

Koji Michishio

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7842221/publications.pdf>

Version: 2024-02-01

50
papers

747
citations

759233

12
h-index

526287

27
g-index

50
all docs

50
docs citations

50
times ranked

493
citing authors

#	ARTICLE	IF	CITATIONS
1	A source of antihydrogen for in-flight hyperfine spectroscopy. <i>Nature Communications</i> , 2014, 5, 3089.	12.8	149
2	Synthesis of Cold Antihydrogen in a Cusp Trap. <i>Physical Review Letters</i> , 2010, 105, 243401.	7.8	135
3	Photodetachment of Positronium Negative Ions. <i>Physical Review Letters</i> , 2011, 106, 153401.	7.8	55
4	Efficient emission of positronium negative ions from Cs deposited W(100) surfaces. <i>New Journal of Physics</i> , 2008, 10, 123029.	2.9	50
5	Observation of a shape resonance of the positronium negative ion. <i>Nature Communications</i> , 2016, 7, 11060.	12.8	43
6	Increase in the beam intensity of the linac-based slow positron beam and its application at the Slow Positron Facility, KEK. <i>European Physical Journal D</i> , 2012, 66, 1.	1.3	42
7	Transport of small and neutral solutes through reverse osmosis membranes: Role of skin layer conformation of the polyamide film. <i>Journal of Membrane Science</i> , 2018, 554, 301-308.	8.2	33
8	An energy-tunable positronium beam produced using the photodetachment of the positronium negative ion. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	32
9	Durable emission of positronium negative ions from Na- and K-coated W(100) surfaces. <i>New Journal of Physics</i> , 2012, 14, 015003.	2.9	30
10	Development of a monoenergetic ultraslow antiproton beam source for high-precision investigation. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2012, 15, .	1.8	24
11	A high-quality and energy-tunable positronium beam system employing a trap-based positron beam. <i>Review of Scientific Instruments</i> , 2019, 90, 023305.	1.3	17
12	New experiment stations at KEK Slow Positron Facility. <i>Journal of Physics: Conference Series</i> , 2013, 443, 012082.	0.4	13
13	Design of a compact electron accelerator-driven pulsed neutron facility at AIST. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 927, 407-418.	1.6	12
14	Efficient formation of positronium negative ions. <i>Journal of Physics: Conference Series</i> , 2009, 194, 012039.	0.4	11
15	Effects of Ring Size on the Dynamics of Polyrotaxane Glass. <i>Macromolecules</i> , 2020, 53, 8910-8917.	4.8	10
16	ASACUSA MUSASHI: New progress with intense ultra slow antiproton beam. <i>Hyperfine Interactions</i> , 2009, 194, 71-76.	0.5	8
17	Emission of positronium negative ions from Cs deposited W(100) and polycrystalline Fe surfaces. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009, 6, 2291-2294.	0.8	7
18	Positron accumulation and manipulation for antihydrogen synthesis. <i>Journal of Physics: Conference Series</i> , 2010, 225, 012018.	0.4	7

