

Hiroki Takeda

List of Publications by Year in descending order

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52
papers

1,438
citations

516710

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all docs

52
docs citations

52
times ranked

2145
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance of the KAGRA detector during the first joint observation with GEO600 (O3GK). Progress of Theoretical and Experimental Physics, 2023, 2023, .	6.6	4
2	Search for scalar-tensor mixed polarization modes of gravitational waves. Physical Review D, 2022, 105, .	4.7	10
3	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	6.6	20
4	Polarization test of gravitational waves from compact binary coalescences. , 2022, , .		0
5	Prospects for improving the sensitivity of KAGRA gravitational wave detector. , 2022, , .		3
6	The current status of contribution activities in Japan for LISA. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	1
7	Overview of KAGRA: Detector design and construction history. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	198
8	Overview of KAGRA: KAGRA science. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	31
9	Overview of KAGRA: Calibration, detector characterization, physical environmental monitors, and the geophysics interferometer. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	66
10	Pure polarization test of GW170814 and GW170817 using waveforms consistent with modified theories of gravity. Physical Review D, 2021, 103, .	4.7	21
11	Vibration isolation systems for the beam splitter and signal recycling mirrors of the KAGRA gravitational wave detector. Classical and Quantum Gravity, 2021, 38, 065011.	4.0	7
12	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2020, 23, 3.	26.7	447
13	Application of independent component analysis to the iKAGRA data. Progress of Theoretical and Experimental Physics, 2020, 2020, .	6.6	7
14	Prospects for improving the sensitivity of the cryogenic gravitational wave detector KAGRA. Physical Review D, 2020, 102, .	4.7	12
15	Compact integrated optical sensors and electromagnetic actuators for vibration isolation systems in the gravitational-wave detector KAGRA. Review of Scientific Instruments, 2020, 91, 115001.	1.3	5
16	Prospects for gravitational-wave polarization tests from compact binary mergers with future ground-based detectors. Physical Review D, 2019, 100, .	4.7	19
17	First cryogenic test operation of underground km-scale gravitational-wave observatory KAGRA. Classical and Quantum Gravity, 2019, 36, 165008.	4.0	45
18	Vibration isolation system with a compact damping system for power recycling mirrors of KAGRA. Classical and Quantum Gravity, 2019, 36, 095015.	4.0	9

#	ARTICLE	IF	CITATIONS
19	Particle swarm optimization of the sensitivity of a cryogenic gravitational wave detector. Physical Review D, 2018, 97, .	4.7	15
20	Polarization test of gravitational waves from compact binary coalescences. Physical Review D, 2018, 98, .	4.7	40
21	Construction of KAGRA: an underground gravitational-wave observatory. Progress of Theoretical and Experimental Physics, 2018, 2018, .	6.6	73
22	Direct approach for the fluctuation-dissipation theorem under nonequilibrium steady-state conditions. Physical Review D, 2018, 97, .	4.7	15
23	Mirror actuation design for the interferometer control of the KAGRA gravitational wave telescope. Classical and Quantum Gravity, 2017, 34, 225001.	4.0	14
24	Proton elastic scattering from tin isotopes at 295 MeV and systematic change of neutron density distributions. Physical Review C, 2008, 77, .	2.9	83
25	Analyzing powers for exclusive $1s_{1/2}$ proton knockout from light nuclei. Physical Review C, 2005, 72, .	2.9	8
26	Weak isoscalar response of ^{11}B . Physics of Atomic Nuclei, 2004, 67, 1794-1798.	0.4	1
27	Structures and decay of deep-hole states in light nuclei populated by the $(p, 2p)$ reactions. Physics of Atomic Nuclei, 2004, 67, 1810-1817.	0.4	2
28	Systematics of the bimodal isoscalar giant dipole resonance. Physical Review C, 2004, 69, .	2.9	95
29	Systematic study of ^{152}Sm giant resonances in Sm isotopes via multipole decomposition analysis. Physical Review C, 2003, 68, .	2.9	61
30	Extraction of Neutron Density Distributions from Proton Elastic Scattering at Intermediate Energies. AIP Conference Proceedings, 2003, , .	0.4	2
31	High Resolution Study of Pionic $0^{\pi\pi}$ State in ^{16}O . AIP Conference Proceedings, 2003, , .	0.4	0
32	Polarization Transfer in the $^{16}\text{O}(p, p\hat{E}^1)$ Reaction at Forward Angles and Structure of the Spin-dipole Resonances. AIP Conference Proceedings, 2003, , .	0.4	0
33	ISOSCALAR GIANT DIPOLE RESONANCE AND NUCLEAR INCOMPRESSIBILITY. , 2003, , .		0
34	HIGH RESOLUTION STUDY OF PIONIC $0^{\pi\pi}$ STATE IN ^{16}O . , 2003, , .		0
35	COMPRESSIONAL-MODE GIANT RESONANCES IN DEFORMED NUCLEI. , 2003, , .		0
36	STUDY OF IN-MEDIUM NN INTERACTIONS BY USING $(p, 2p)$ REACTIONS. , 2003, , .		0

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37	EXTRACTION OF NEUTRON DENSITY DISTRIBUTIONS FROM PROTON ELASTIC SCATTERING AT INTERMEDIATE ENERGIES. , 2003, , .		1
38	Extraction of neutron density distributions from proton elastic scattering at intermediate energies. AIP Conference Proceedings, 2002, , .	0.4	0
39	The isoscalar giant dipole resonance in [²⁰⁸ Pb] and the nuclear incompressibility. AIP Conference Proceedings, 2002, , .	0.4	2
40	NUCLEON SPIN ASYMMETRY AND NUCLEON AND MESON EFFECTIVE MASSES. , 2002, , .		0
41	FRAGMENT FORMATION IN GEV-ENERGY PROTON AND LIGHT HEAVY-ION INDUCED REACTIONS. , 2002, , .		0
42	Spin-dipole resonances in [¹⁶ O(\vec{p} , \vec{p} -[^{Ê1}])] reaction. AIP Conference Proceedings, 2001, , .	0.4	0
43	Instrumentation for the polarization transfer experiment in proton inelastic scattering at 0°. AIP Conference Proceedings, 2001, , .	0.4	0
44	Spin-dependent effective interaction studied by the [¹² C, \vec{p}][²⁸ Si(\vec{p} , \vec{p} -[^{Ê1}])] reactions at zero degrees. AIP Conference Proceedings, 2001, , .	0.4	3
45	Quasielastic \vec{p} -nucleus scattering at 950 MeV/c. Physical Review C, 2001, 64, .	2.9	14
46	Elastic proton scattering from ⁴ He at 297 MeV. Physical Review C, 2001, 63, .	2.9	15
47	Observing ISGDR using \vec{p} inelastic scattering at 400 MeV. , 2000, , .		0
48	Nuclear reaction studied by (\vec{p}, \vec{p}') reactions at 0°. , 2000, , .		0
49	NEUTRON DENSITY DISTRIBUTIONS OBSERVED BY PROTON ELASTIC SCATTERING. , 2000, , .		0
50	Elastic scattering of polarized protons from ⁵⁸ Ni at $E_p=192, 295,$ and 400 MeV. Physical Review C, 1998, 57, 1749-1755.	2.9	32
51	Exclusive Measurement of Proton Quasifree Scattering and Density Dependence of the Nucleon-Nucleon Interaction. Physical Review Letters, 1997, 78, 1014-1017.	7.8	38
52	New data acquisition system for the focal plane polarimeter of the Grand Raiden spectrometer. IEEE Transactions on Nuclear Science, 1996, 43, 2488-2491.	2.0	19