

Takeshi Furukawa

List of Publications by Year in descending order

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33
papers

320
citations

933447

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839539

18
g-index

33
all docs

33
docs citations

33
times ranked

322
citing authors

#	ARTICLE	IF	CITATIONS
1	Cooling Dynamics of Photoexcited C_6^- . Physical Review Letters, 2016, 117, 133004.	7.8	62
2	Detection of Recurrent Fluorescence Photons. Physical Review Letters, 2016, 117, 133004.	7.8	42
3	Production of spin-controlled rare isotope beams. Nature Physics, 2012, 8, 918-922.	16.7	34
4	Radiative cooling of C_7^- . Journal of Chemical Physics, 2014, 140, 104311.	3.0	30
5	Inverse internal conversion in C_4^- below the electron detachment threshold. Physical Chemistry Chemical Physics, 2015, 17, 24732-24737.	2.8	30
6	Interplay between nuclear shell evolution and shape deformation revealed by the magnetic moment of ^{75}Cu . Nature Physics, 2019, 15, 321-325.	16.7	22
7	Development of high-homogeneity magnetic field coil for ^{129}Xe EDM experiment. Hyperfine Interactions, 2015, 230, 141-146.	0.5	18
8	Experimental search for the electron electric dipole moment with laser cooled francium atoms. Hyperfine Interactions, 2015, 231, 157-162.	0.5	15
9	Electronic and vibrational radiative cooling of the small carbon clusters C_4^- and C_6^- . Physical Review Letters, 2014, 113, 133001.	2.5	14
10	Nuclear spin maser and experimental search for ^{129}Xe atomic EDM. Hyperfine Interactions, 2013, 220, 59-63.	0.5	11
11	Search for permanent EDM using laser cooled Fr atoms. Hyperfine Interactions, 2013, 214, 133-139.	0.5	9
12	Development of a gas cell-based laser ion source for RIKEN PALIS. Hyperfine Interactions, 2013, 216, 103-107.	0.5	7
13	IR-photon quenching of delayed electron detachment from hot pentacene anions. Physical Review A, 2021, 104, .	2.5	7
14	Cooling dynamics of photo-excited negative carbon cluster ions stored in an ion storage ring. Nuclear Instruments & Methods in Physics Research B, 2015, 354, 192-196.	1.4	5
15	EDM measurement in ^{129}Xe atom using dual active feedback nuclear spin maser. Hyperfine Interactions, 2015, 230, 147-153.	0.5	4
16	Radioactive ion beam transportation for the fundamental symmetry study with laser-trapped atoms. Review of Scientific Instruments, 2014, 85, 02A732.	1.3	3
17	Search for electric dipole moment in ^{129}Xe atom using a nuclear spin oscillator. Physics of Particles and Nuclei, 2014, 45, 199-201.	0.7	2
18	Novel method for the production of spin-aligned RI beams in projectile fragmentation reaction with the dispersion matching technique. Hyperfine Interactions, 2013, 220, 47-51.	0.5	1

#	ARTICLE	IF	CITATIONS
19	Laser Cooled Francium Factory for the Electron Electric Dipole Moment Search. , 2014, , .		1
20	Precision measurement of laser RF double resonance spectra with an effective compensation of residual magnetic field. Hyperfine Interactions, 2014, 227, 147-156.	0.5	1
21	Development of Magnetometer Based on the Nonlinear Magneto-Optical Rotation Effect Toward the Measurement of the Electron Electric Dipole Moment. , 2015, , .		1
22	Performance assessment of a new laser system for efficient spin exchange optical pumping in a spin maser measurement of ¹²⁹ Xe EDM. Hyperfine Interactions, 2015, 236, 59-64.	0.5	1
23	Towards the Measurement of the Electric-Dipole Moment of Radioactive Francium using Laser-Cooling and Trapping Techniques. , 2015, , .		0
24	¹²⁹ Xe EDM Search Experiment Using Active Nuclear Spin Maser. , 2015, , .		0
25	Measurement of Hyperfine Structure of Au Atom in Superfluid Helium. , 2015, , .		0
26	Measurement of the Hyperfine Splitting of Alkali Atoms in Superfluid Helium for Laser Spectroscopy of Atoms with Unstable Nuclei. , 2015, , .		0
27	Laser spectroscopy of atoms in superfluid helium for the measurement of nuclear spins and electromagnetic moments of radioactive atoms. Hyperfine Interactions, 2015, 236, 95-100.	0.5	0
28	Measurement of the hyperfine splitting of ¹³³ Cs atoms in superfluid helium. Hyperfine Interactions, 2015, 230, 73-77.	0.5	0
29	Cooling of Molecular Ions by Recurrent Fluorescence. Molecular Science, 2018, 12, A0100.	0.2	0
30	Rotationally Resolved Excitation Spectra Measured by Slow Electron Detachment from Si ²⁺ . Journal of Physical Chemistry Letters, 2020, 11, 5199-5203.	4.6	0
31	Double-Cell Geometry for ¹²⁹ Xe/ ³ He Co-Magnetometry. , 2015, , .		0
32	Spin-Aligned RI Beams and <i>g</i> -Factor Measurements. , 2015, , .		0
33	Magnetic Moment of the Isomeric State of ⁷⁵ Cu Measured with a Highly Spin-aligned Beam. , 2020, , .		0