Brian B Zhou

List of Publications by Year
in descending order

16	2,297	623734	839539
papers	citations	14 h-index	18 g-index

18	18	18	3503
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantum technologies with optically interfaced solid-state spins. Nature Photonics, 2018, 12, 516-527.	31.4	581
2	Landau quantization and quasiparticle interference in the three-dimensional DiracÂsemimetal Cd3As2. Nature Materials, 2014, 13, 851-856.	27.5	421
3	Visualizing Critical Correlations Near the Metal-Insulator Transition in Ga ₁₋ _x Mn _x As. Science, 2010, 327, 665-669.	12.6	212
4	Accelerated quantum control using superadiabatic dynamics in a solid-state lambda system. Nature Physics, 2017, 13, 330-334.	16.7	194
5	The Crystal and Electronic Structures of Cd₃As₂, the Three-Dimensional Electronic Analogue of Graphene. Inorganic Chemistry, 2014, 53, 4062-4067.	4.0	193
6	Visualizing nodal heavy fermion superconductivity in CeCoIn5. Nature Physics, 2013, 9, 474-479.	16.7	174
7	Layer Hall effect in a 2D topological axion antiferromagnet. Nature, 2021, 595, 521-525.	27.8	136
8	Holonomic Quantum Control by Coherent Optical Excitation in Diamond. Physical Review Letters, 2017, 119, 140503.	7.8	123
9	Optical manipulation of the Berry phase in a solid-state spin qubit. Nature Photonics, 2016, 10, 184-189.	31.4	88
10	Isochronal synchrony and bidirectional communication with delay-coupled nonlinear oscillators. Physical Review E, 2007, 75, 026205.	2.1	50
11	Design and performance of an ultra-high vacuum scanning tunneling microscope operating at dilution refrigerator temperatures and high magnetic fields. Review of Scientific Instruments, 2013, 84, 103903.	1.3	43
12	Imaging electronic states on topological semimetals using scanning tunneling microscopy. New Journal of Physics, 2016, 18, 105003.	2.9	23
13	Extreme diamond-based quantum sensors. Science, 2019, 366, 1312-1313.	12.6	23
14	Spatiotemporal Mapping of a Photocurrent Vortex in Monolayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>MoS</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></m Using Diamond Quantum Sensors. Physical Review X, 2020, 10, .	8.9	15
15	Visualizing Heavy Fermion Formation and their Unconventional Superconductivity in f-Electron Materials. Journal of the Physical Society of Japan, 2014, 83, 061008.	1.6	12
16	ac Susceptometry of 2D van der Waals Magnets Enabled by the Coherent Control of Quantum Sensors. PRX Quantum, 2021, 2, .	9.2	5