

Ryoichi Wada

List of Publications by Year in descending order

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30
papers

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567281

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Thick target neutron yields from Beryllium, Carbon, Tungsten, and Lead targets irradiated by 26.7 MeV/nucleon $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e191" altimg="si2.svg" \rangle \langle \text{mml:mrow} \langle \text{mml:msup} \langle \text{mml:mrow} / \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 4 \langle / \text{mml:mn} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:msup} \rangle \langle \text{mml:mi} \rangle \text{H} \langle / \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{e} \langle / \text{mml:mi} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:math} \rangle$. Nuclear Instruments and Methods in Physics Research, 2022, 516, 49-54.	1.4	0
2	A new waveform analysis technique to extract good energy and position resolution from a dual-axis duo-lateral position-sensitive detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 985, 164674.	1.6	2
3	Abnormal flow of $\hat{1}\pm$ particles in heavy-ion collisions at intermediate energies. Physical Review C, 2021, 103, .	2.9	1
4	Experimental investigation of abnormal transverse flow enhancement of $\hat{1}\pm$ particles in heavy-ion collisions. Physical Review C, 2021, 104, .	2.9	1
5	Isoscaling and nuclear reaction dynamics. Physical Review C, 2020, 101, .	2.9	3
6	Isotopic equilibrium constants for very low-density and low-temperature nuclear matter. Physical Review C, 2020, 102, .	2.9	3
7	Correlation between time and angular alignment in molecular dynamics simulations of heavy ion collisions. Physical Review C, 2020, 102, .	2.9	3
8	Examination of evidence for resonances at high excitation energy in the $7\hat{1}\pm$ disassembly of Si28. Physical Review C, 2019, 99, .	2.9	19
9	Experimental liquid-gas phase transition signals and reaction dynamics. Physical Review C, 2019, 99, .	2.9	13
10	Evidence for prevalent $Z = 6$ magic number in neutron-rich carbon isotopes. Nature Communications, 2018, 9, 1594.	12.8	24
11	Nuclear stopping and light charged particle emission in C12+C12 at 95 MeV/nucleon. Physical Review C, 2017, 95, .	2.9	14
12	High-energy proton emission and Fermi motion in intermediate-energy heavy-ion collisions. Physical Review C, 2016, 94, .	2.9	12
13	Experimental reconstruction of primary hot isotopes and characteristic properties of the fragmenting source in heavy-ion reactions near the Fermi energy. Physical Review C, 2014, 90, .	2.9	18
14	Investigation of equation of state and in-medium $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{N} \langle / \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{N} \langle / \text{mml:mi} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:math} \rangle$ sections through nuclear stopping. Physical Review C, 2014, 89, .	2.9	19
15	Primary isotope yields and characteristic properties of the fragmenting source in heavy-ion reactions near the Fermi energy. Physical Review C, 2014, 90, .	2.9	20
16	Mass dependence of transverse flow in heavy ion collisions at intermediate energies. Physical Review C, 2014, 90, .	2.9	8
17	Experimental reconstruction of excitation energies of primary hot isotopes in heavy ion collisions near the Fermi energy. Physical Review C, 2013, 88, .	2.9	15
18	Experimental Determination of In-Medium Cluster Binding Energies and Mott Points in Nuclear Matter. Physical Review Letters, 2012, 108, 062702.	7.8	48

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19	Laboratory Tests of Low Density Astrophysical Nuclear Equations of State. Physical Review Letters, 2012, 108, 172701.	7.8	79
20	Phenomenological formula of total reaction cross sections for low-energy systems. Physical Review C, 2012, 86, .	2.9	5
21	Temperature determined by isobaric yield ratios in heavy-ion collisions. Physical Review C, 2012, 86, .	2.9	26
22	Quarter-point angle for light, weakly bound projectiles. Physical Review C, 2012, 86, .	2.9	3
23	Investigation of transverse collective flow of intermediate mass fragments. Physical Review C, 2010, 82, .	2.9	47
24	NIMRODâ€“ISIS, a versatile tool for studying the isotopic degree of freedom in heavy ion collisions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 604, 578-583.	1.6	82
25	Critical behavior in light nuclear systems: Experimental aspects. Physical Review C, 2005, 71, .	2.9	96
26	Reaction dynamics and multifragmentation in Fermi energy heavy ion reactions. Physical Review C, 2004, 69, .	2.9	75
27	Reaction mechanisms and multifragmentation processes in $^{64}\text{Zn}+^{58}\text{Ni}$ at $35\text{A}^{66}\text{79A}^{66}\text{MeV}$. Physical Review C, 2000, 62, .	2.9	41
28	Light particle probes of expansion and temperature evolution: Coalescence model analyses of heavy ion collisions at $47\text{A}^{66}\text{MeV}$. Physical Review C, 2000, 62, .	2.9	60
29	A flexible ^4He neutron detector for in-beam studies: the Texas A&M neutron ball. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 354, 487-495.	1.6	42
30	Violent collisions and multifragment final states in the $\text{Ca}40+^{40}\text{Ca}$ reaction at 35 MeV/nucleon. Physical Review C, 1994, 50, 2017-2034.	2.9	47