

Naoki Fukuda

List of Publications by Year in descending order

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20
papers

1,604
citations

516710

16
h-index

794594

19
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20
all docs

20
docs citations

20
times ranked

879
citing authors

#	ARTICLE	IF	CITATIONS
1	BigRIPS separator and ZeroDegree spectrometer at RIKEN RI Beam Factory. Progress of Theoretical and Experimental Physics, 2012, 2012, .	6.6	219
2	Quadrupole deformation of ^{12}Be studied by proton inelastic scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 481, 7-13.	4.1	187
3	Identification and separation of radioactive isotope beams by the BigRIPS separator at the RIKEN RI Beam Factory. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 323-332.	1.4	180
4	Delay-line PPAC for high-energy light ions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 470, 562-570.	1.6	165
5	Low-lying intruder $1\hat{a}^{\prime\prime}$ state in ^{12}Be and the melting of the $N=8$ shell closure. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 491, 8-14.	4.1	161
6	Identification of 45 New Neutron-Rich Isotopes Produced by In-Flight Fission of a ^{238}U Beam at 345 MeV/nucleon. Journal of the Physical Society of Japan, 2010, 79, 073201.	1.6	160
7	Identification of New Isotopes ^{125}Pd and ^{126}Pd Produced by In-Flight Fission of 345 MeV/nucleon ^{238}U : First Results from the RIKEN RI Beam Factory. Journal of the Physical Society of Japan, 2008, 77, 083201.	1.6	104
8	Magic Nature of Neutrons in ^{54}Ca . $\text{http://www.w3.org/1998/Math/MathML}$ display="inline" <math>\langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Ca} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 54 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle :	7.8	89
9	First Mass Measurements of ^{60}Ca . $\text{http://www.w3.org/1998/Math/MathML}$ display="inline" <math>\langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Ca} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 60 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle and Implications For the Stability of ^{60}Ca . $\text{http://www.w3.org/1998/Math/MathML}$ display="inline" <math>\langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Ca} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 60 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle	7.8	73
10	Status and Overview of Superconducting Radioactive Isotope Beam Separator BigRIPS at RIKEN. IEEE Transactions on Applied Superconductivity, 2007, 17, 1069-1077.	1.7	56
11	Development of Parallel Plate Avalanche Counter (PPAC) for BigRIPS fragment separator. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 717-727.	1.4	42
12	Energy resolution of gas ionization chamber for high-energy heavy ions. Japanese Journal of Applied Physics, 2014, 53, 016401.	1.5	42
13	Identification of New Neutron-Rich Isotopes in the Rare-Earth Region Produced by 345 MeV/nucleon ^{238}U . Journal of the Physical Society of Japan, 2018, 87, 014202.	1.6	36
14	Observation of New Neutron-rich Isotopes among Fission Fragments from In-flight Fission of 345 MeV/nucleon ^{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
15	Observation of new neutron-rich ^{62}Ti . $\text{http://www.w3.org/1998/Math/MathML}$ display="inline" <math>\langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Ti} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 62 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle, Physical Review Letters, 2020, 125, 252501.	7.8	23
16	Observation of new neutron-rich Mn, Fe, Co, Ni, and Cu isotopes in the vicinity of ^{78}Ni . $\text{http://www.w3.org/1998/Math/MathML}$ <math>\langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Ni} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 78 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle. Physical Review C, 2017, 95, .	2.9	21
17	SHARAQ spectrometer for high-resolution studies for RI-induced reactions. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 305-310.	1.4	14
18	Experimental studies of the two-step scheme with an intense radioactive ^{132}Sn beam for next-generation production of very neutron-rich nuclei. Physical Review C, 2020, 102, .	2.9	4

#	ARTICLE	IF	CITATIONS
19	Sharaq Spectrometer: High-resolution Spectroscopy Using Exotic Beams And Reactions. , 2017, , .		2
20	First success of RI-beam separation and particle identification for nuclei with atomic number $Z > 82$ at RIKEN RI beam factory. Nuclear Instruments & Methods in Physics Research B, 2020, 463, 237-240.	14	1