

Hiroki Takeda

List of Publications by Year in descending order

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52
papers

1,438
citations

516710

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361022

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docs citations

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times ranked

2145
citing authors

#	ARTICLE	IF	CITATIONS
1	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2020, 23, 3.	26.7	447
2	Overview of KAGRA: Detector design and construction history. <i>Progress of Theoretical and Experimental Physics</i> , 2021, 2021, .	6.6	198
3	Systematics of the bimodal isoscalar giant dipole resonance. <i>Physical Review C</i> , 2004, 69, .	2.9	95
4	Proton elastic scattering from tin isotopes at 295 MeV and systematic change of neutron density distributions. <i>Physical Review C</i> , 2008, 77, .	2.9	83
5	Construction of KAGRA: an underground gravitational-wave observatory. <i>Progress of Theoretical and Experimental Physics</i> , 2018, 2018, .	6.6	73
6	Overview of KAGRA: Calibration, detector characterization, physical environmental monitors, and the geophysics interferometer. <i>Progress of Theoretical and Experimental Physics</i> , 2021, 2021, .	6.6	66
7	Systematic study of ^{152}Sm giant resonances in Sm isotopes via multipole decomposition analysis. <i>Physical Review C</i> , 2003, 68, .	2.9	61
8	First cryogenic test operation of underground km-scale gravitational-wave observatory KAGRA. <i>Classical and Quantum Gravity</i> , 2019, 36, 165008.	4.0	45
9	Polarization test of gravitational waves from compact binary coalescences. <i>Physical Review D</i> , 2018, 98, .	4.7	40
10	Exclusive Measurement of Proton Quasifree Scattering and Density Dependence of the Nucleon-Nucleon Interaction. <i>Physical Review Letters</i> , 1997, 78, 1014-1017.	7.8	38
11	Elastic scattering of polarized protons from ^{58}Ni at $E_p=192, 295, \text{ and } 400 \text{ MeV}$. <i>Physical Review C</i> , 1998, 57, 1749-1755.	2.9	32
12	Overview of KAGRA: KAGRA science. <i>Progress of Theoretical and Experimental Physics</i> , 2021, 2021, .	6.6	31
13	Pure polarization test of GW170814 and GW170817 using waveforms consistent with modified theories of gravity. <i>Physical Review D</i> , 2021, 103, .	4.7	21
14	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. <i>Progress of Theoretical and Experimental Physics</i> , 2022, 2022, .	6.6	20
15	New data acquisition system for the focal plane polarimeter of the Grand Raiden spectrometer. <i>IEEE Transactions on Nuclear Science</i> , 1996, 43, 2488-2491.	2.0	19
16	Prospects for gravitational-wave polarization tests from compact binary mergers with future ground-based detectors. <i>Physical Review D</i> , 2019, 100, .	4.7	19
17	Elastic proton scattering from ^{40}Ca at 297 MeV. <i>Physical Review C</i> , 2001, 63, .	2.9	15
18	Particle swarm optimization of the sensitivity of a cryogenic gravitational wave detector. <i>Physical Review D</i> , 2018, 97, .	4.7	15

