Ke Deng

List of Publications by Year
in descending order

20	194	1163117 8	1125743 13
papers	citations	h-index	g-index

20	20	20	174
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Measurement and suppression of magnetic field noise of trapped ion qubit. Journal of Physics B: Atomic, Molecular and Optical Physics, 2022, 55, 075001.	1.5	5
2	Investigation of experimental issues concerning successful operation of quantum-logic-based $$^{27}hbox {Al}^+$$ ion optical clock. Applied Physics B: Lasers and Optics, 2020, 126, 1.	2.2	7
3	In Situ Measurement of Vacuum Window Birefringence using ²⁵Mg⁺ Fluorescence. Journal of Visualized Experiments, 2020, , .	0.3	0
4	A simple method for in situ measurement of vacuum window birefringence. Review of Scientific Instruments, 2019, 90, 113001.	1.3	2
5	Absolute frequency measurement of molecular iodine hyperfine transition at 534â€‰â€‰nm. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 1816.	2.1	5
6	Precision measurement of the light shift of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Mg</mml:mi><mml:none /><mml:mo>+</mml:mo><mml:mprescripts /><mml:none /><mml:mn>25</mml:mn></mml:mmultiscripts></mml:math> ions. Physical Review A, 2018, 98, .	2.5	5
7	Thermal-noise-limited higher-order mode locking of a reference cavity. Optics Letters, 2018, 43, 1690.	3.3	29
8	Ultraviolet laser spectroscopy of aluminum atoms in hollow-cathode lamp. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 225002.	1.5	5
9	Direct Laser Cooling Al^{+} Ion Optical Clocks. Chinese Physics Letters, 2017, 34, 050601.	3.3	8
10	Efficient Raman sideband cooling of trapped ions to their motional ground state. Physical Review A, 2017, 96, .	2.5	21
11	Note: A high-frequency signal generator based on direct digital synthesizer and field-programmable gate array. Review of Scientific Instruments, 2017, 88, 096103.	1.3	14
12	Precision measurement of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Mg</mml:mi><mml:none /><mml:mo>+</mml:mo><mml:mprescripts /><mml:none /><mml:mn>25</mml:mn></mml:mmultiscripts></mml:math> ground-state hyperfine constant. Physical Review A, 2017, 96, .	2.5	8
13	Design verification of large time constant thermal shields for optical reference cavities. Review of Scientific Instruments, 2016, 87, 023104.	1.3	11
14	Recent progress on the²⁷Al⁺ion optical clock. Journal of Physics: Conference Series, 2016, 723, 012026.	0.4	4
15	Characterization of electrical noise limits in ultra-stable laser systems. Review of Scientific Instruments, 2016, 87, 123105.	1.3	14
16	Design of blade-shaped-electrode linear ion traps with reduced anharmonic contributions. Journal of Applied Physics, 2015, 118, .	2.5	6
17	A modified model of helical resonator with predictable loaded resonant frequency and Q-factor. Review of Scientific Instruments, 2014, 85, 104706.	1.3	17
18	Design of an optical reference cavity with low thermal noise limit and flexible thermal expansion properties. European Physical Journal D, 2013, 67, 1.	1.3	17

#	Article	IF	Citations
19	A long-term frequency stabilized deep ultraviolet laser for Mg+ ions trapping experiments. Review of Scientific Instruments, 2013, 84, 123109.	1.3	16
20	Design of an optical reference cavity with flexible thermal expansion tuning properties. , 2012, , .		0