

Hidetada Baba

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

2,057
citations

279798

23
h-index

233421

45
g-index

53
all docs

53
docs citations

53
times ranked

1409
citing authors

#	ARTICLE	IF	CITATIONS
1	A first glimpse at the shell structure beyond 54Ca: Spectroscopy of 55K, 55Ca, and 57Ca. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 827, 136953.	4.1	4
2	Border of the island of inversion: Unbound states in ^{29}Ne . Physical Review C, 2022, 105, .	2.9	2
3	Indirect method to estimate the deadtime of a data acquisition system as a function of the data size. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, , 166823.	1.6	0
4	Symmetry energy investigation with pion production from Sn+Sn systems. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 813, 136016.	4.1	40
5	Observation of new neutron-rich isotopes in the vicinity of ^{110}Zr . Physical Review C, 2021, 103, .	2.9	7
6	Probing the Symmetry Energy with the Spectral Pion Ratio. Physical Review Letters, 2021, 126, 162701.	7.8	95
7	\hat{I}^2 -delayed neutron emission of r-process nuclei at the $N=82$ shell closure. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 816, 136266.	4.1	21
8	The S _{RIT} time projection chamber. Review of Scientific Instruments, 2021, 92, 063302.	1.3	6
9	First spectroscopic study of ^{63}V at the $N=40$ shell closure. Physical Review C, 2021, 103, .	2.9	4
10	Spectroscopy of ^{33}Mg with knockout reactions. Physical Review C, 2021, 103, .	2.9	6
11	Isomeric states in neutron-rich nuclei near ^{40}N . Physical Review C, 2021, 104, .	2.9	6
12	MPV ² Parallel Readout Architecture for the VME Data Acquisition System. IEEE Transactions on Nuclear Science, 2021, 68, 1841-1848.	2.0	1
13	Rapidity distributions of ^{1}Z isotopes and the nuclear symmetry energy from Sn+Sn collisions with radioactive beams at 270 MeV/nucleon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 822, 136681.	4.1	5
14	Shell evolution of ^{40}N isotones towards 60Ca: First spectroscopy of ^{62}Ti . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135071.	4.1	32
15	Fragmentation of Single-Particle Strength around the Doubly Magic Nucleus ^{62}Ti . Physical Review Letters, 2020, 125, 162701.	7.8	23
16	Fragmentation of Single-Particle Strength around the Doubly Magic Nucleus ^{62}Ti . Physical Review Letters, 2020, 125, 162701.	7.8	12
17	Fragmentation of Single-Particle Strength around the Doubly Magic Nucleus ^{62}Ti . Physical Review Letters, 2020, 125, 162701.	2.9	23
18	Inclusive cross sections for one- and multi-nucleon removal from Sn, Sb, and Te projectiles beyond the $N=82$ shell closure. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 356-361.	4.1	4

#	ARTICLE	IF	CITATIONS
19	one-neutron emission from two-neutron unbound states in ^{12}C decays of the ^{12}C process nuclei	2.9	13
20	^{78}Ni revealed as a doubly magic stronghold against nuclear deformation. Nature, 2019, 569, 53-58.	27.8	120
21	First spectroscopy of ^{61}Ti and the transition to the Island of Inversion at $N=40$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 16-20.	4.1	8
22	Commissioning of the BRIKEN detector for the measurement of very exotic ^{12}C -delayed neutron emitters. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Spectroscopy, 2015, 705, 1-3.	1.6	23
23	^{32}Ne formed by proton knockout reactions. Physical Review C, 2019, 99, .	2.9	17
24	Observation of New Neutron-rich Isotopes among Fission Fragments from In-flight Fission of ^{238}U : Search for New Isotopes Conducted Concurrently with Decay Measurement Campaigns. Journal of the Physical Society of Japan, 2018, 87, 014203.	1.6	25
25	GET: A generic electronics system for TPCs and nuclear physics instrumentation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 887, 81-93.	1.6	81
26	Application of the Generic Electronics for Time Projection Chamber (GET) readout system for heavy Radioactive isotope collision experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 899, 43-48.	1.6	12
27	First Mass Measurements of ^{54}Ca :	7.8	89
28	The BRIKEN Project: Extensive Measurements of β -delayed Neutron Emitters for the Astrophysical r Process. Acta Physica Polonica B, 2018, 49, 417.	0.8	16
29	Sharaq Spectrometer: High-resolution Spectroscopy Using Exotic Beams And Reactions. , 2017, , .		2
30	Proton-hole and core-excited states in the semi-magic nucleus ^{131}In . European Physical Journal A, 2016, 52, 1.	2.5	9
31	Mapping the deformation in the β -island of Inversion: Inelastic scattering of ^{30}Ne and ^{30}Mg at intermediate energies. Physical Review C, 2016, 93, .	2.9	28
32	Beam commissioning of the SËRIT time projection chamber. Journal of the Korean Physical Society, 2016, 69, 144-151.	0.7	9
33	Extension of the Island of Inversion towards $N=40$: Spectroscopy of ^{50}Ni :	7.8	77
34	Time-stamping system for nuclear physics experiments at RIKEN RIBF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 777, 75-79.	1.6	4
35	SËRIT: A time-projection chamber for symmetry-energy studies. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 780, 1-7.	1.6	66
36	Decay Half-Lives of ^{110}Ni Neutron-Rich Nuclei across the Shell Gap: Implications for the Mechanism and Universality of the Astrophysical r Process	7.8	167