#	ARTICLE	IF	CITATIONS
19	Ps ⁺ emission from Cs coated surfaces. Journal of Physics: Conference Series, 2010, 199, 012003.	0.4	6
20	Threshold Photodetachment Spectroscopy of the Positronium Negative Ion. Physical Review Letters, 2020, 125, 063001.	7.8	6
21	Motion-Induced Transition of Positronium through a Static Periodic Magnetic Field in the Sub-THz Region. Physical Review Letters, 2020, 124, 173202.	7.8	6
22	Accumulation of LINAC based low energy positrons in a buffer gas trap. Applied Physics Express, 2020, 13, 066003.	2.4	6
23	Ps ⁺ emission from Na coated W(100) surfaces. Journal of Physics: Conference Series, 2011, 262, 012058.	0.4	5
24	Positronium negative ion experiments – formation, photodetachment and production of an energy tunable positronium beam –. Journal of Physics: Conference Series, 2012, 388, 012021.	0.4	5
25	The ASACUSA CUSP: an antihydrogen experiment. Hyperfine Interactions, 2015, 235, 13-20.	0.5	5
26	Profiles of a positronium beam produced using the photodetachment of positronium negative ions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 785, 5-8.	1.6	5
27	Research progress at the Slow Positron Facility in the Institute of Materials Structure Science, KEK. Journal of Physics: Conference Series, 2017, 791, 012003.	0.4	4
28	Design and construction of an electron accelerator for a pulsed neutron facility at AIST. Nuclear Instruments & Methods in Physics Research B, 2020, 464, 41-44.	1.4	4
29	Towards the production of an energy-tunable positronium beam using Ps ⁺ photodetachment technique. Journal of Physics: Conference Series, 2011, 262, 012041.	0.4	3
30	Synthesis of antihydrogen atoms in a CUSP trap. Hyperfine Interactions, 2012, 209, 35-41.	0.5	3
31	An energy-tunable positronium beam produced via photodetachment of positronium negative ions and its applications. Journal of Physics B: Atomic, Molecular and Optical Physics, 2021, 54, 212001.	1.5	3
32	Energy dissipation of para-positronium in polymers and silica glass. Applied Physics Express, 2022, 15, 076001.	2.4	2
33	Spontaneous Emission of Positronium Negative Ions from Tungsten (100) Surface. Materials Science Forum, 0, 607, 161-165.	0.3	1
34	The simplest three body system: Positronium negative ions. , 2014, , .		1
35	Towards a spin polarized antihydrogen beam. Hyperfine Interactions, 2014, 228, 67-76.	0.5	1
36	Positronium and positronium negative ion emission from alkali-metal coated tungsten surfaces. Journal of Physics: Conference Series, 2014, 505, 012037.	0.4	1

#	ARTICLE	IF	CITATIONS
37	Development of an energy-tunable positronium beam apparatus using the photodetachment of the positronium negative ion. Journal of Physics: Conference Series, 2015, 635, 082003.	0.4	1
38	Newly constructed compact accelerator-based neutron facility at AIST. EPJ Web of Conferences, 2020, 231, 01002.	0.3	1
39	Developments of the cusp trap to synthesize antihydrogen atoms for high precision spectroscopy of ground state hyperfine splitting. Journal of Physics: Conference Series, 2009, 194, 072018.	0.4	0
40	Antihydrogen atom formation in a CUSP trap towards spin polarized beams. Hyperfine Interactions, 2012, 212, 31-40.	0.5	0
41	Towards the production of anti-hydrogen beams. , 2013, , .		0
42	Observation of a resonance in the photodetachment of positronium negative ions. Journal of Physics: Conference Series, 2015, 635, 052050.	0.4	0
43	Fast Optical Characterization of Microvoid Size in Hydrogenated Amorphous Silicon: Study on the Universal Applicability of the Correlation between the Microvoid Size and the Optical Constant. , 2018, , .		0
44	<i>(Invited)</i> A Novel Optical Characterization of a-Si:H/c-Si Interface Microstructures Based on Data of Positron Annihilation Spectroscopy. ECS Transactions, 2019, 92, 21-24.	0.5	0
45	Synthesis of antihydrogen atoms in a CUSP trap. , 2012, , 35-41.		0
46	Antihydrogen atom formation in a CUSP trap towards spin polarized beams. , 2012, , 31-40.		0
47	Development of energy-tunable positronium beams employing the photodetachment of positronium negative ions. , 0, , .		0
48	Development of a high-brightness, energy-tunable positronium beam for surface scattering experiments. , 0, , .		0
49	(Invited) A Novel Optical Characterization of a-Si:H/c-Si Interface Microstructures Based on Data of Positron Annihilation Spectroscopy. ECS Meeting Abstracts, 2019, , .	0.0	0
50	Temperature dependence of ortho-Positronium Annihilation in Room Temperature Ionic Liquids. Acta Physica Polonica A, 2020, 137, 109-112.	0.5	0