Xing Fan

List of Publications by Year
in descending order

12 papers	155 citations	1478505 6 h-index	1281871 11 g-index
12 all docs	12 docs citations	12 times ranked	150 citing authors

#	Article	IF	Citations
1	The OVAL experiment: a new experiment to measure vacuum magnetic birefringence using high repetition pulsed magnets. European Physical Journal D, 2017, 71, 1.	1.3	38
2	Probing Physics in Vacuum Using an X-ray Free-Electron Laser, a High-Power Laser, and a High-Field Magnet. Applied Sciences (Switzerland), 2017, 7, 671.	2.5	34
3	Towards an Improved Test of the Standard Model's Most Precise Prediction. Atoms, 2019, 7, 45.	1.6	29
4	Study on cooling of positronium for Bose–Einstein condensation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 104001.	1.5	19
5	Gaseous 3He nuclear magnetic resonance probe for cryogenic environments. Review of Scientific Instruments, 2019, 90, 083107.	1.3	9
6	Generalized Heisenberg–Euler formula in Abelian gauge theory with parity violation. Progress of Theoretical and Experimental Physics, 2017, 2017, .	6.6	6
7	Circumventing Detector Backaction on a Quantum Cyclotron. Physical Review Letters, 2021, 126, 070402.	7.8	6
8	Driven one-particle quantum cyclotron. Physical Review A, 2021, 103, .	2.5	6
9	Theoretical Analysis and Experimental Demonstration of a Chirped Pulse-Train Generator and its Potential for Efficient Cooling of Positronium. Physical Review Applied, 2021, 16, .	3.8	4
10	Vacuum magnetic birefringence experiment as a probe of the dark sector. Progress of Theoretical and Experimental Physics, 2018, 2018, .	6.6	2
11	Switchable damping for a one-particle oscillator. Review of Scientific Instruments, 2021, 92, 023201.	1.3	2
12	Generalized Heisenberg-Euler Formula and Its Application to Vacuum Magnetic Birefringence Experiment. Proceedings (mdpi), 2018, 2, 32.	0.2	0