476 14
papers	citations	h-index	g-index

14	14	14	914
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Strain and pseudo-magnetic fields in optical lattices from density-assisted tunneling. Communications Physics, 2022, 5, .	5.3	11
2	A synthetic monopole source of Kalb-Ramond field in diamond. Science, 2022, 375, 1017-1020.	12.6	15
3	Quantum Fisher information measurement and verification of the quantum CramÃ©râ€“Rao bound in a solid-state qubit. Npj Quantum Information, 2022, 8, .	6.7	17
4	Experimental measurement of the quantum geometric tensor using coupled qubits in diamond. National Science Review, 2020, 7, 254-260.	9.5	59
5	Four-dimensional semimetals with tensor monopoles: From surface states to topological responses. Physical Review B, 2020, 102, .	3.2	11
6	Realization of an anomalous Floquet topological system with ultracold atoms. Nature Physics, 2020, 16, 1058-1063.	16.7	163
7	Tensor Berry connections and their topological invariants. Physical Review B, 2019, 99, .	3.2	23
8	Measuring quantized circular dichroism in ultracold topological matter. Nature Physics, 2019, 15, 449-454.	16.7	106
9	Floquet approach to â„2 lattice gauge theories with ultracold atoms in optical lattices. Nature Physics, 2019, 15, 1168-1173.	16.7	214
10	Coupling ultracold matter to dynamical gauge fields in optical lattices: From flux attachment to â„ ₂ lattice gauge theories. Science Advances, 2019, 5, eaav7444.	10.3	75
11	Tunable axial gauge fields in engineered Weyl semimetals: semiclassical analysis and optical lattice implementations. 2D Materials, 2018, 5, 024001.	4.4	32
12	Revealing Tensor Monopoles through Quantum-Metric Measurements. Physical Review Letters, 2018, 121, 170401.	7.8	46
13	Artificial gauge fields in materials and engineered systems. Comptes Rendus Physique, 2018, 19, 394-432.	0.9	143
14	Extracting the quantum metric tensor through periodic driving. Physical Review B, 2018, 97, .	3.2	70