

Masayuki Wada

List of Publications by Year in descending order

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33
papers

1,491
citations

623734

14
h-index

477307

29
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34
all docs

34
docs citations

34
times ranked

2663
citing authors

#	ARTICLE	IF	CITATIONS
1	A study of events with photoelectric emission in the DarkSide-50 liquid argon Time Projection Chamber. <i>Astroparticle Physics</i> , 2022, 140, 102704.	4.3	3
2	The SABRE experiment. <i>International Journal of Modern Physics A</i> , 2022, 37, .	1.5	1
3	The novel Mechanical Ventilator Milano for the COVID-19 pandemic. <i>Physics of Fluids</i> , 2021, 33, 037122.	4.0	29
4	Sensitivity of future liquid argon dark matter search experiments to core-collapse supernova neutrinos. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 043.	5.4	12
5	Separating ^{39}Ar from ^{40}Ar by cryogenic distillation with Aria for dark-matter searches. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	12
6	Characterization of SABRE crystal NaI-33 with direct underground counting. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	14
7	High sensitivity characterization of an ultrahigh purity NaI(Tl) crystal scintillator with the SABRE proof-of-principle detector. <i>Physical Review D</i> , 2021, 104, .	4.7	12
8	Calibration of the liquid argon ionization response to low energy electronic and nuclear recoils with DarkSide-50. <i>Physical Review D</i> , 2021, 104, .	4.7	8
9	Lessons Learned from the Development of a Mechanical Ventilator for COVID-19. , 2021, , .		3
10	Performance of the ReD TPC, a novel double-phase LAr detector with silicon photomultiplier readout. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	6
11	Effective field theory interactions for liquid argon target in DarkSide-50 experiment. <i>Physical Review D</i> , 2020, 101, .	4.7	6
12	Growth of ultra-high purity NaI(Tl) crystals for dark matter searches. <i>Physical Review Research</i> , 2020, 2, .	3.6	19
13	The SABRE project and the SABRE Proof-of-Principle. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	73
14	Measurement of the ion fraction and mobility of ^{218}Po produced in ^{222}Rn decays in liquid argon. <i>Journal of Instrumentation</i> , 2019, 14, P11018-P11018.	1.2	2
15	Monte Carlo simulation of the SABRE PoP background. <i>Astroparticle Physics</i> , 2019, 106, 1-9.	4.3	26
16	DarkSide-50 532-day dark matter search with low-radioactivity argon. <i>Physical Review D</i> , 2018, 98, .	4.7	147
17	Constraints on Sub-GeV Dark-Matterâ€“Electron Scattering from the DarkSide-50 Experiment. <i>Physical Review Letters</i> , 2018, 121, 111303.	7.8	179
18	DarkSide-20k: A 20 tonne two-phase LAr TPC for direct dark matter detection at LNGS. <i>European Physical Journal Plus</i> , 2018, 133, 1.	2.6	247

#	ARTICLE	IF	CITATIONS
19	Low-Mass Dark Matter Search with the DarkSide-50 Experiment. Physical Review Letters, 2018, 121, 081307.	7.8	259
20	Electroluminescence pulse shape and electron diffusion in liquid argon measured in a dual-phase TPC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 904, 23-34.	1.6	13
21	Effect of low electric fields on alpha scintillation light yield in liquid argon. Journal of Instrumentation, 2017, 12, P01021-P01021.	1.2	5
22	Simulation of argon response and light detection in the DarkSide-50 dual phase TPC. Journal of Instrumentation, 2017, 12, P10015-P10015.	1.2	31
23	The DarkSide direct dark matter search with liquid argon. AIP Conference Proceedings, 2017, , .	0.4	0
24	The electronics, trigger and data acquisition system for the liquid argon time projection chamber of the DarkSide-50 search for dark matter. Journal of Instrumentation, 2017, 12, P12011-P12011.	1.2	10
25	CALIS – A CALibration Insertion System for the DarkSide-50 dark matter search experiment. Journal of Instrumentation, 2017, 12, T12004-T12004.	1.2	10
26	THE DARKSIDE-50 EXPERIMENT: A LIQUID ARGON TARGET FOR DARK MATTER PARTICLES. , 2017, , 355-360.		0
27	The electronics and data acquisition system for the DarkSide-50 veto detectors. Journal of Instrumentation, 2016, 11, P12007-P12007.	1.2	7
28	The veto system of the DarkSide-50 experiment. Journal of Instrumentation, 2016, 11, P03016-P03016.	1.2	33
29	Results from the first use of low radioactivity argon in a dark matter search. Physical Review D, 2016, 93, .	4.7	108
30	The DarkSide Multiton Detector for the Direct Dark Matter Search. Advances in High Energy Physics, 2015, 2015, 1-8.	1.1	21
31	First results from the DarkSide-50 dark matter experiment at Laboratori Nazionali del Gran Sasso. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 456-466.	4.1	186
32	Hadronic Resonances from STAR. EPJ Web of Conferences, 2012, 36, 00020.	0.3	0
33	Title is missing!. Acta Physica Polonica B, Proceedings Supplement, 2012, 5, 249.	0.1	3