

Akira Iwamoto

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,056
citations

840776

11
h-index

996975

15
g-index

20
all docs

20
docs citations

20
times ranked

657
citing authors

#	ARTICLE	IF	CITATIONS
1	Heavy-element fission barriers. <i>Physical Review C</i> , 2009, 79, .	2.9	357
2	Nuclear fission modes and fragment mass asymmetries in a five-dimensional deformation space. <i>Nature</i> , 2001, 409, 785-790.	27.8	269
3	Quantum molecular dynamics approach to the nuclear matter below the saturation density. <i>Physical Review C</i> , 1998, 57, 655-665.	2.9	97
4	Microscopic calculation of friction in heavy ion reaction using linear response theory. <i>Zeitschrift für Physik A</i> , 1978, 288, 383-390.	1.4	65
5	Contrasting fission potential-energy structure of actinides and mercury isotopes. <i>Physical Review C</i> , 2012, 86, .	2.9	61
6	Existence of a one-body barrier revealed in deep subbarrier fusion. <i>Physical Review C</i> , 2007, 75, .	2.9	60
7	Systematics of threshold incident energy for deep sub-barrier fusion hindrance. <i>Physical Review C</i> , 2007, 75, .	2.9	47
8	Kinetics in sub-barrier fusion of spherical nuclei. <i>Physical Review C</i> , 2000, 61, .	2.9	24
9	Quantum molecular dynamics simulation of expanding nuclear matter and nuclear multifragmentation. <i>Physical Review C</i> , 2001, 63, .	2.9	22
10	Origin of the narrow, single peak in the fission-fragment mass distribution for Fm258. <i>Physical Review C</i> , 2009, 79, .	2.9	20
11	Spontaneous Fission: A Kinetic Approach. <i>Physical Review Letters</i> , 1997, 78, 187-190.	7.8	17
12	Statistical properties of quasiparticle spectra in deformed nuclei. <i>Physical Review C</i> , 1999, 59, 215-220.	2.9	7
13	Fission mechanism inferred from nuclear shape fluctuation by the Langevin equation. <i>Physical Review C</i> , 2022, 105, .	2.9	3
14	Calculations of Branching Ratios for Radiative-Capture, One-Proton, and Two-Neutron Channels in the Fusion Reaction $^{209}\text{Bi} + ^{70}\text{Zn}$. <i>Journal of the Physical Society of Japan</i> , 2010, 79, 074201.	1.6	2
15	Charge Radii in Macroscopic-Microscopic Mass Models. , 2015, , .		2
16	Vlasov treatment of spontaneous fission and sub-barrier fusion. , 1998, , .		1
17	Fission and Fusion at the End of the Periodic System. <i>Progress of Theoretical Physics Supplement</i> , 2004, 154, 21-30.	0.1	1
18	Existence of a one-body barrier revealed in deep subbarrier fusion. , 2009, , .		1

#	ARTICLE	IF	CITATIONS
19	First Order Phase Transition of Expanding Matter and Its Fragmentation. Acta Physica Hungarica A Heavy Ion Physics, 2003, 18, 427-432.	0.4	0
20	A KEK-JAERI JOINT RNB PROJECT. , 2003, , .		0