

Ilia Semerikov

List of Publications by Year in descending order

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papers

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19
all docs

19
docs citations

19
times ranked

63
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoionization dynamics of Mg atoms during Paul trap loading using a two-color UV laser system. Laser Physics Letters, 2020, 17, 125501.	1.4	0
2	Motional states of laser cooled Yb ions in an optimized radiofrequency trap. Laser Physics, 2019, 29, 095201.	1.2	3
3	Optimization of Raman Cooling of $^{25}\text{Mg}^+$ Ion to Ground Vibrational State in Linear Paul Trap. Bulletin of the Lebedev Physics Institute, 2019, 46, 138-142.	0.6	0
4	Three-Dimensional Paul Trap with High Secular Frequency for Compact Optical Clock. Bulletin of the Lebedev Physics Institute, 2019, 46, 297-300.	0.6	2
5	Improved Wavelength Measurement of $2S_{1/2} \rightarrow 2P_{1/2}$ and $2D_{3/2} \rightarrow 3[3/2]_{1/2}$ Transitions in Yb^+ . Journal of Russian Laser Research, 2019, 40, 375-381.	0.6	8
6	Nonselective Paul ion trap loading with a light-emitting diode. Applied Physics Letters, 2019, 115, .	3.3	3
7	Cryogenic and large-base Fabry-Perot cavities for ultra-stable laser systems. EPJ Web of Conferences, 2018, 190, 04011.	0.3	1
8	EIT Ground State Cooling Scheme of $^{171}\text{Yb}^+$ Based on the $2S_{1/2} \rightarrow 2P_{1/2}$ Cooling Transition. Journal of Russian Laser Research, 2018, 39, 568-574.	0.6	5
9	Compact Transportable Optical Standard Based on a Single $^{171}\text{Yb}^+$ Ion (â€œYBISâ€œ Project). Bulletin of the Lebedev Physics Institute, 2018, 45, 337-340.	0.6	14
10	On the thermal noise limit of ultrastable optical cavities. Quantum Electronics, 2018, 48, 425-430.	1.0	12
11	Towards compact transportable optical clock based on $^{171}\text{Yb}^+$, 2018, , .		0
12	Doppler laser cooling and vibrational spectrum of $^{24}\text{Mg}^+$ ions in a linear Paul trap. Quantum Electronics, 2018, 48, 448-452.	1.0	5
13	Progress in optical frequency standards: ultracold Thulium, ions, and passive resonators. Journal of Physics: Conference Series, 2017, 793, 012013.	0.4	0
14	Microwave frequency standard on $^{25}\text{Mg}^+$ ions: expected characteristics and prospects. Quantum Electronics, 2017, 47, 426-430.	1.0	3
15	Microwave frequency standard based on $^{25}\text{Mg}^+$ ions. Journal of Physics: Conference Series, 2017, 941, 012113.	0.4	1
16	Multiparticle losses in a linear quadrupole Paul trap. Quantum Electronics, 2016, 46, 935-940.	1.0	9
17	A Compact Second-Harmonic Generator for Tasks of Precision Spectroscopy Within the Range of $240\text{â€œ}600$ nm. Journal of Russian Laser Research, 2016, 37, 440-447.	0.6	5
18	Magnetic field evolution of accreting neutron stars. Monthly Notices of the Royal Astronomical Society, 2016, 455, 1938-1945.	4.4	4

#	ARTICLE	IF	CITATIONS
19	Detection of the clock transition ($1.14 \hat{1} \frac{1}{4} \text{m}$) in ultra-cold thulium atoms. Quantum Electronics, 2015, 45, 482-485.	1.0	11