

Ryoichi Wada

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

814
citations

567281

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h-index

477307

29
g-index

30
all docs

30
docs citations

30
times ranked

405
citing authors

#	ARTICLE	IF	CITATIONS
1	Critical behavior in light nuclear systems: Experimental aspects. <i>Physical Review C</i> , 2005, 71, .	2.9	96
2	NIMRODâ€“ISiS, a versatile tool for studying the isotopic degree of freedom in heavy ion collisions. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 604, 578-583.	1.6	82
3	Laboratory Tests of Low Density Astrophysical Nuclear Equations of State. <i>Physical Review Letters</i> , 2012, 108, 172701.	7.8	79
4	Reaction dynamics and multifragmentation in Fermi energy heavy ion reactions. <i>Physical Review C</i> , 2004, 69, .	2.9	75
5	Light particle probes of expansion and temperature evolution: Coalescence model analyses of heavy ion collisions at 7 Aâ€“MeV. <i>Physical Review C</i> , 2000, 62, .	2.9	60
6	Experimental Determination of In-Medium Cluster Binding Energies and Mott Points in Nuclear Matter. <i>Physical Review Letters</i> , 2012, 108, 062702.	7.8	48
7	Violent collisions and multifragment final states in the Ca40+40Ca reaction at 35 MeV/nucleon. <i>Physical Review C</i> , 1994, 50, 2017-2034.	2.9	47
8	Investigation of transverse collective flow of intermediate mass fragments. <i>Physical Review C</i> , 2010, 82, .	2.9	47
9	A flexible 4Ï€ neutron detector for in-beam studies: the Texas A&M neutron ball. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1995, 354, 487-495.	1.6	42
10	Reaction mechanisms and multifragmentation processes in ⁶⁴ Zn+ ⁵⁸ Ni at 35 Aâ€“MeV. <i>Physical Review C</i> , 2000, 62, .	2.9	41
11	Temperature determined by isobaric yield ratios in heavy-ion collisions. <i>Physical Review C</i> , 2012, 86, .	2.9	26
12	Evidence for prevalent Z = 6 magic number in neutron-rich carbon isotopes. <i>Nature Communications</i> , 2018, 9, 1594.	12.8	24
13	Primary isotope yields and characteristic properties of the fragmenting source in heavy-ion reactions near the Fermi energy. <i>Physical Review C</i> , 2014, 90, .	2.9	20
14	Examination of evidence for resonances at high excitation energy in the $\gamma_{1\pm}$ disassembly of ²⁸ Si. <i>Physical Review C</i> , 2019, 99, .	2.9	19
15	Experimental reconstruction of primary hot isotopes and characteristic properties of the fragmenting source in heavy-ion reactions near the Fermi energy. <i>Physical Review C</i> , 2014, 90, .	2.9	18
16	Experimental reconstruction of excitation energies of primary hot isotopes in heavy ion collisions near the Fermi energy. <i>Physical Review C</i> , 2013, 88, .	2.9	15
17	Nuclear stopping and light charged particle emission in C12+C12 at 95 MeV/nucleon. <i>Physical Review C</i> , 2017, 95, .	2.9	14
18	Experimental liquid-gas phase transition signals and reaction dynamics. <i>Physical Review C</i> , 2019, 99, .	2.9	13

#	ARTICLE	IF	CITATIONS
19	High-energy proton emission and Fermi motion in intermediate-energy heavy-ion collisions. Physical Review C, 2016, 94, .	2.9	12
20	Mass dependence of transverse flow in heavy ion collisions at intermediate energies. Physical Review C, 2014, 90, .	2.9	8
21	Investigation of equation of state and in-medium $\langle \sigma_{\text{eff}} \rangle$ sections through nuclear stopping. Physical Review C, 2014, 89, .	2.9	2
22	Phenomenological formula of total reaction cross sections for low-energy systems. Physical Review C, 2012, 86, .	2.9	5
23	Quarter-point angle for light, weakly bound projectiles. Physical Review C, 2012, 86, .	2.9	3
24	Isoscaling and nuclear reaction dynamics. Physical Review C, 2020, 101, .	2.9	3
25	Isotopic equilibrium constants for very low-density and low-temperature nuclear matter. Physical Review C, 2020, 102, .	2.9	3
26	Correlation between time and angular alignment in molecular dynamics simulations of heavy ion collisions. Physical Review C, 2020, 102, .	2.9	3
27	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
28	Abnormal flow of \hat{I}_{\pm} particles in heavy-ion collisions at intermediate energies. Physical Review C, 2021, 103, .	2.9	1
29	Experimental investigation of abnormal transverse flow enhancement of \hat{I}_{\pm} particles in heavy-ion collisions. Physical Review C, 2021, 104, .	2.9	1
30	Thick target neutron yields from Beryllium, Carbon, Tungsten, and Lead targets irradiated by 26.7 MeV/nucleon $^{191}\text{Ir}^{4+}$ ions. Nuclear Instruments & Methods in Physics Research B, 2022, 516, 48-54.	1.4	0