

# Alexander O Sushkov

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1866612/publications.pdf>

Version: 2024-02-01

22  
papers

1,405  
citations

471509

17  
h-index

677142

22  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1465  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectral signatures of axionlike dark matter. <i>Physical Review D</i> , 2022, 105, .	4.7	15
2	Search for axion-like dark matter with ferromagnets. <i>Nature Physics</i> , 2021, 17, 79-84.	16.7	96
3	Ferromagnetic gyroscopes for tests of fundamental physics. <i>Quantum Science and Technology</i> , 2021, 6, 024006.	5.8	12
4	Gravity Probe Spin: Prospects for measuring general-relativistic precession of intrinsic spin using a ferromagnetic gyroscope. <i>Physical Review D</i> , 2021, 103, .	4.7	18
5	Search for Axionlike Dark Matter Using Solid-State Nuclear Magnetic Resonance. <i>Physical Review Letters</i> , 2021, 126, 141802.	7.8	51
6	Quantum sensitivity limits of nuclear magnetic resonance experiments searching for new fundamental physics. <i>Quantum Science and Technology</i> , 2021, 6, 034007.	5.8	10
7	Surpassing the Energy Resolution Limit with Ferromagnetic Torque Sensors. <i>Physical Review Letters</i> , 2021, 127, 070801.	7.8	10
8	Stochastic fluctuations of bosonic dark matter. <i>Nature Communications</i> , 2021, 12, 7321.	12.8	59
9	Exploring 2D Synthetic Quantum Hall Physics with a Quasiperiodically Driven Qubit. <i>Physical Review Letters</i> , 2020, 125, 160505.	7.8	30
10	Floquet-engineered quantum state manipulation in a noisy qubit. <i>Physical Review A</i> , 2019, 100, .	2.5	20
11	Wu etÂal. Reply:. <i>Physical Review Letters</i> , 2019, 123, 169002.	7.8	2
12	Constraints on bosonic dark matter from ultralow-field nuclear magnetic resonance. <i>Science Advances</i> , 2019, 5, eaax4539.	10.3	75
13	Search for Axionlike Dark Matter with a Liquid-State Nuclear Spin Comagnetometer. <i>Physical Review Letters</i> , 2019, 122, 191302.	7.8	79
14	Dynamics of a Ferromagnetic Particle Levitated over a Superconductor. <i>Physical Review Applied</i> , 2019, 11, .	3.8	32
15	The cosmic axion spin precession experiment (CASPER): a dark-matter search with nuclear magnetic resonance. <i>Quantum Science and Technology</i> , 2018, 3, 014008.	5.8	48
16	Application of spin-exchange relaxation-free magnetometry to the Cosmic Axion Spin Precession Experiment. <i>Physics of the Dark Universe</i> , 2018, 19, 27-35.	4.9	50
17	A method for directional detection of dark matter using spectroscopy of crystal defects. <i>Physical Review D</i> , 2017, 96, .	4.7	54
18	Probing the frontiers of particle physics with tabletop-scale experiments. <i>Science</i> , 2017, 357, 990-994.	12.6	110

#	ARTICLE	IF	CITATIONS
19	NMR technique for determining the depth of shallow nitrogen-vacancy centers in diamond. Physical Review B, 2016, 93, .	3.2	107
20	Precessing Ferromagnetic Needle Magnetometer. Physical Review Letters, 2016, 116, 190801.	7.8	47
21	Nanoscale NMR spectroscopy and imaging of multiple nuclear species. Nature Nanotechnology, 2015, 10, 129-134.	31.5	215
22	Proposal for a Cosmic Axion Spin Precession Experiment (CASPEr). Physical Review X, 2014, 4, .	8.9	265