

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	Trapped antihydrogen. Nature, 2010, 468, 673-676.	27.8	298
2	Observation of the $1S \rightarrow 2S$ transition in trapped antihydrogen. Nature, 2017, 541, 506-510.	27.8	122
3	Characterization of the $1S \rightarrow 2S$ transition in antihydrogen. Nature, 2018, 557, 71-75.	27.8	107
4	Observation of the hyperfine spectrum of antihydrogen. Nature, 2017, 548, 66-69.	27.8	101
5	Evaporative Cooling of Antiprotons to Cryogenic Temperatures. Physical Review Letters, 2010, 105, 013003.	7.8	89
6	Antihydrogen accumulation for fundamental symmetry tests. Nature Communications, 2017, 8, 681.	12.8	64
7	Observation of the $1S \rightarrow 2P$ Lyman- β transition in antihydrogen. Nature, 2018, 561, 211-215.	27.8	51
8	Centrifugal Separation and Equilibration Dynamics in an Electron-Antiproton Plasma. Physical Review Letters, 2011, 106, 145001.	7.8	26
9	Experimental and computational study of the injection of antiprotons into a positron plasma for antihydrogen production. Physics of Plasmas, 2013, 20, .	1.9	19
10	Sympathetic cooling of positrons to cryogenic temperatures for antihydrogen production. Nature Communications, 2021, 12, 6139.	12.8	18
11	Trapped antihydrogen. Hyperfine Interactions, 2012, 212, 15-29.	0.5	12
12	Progress towards microwave spectroscopy of trapped antihydrogen. Hyperfine Interactions, 2012, 212, 81-90.	0.5	7
13	The ALPHA α detector: Module Production and Assembly. Journal of Instrumentation, 2012, 7, C01051-C01051.	1.2	5
14	Electron Plasmas Cooled by Cyclotron-Cavity Resonance. Physical Review Letters, 2016, 117, 175001.	7.8	5
15	Plasma temperature measurement with a silicon photomultiplier (SiPM). Review of Scientific Instruments, 2020, 91, 103502.	1.3	4
16	Antiparticle sources for antihydrogen production and trapping. Journal of Physics: Conference Series, 2011, 262, 012001.	0.4	1
17	Alternative method for reconstruction of antihydrogen annihilation vertices. Hyperfine Interactions, 2012, 212, 101-107.	0.5	1
18	Towards antihydrogen trapping and spectroscopy at ALPHA. Hyperfine Interactions, 2011, 199, 39-48.	0.5	0

#	ARTICLE	IF	CITATIONS
19	Antihydrogen formation by autoresonant excitation of antiproton plasmas. <i>Hyperfine Interactions</i> , 2012, 212, 61-67.	0.5	0
20	Antihydrogen detection in ALPHA. <i>Hyperfine Interactions</i> , 2012, 212, 91-99.	0.5	0
21	Microwave-plasma interactions studied via mode diagnostics in ALPHA. <i>Hyperfine Interactions</i> , 2012, 212, 117-123.	0.5	0
22	The ALPHA-g Antihydrogen Gravity Magnet System. <i>IEEE Transactions on Applied Superconductivity</i> , 2020, 30, 1-5.	1.7	0
23	ALPHA ANTIHYDROGEN EXPERIMENT. , 2010, , .		0