#	ARTICLE	IF	CITATIONS
19	Direct approach for the fluctuation-dissipation theorem under nonequilibrium steady-state conditions. <i>Physical Review D</i> , 2018, 97, .	4.7	15
20	Quasielastic α -nucleus scattering at 950 MeV/c. <i>Physical Review C</i> , 2001, 64, .	2.9	14
21	Mirror actuation design for the interferometer control of the KAGRA gravitational wave telescope. <i>Classical and Quantum Gravity</i> , 2017, 34, 225001.	4.0	14
22	Prospects for improving the sensitivity of the cryogenic gravitational wave detector KAGRA. <i>Physical Review D</i> , 2020, 102, .	4.7	12
23	Search for scalar-tensor mixed polarization modes of gravitational waves. <i>Physical Review D</i> , 2022, 105, .	4.7	10
24	Vibration isolation system with a compact damping system for power recycling mirrors of KAGRA. <i>Classical and Quantum Gravity</i> , 2019, 36, 095015.	4.0	9
25	Analyzing powers for exclusive $1s_{1/2}$ proton knockout from light nuclei. <i>Physical Review C</i> , 2005, 72, .	2.9	8
26	Application of independent component analysis to the iKAGRA data. <i>Progress of Theoretical and Experimental Physics</i> , 2020, 2020, .	6.6	7
27	Vibration isolation systems for the beam splitter and signal recycling mirrors of the KAGRA gravitational wave detector. <i>Classical and Quantum Gravity</i> , 2021, 38, 065011.	4.0	7
28	Compact integrated optical sensors and electromagnetic actuators for vibration isolation systems in the gravitational-wave detector KAGRA. <i>Review of Scientific Instruments</i> , 2020, 91, 115001.	1.3	5
29	Performance of the KAGRA detector during the first joint observation with GEO600 (O3GK). <i>Progress of Theoretical and Experimental Physics</i> , 2023, 2023, .	6.6	4
30	Spin-dependent effective interaction studied by the $^{12}\text{C}(\alpha, n)^{28}\text{Si}(p, p')^{28}\text{Si}$ reactions at zero degrees. <i>AIP Conference Proceedings</i> , 2001, , .	0.4	3
31	Prospects for improving the sensitivity of KAGRA gravitational wave detector. , 2022, , .		3
32	The isoscalar giant dipole resonance in ^{208}Pb and the nuclear incompressibility. <i>AIP Conference Proceedings</i> , 2002, , .	0.4	2
33	Extraction of Neutron Density Distributions from Proton Elastic Scattering at Intermediate Energies. <i>AIP Conference Proceedings</i> , 2003, , .	0.4	2
34	Structures and decay of deep-hole states in light nuclei populated by the $(p, 2p 2p)$ reactions. <i>Physics of Atomic Nuclei</i> , 2004, 67, 1810-1817.	0.4	2
35	Weak isoscalar response of ^{11}B . <i>Physics of Atomic Nuclei</i> , 2004, 67, 1794-1798.	0.4	1
36	The current status of contribution activities in Japan for LISA. <i>Progress of Theoretical and Experimental Physics</i> , 2021, 2021, .	6.6	1

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37	EXTRACTION OF NEUTRON DENSITY DISTRIBUTIONS FROM PROTON ELASTIC SCATTERING AT INTERMEDIATE ENERGIES. , 2003, , .		1
38	Spin-dipole resonances in $^{16}\text{O}(\text{p}\hat{f}-,\text{p}\hat{f}-[\text{sup } \hat{E}^1])$ reaction. AIP Conference Proceedings, 2001, , .	0.4	0
39	Instrumentation for the polarization transfer experiment in proton inelastic scattering at $0\hat{A}^\circ$. AIP Conference Proceedings, 2001, , .	0.4	0
40	Extraction of neutron density distributions from proton elastic scattering at intermediate energies. AIP Conference Proceedings, 2002, , .	0.4	0
41	High Resolution Study of Pionic $0\hat{a}^\circ$ State in ^{16}O . AIP Conference Proceedings, 2003, , .	0.4	0
42	Polarization Transfer in the $^{16}\text{O}(\text{p}, \text{p}\hat{E}^1)$ Reaction at Forward Angles and Structure of the Spin-dipole Resonances. AIP Conference Proceedings, 2003, , .	0.4	0
43	Observing ISGDR using \hat{I}_\pm inelastic scattering at 400 MeV. , 2000, , .		0
44	Nuclear reaction studied by $(\text{vec}\{p\}, \text{vec}\{p\}, ')$ reactions at $0\hat{A}^\circ$. , 2000, , .		0
45	NEUTRON DENSITY DISTRIBUTIONS OBSERVED BY PROTON ELASTIC SCATTERING. , 2000, , .		0
46	NUCLEON SPIN ASYMMETRY AND NUCLEON AND MESON EFFECTIVE MASSES. , 2002, , .		0
47	FRAGMENT FORMATION IN GEV-ENERGY PROTON AND LIGHT HEAVY-ION INDUCED REACTIONS. , 2002, , .		0
48	ISOSCALAR GIANT DIPOLE RESONANCE AND NUCLEAR INCOMPRESSIBILITY. , 2003, , .		0
49	HIGH RESOLUTION STUDY OF PIONIC $0\hat{a}^\circ$ STATE IN ^{16}O . , 2003, , .		0
50	COMPRESSIONAL-MODE GIANT RESONANCES IN DEFORMED NUCLEI. , 2003, , .		0
51	STUDY OF IN-MEDIUM NN INTERACTIONS BY USING $(\text{p}, 2\text{p})$ REACTIONS. , 2003, , .		0
52	Polarization test of gravitational waves from compact binary coalescences. , 2022, , .		0