

# Akira Ishida

## List of Publications by Year in descending order

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27  
papers

492  
citations

1163117

8  
h-index

752698

20  
g-index

28  
all docs

28  
docs citations

28  
times ranked

478  
citing authors

#	ARTICLE	IF	CITATIONS
1	Theoretical Analysis and Experimental Demonstration of a Chirped Pulse-Train Generator and its Potential for Efficient Cooling of Positronium. <i>Physical Review Applied</i> , 2021, 16, .	3.8	4
2	Observation of orthopositronium thermalization in silica aerogel at cryogenic temperatures. <i>Physical Review A</i> , 2021, 104, .	2.5	5
3	Accumulation of LINAC based low energy positrons in a buffer gas trap. <i>Applied Physics Express</i> , 2020, 13, 066003.	2.4	6
4	Development of a Sub-microsecond Broadband Pulsed Laser for Cooling Positronium. , 2020, , .		0
5	Observation of the $1S \rightarrow 2S$ transition in trapped antihydrogen. <i>Nature</i> , 2017, 541, 506-510.	27.8	122
6	Antihydrogen accumulation for fundamental symmetry tests. <i>Nature Communications</i> , 2017, 8, 681.	12.8	64
7	Observation of the hyperfine spectrum of antihydrogen. <i>Nature</i> , 2017, 548, 66-69.	27.8	101
8	New Precision Measurement of Hyperfine Splitting of Positronium. <i>Defect and Diffusion Forum</i> , 2017, 373, 75-79.	0.4	0
9	Study on Bose-Einstein condensation of positronium. <i>Journal of Physics: Conference Series</i> , 2017, 791, 012007.	0.4	5
10	Measurement of positronium thermalization in isobutane gas for precision measurement of ground-state hyperfine splitting. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 064008.	1.5	5
11	An improved limit on the charge of antihydrogen from stochastic acceleration. <i>Nature</i> , 2016, 529, 373-376.	27.8	48
12	New Precise Measurement of the Hyperfine Splitting of Positronium. <i>Journal of Physical and Chemical Reference Data</i> , 2015, 44, .	4.2	8
13	First test of $O(\hat{L} \pm)$ correction on the energy spectrum in the orthopositronium decay. <i>Journal of Physics: Conference Series</i> , 2015, 618, 012007.	0.4	0
14	New precision measurement of hyperfine splitting of positronium. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 734, 338-344.	4.1	70
15	The first direct observation of positronium hyperfine splitting. , 2012, , .		0
16	Precise measurement of positronium hyperfine splitting using the Zeeman effect. <i>Hyperfine Interactions</i> , 2012, 212, 133-140.	0.5	10
17	Measurement of positronium hyperfine splitting with quantum oscillation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 697, 121-126.	4.1	21
18	Precise measurement of the HFS of positronium using the zeeman effect I: Experimental set-up and RF system. <i>Journal of Physics: Conference Series</i> , 2010, 225, 012001.	0.4	1

#	ARTICLE	IF	CITATIONS
19	Precise measurement of HFS of positronium using Zeeman effect. Journal of Physics: Conference Series, 2010, 225, 012019.	0.4	1
20	Precise measurement of HFS of positronium. Journal of Physics: Conference Series, 2010, 199, 012004.	0.4	0
21	Probing the energy structure of positronium with a 203 GHz Fabry-Perot Cavity. Journal of Physics: Conference Series, 2010, 199, 012002.	0.4	6
22	Measurement of positronium hyperfine splitting with quantum oscillation. Journal of Physics: Conference Series, 2010, 225, 012045.	0.4	2
23	Precise Measurement of Hyperfine Splitting of Positronium Using the Zeeman Effect. Materials Science Forum, 2010, 666, 129-132.	0.3	0
24	Experiment for the first direct measurement of the hyperfine splitting of positronium. Journal of Physics: Conference Series, 2010, 225, 012037.	0.4	3
25	Precision measurements of positronium decay rate and energy level. AIP Conference Proceedings, 2008, , .	0.4	7
26	Study on positronium Bose-Einstein condensation. , 0, , .		2
27	Positronium emission from GaN(0001) and AlN(0001) surfaces. Journal of Physics B: Atomic, Molecular and Optical Physics, 0, , .	1.5	0