

Chukman So

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

930
citations

840776

11
h-index

888059

17
g-index

23
all docs

23
docs citations

23
times ranked

556
citing authors

#	ARTICLE	IF	CITATIONS
1	Sympathetic cooling of positrons to cryogenic temperatures for antihydrogen production. Nature Communications, 2021, 12, 6139.	12.8	18
2	Plasma temperature measurement with a silicon photomultiplier (SiPM). Review of Scientific Instruments, 2020, 91, 103502.	1.3	4
3	The ALPHA-g Antihydrogen Gravity Magnet System. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	0
4	Characterization of the $1S \rightarrow 2S$ transition in antihydrogen. Nature, 2018, 557, 71-75.	27.8	107
5	Observation of the $1S \rightarrow 2P$ Lyman- α transition in antihydrogen. Nature, 2018, 561, 211-215.	27.8	51
6	Observation of the $1S \rightarrow 2S$ transition in trapped antihydrogen. Nature, 2017, 541, 506-510.	27.8	122
7	Antihydrogen accumulation for fundamental symmetry tests. Nature Communications, 2017, 8, 681.	12.8	64
8	Observation of the hyperfine spectrum of antihydrogen. Nature, 2017, 548, 66-69.	27.8	101
9	Electron Plasmas Cooled by Cyclotron-Cavity Resonance. Physical Review Letters, 2016, 117, 175001.	7.8	5
10	Experimental and computational study of the injection of antiprotons into a positron plasma for antihydrogen production. Physics of Plasmas, 2013, 20, .	1.9	19
11	The ALPHA μ detector: Module Production and Assembly. Journal of Instrumentation, 2012, 7, C01051-C01051.	1.2	5
12	Antihydrogen formation by autoresonant excitation of antiproton plasmas. Hyperfine Interactions, 2012, 212, 61-67.	0.5	0
13	Trapped antihydrogen. Hyperfine Interactions, 2012, 212, 15-29.	0.5	12
14	Progress towards microwave spectroscopy of trapped antihydrogen. Hyperfine Interactions, 2012, 212, 81-90.	0.5	7
15	Antihydrogen detection in ALPHA. Hyperfine Interactions, 2012, 212, 91-99.	0.5	0
16	Microwave-plasma interactions studied via mode diagnostics in ALPHA. Hyperfine Interactions, 2012, 212, 117-123.	0.5	0
17	Alternative method for reconstruction of antihydrogen annihilation vertices. Hyperfine Interactions, 2012, 212, 101-107.	0.5	1
18	Antiparticle sources for antihydrogen production and trapping. Journal of Physics: Conference Series, 2011, 262, 012001.	0.4	1

#	ARTICLE	IF	CITATIONS
19	Towards antihydrogen trapping and spectroscopy at ALPHA. <i>Hyperfine Interactions</i> , 2011, 199, 39-48.	0.5	0
20	Centrifugal Separation and Equilibration Dynamics in an Electron-Antiproton Plasma. <i>Physical Review Letters</i> , 2011, 106, 145001.	7.8	26
21	Trapped antihydrogen. <i>Nature</i> , 2010, 468, 673-676.	27.8	298
22	Evaporative Cooling of Antiprotons to Cryogenic Temperatures. <i>Physical Review Letters</i> , 2010, 105, 013003.	7.8	89
23	ALPHA ANTIHYDROGEN EXPERIMENT. , 2010, , .		0