

Joonas Konki

List of Publications by Year in descending order

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103
papers

1,353
citations

471509

17
h-index

414414

32
g-index

110
all docs

110
docs citations

110
times ranked

951
citing authors

#	ARTICLE	IF	CITATIONS
1	Studies of pear-shaped nuclei using accelerated radioactive beams. Nature, 2013, 497, 199-204.	27.8	268
2	Evidence for a Smooth Onset of Deformation in the Neutron-Rich Kr Isotopes. Physical Review Letters, 2012, 108, 062701.	7.8	69
3	Single Deformation in Radium Nuclei from Coulomb Excitation of Radioactive Ra^{222}	7.8	50
4	Evidence of chiral bands in even-even nuclei. Physical Review C, 2018, 97, .	2.9	49
5	Shape dynamics in neutron-rich Kr isotopes: Coulomb excitation of 92Kr, 94Kr and 96Kr. Nuclear Physics A, 2013, 899, 1-28.	1.5	40
6	Decay and Fission Hindrance of Two- and Four-Quasiparticle Isomers in K^{254}	7.8	36
7	Experimental study of sound states in Rf^{254} The SAGE spectrometer. European Physical Journal A, 2014, 50, 1.	2.5	34
8	The observation of vibrating pear-shapes in radon nuclei. Nature Communications, 2019, 10, 2473.	12.8	32
9	Single-neutron orbits near 78 Ni: Spectroscopy of the N^{49} isotope	4.1	27
10	Experimental study of sound states in Be^{12} through low-energy Be^{11}		

#	ARTICLE	IF	CITATIONS
19	https://doi.org/10.1103/PhysRevC.99.044601 Spectroscopy of ^{46}Ca by the α -particle induced α -decay of ^{46}Ca . Physical Review C, 2019, 99, .	2.9	17
20	https://doi.org/10.1103/PhysRevC.96.024301 Identification of the crossing point at $N=2$ between normal and intruder configurations. Physical Review C, 2017, 95, .	2.9	21
21	https://doi.org/10.1103/PhysRevC.99.044601 Soft to stable triaxiality in ^{13}Nd . Physical Review C, 2019, 99, .	2.9	16
22	https://doi.org/10.1103/PhysRevC.99.044601 -spectroscopy studies of the new nuclides ^{165}Pt and ^{165}Hg . Physical Review C, 2019, 100, .	2.9	16
23	https://doi.org/10.1103/PhysRevC.99.044601 Observation of a shears band and the α -decay of ^{201}Lu . Physical Review C, 2019, 100, .	2.9	15
24	https://doi.org/10.1103/PhysRevC.99.044601 Evolution of deformation in neutron-rich Ba isotopes up to $Z=29$. Physical Review C, 2018, 97, .	2.9	15
25	https://doi.org/10.1103/PhysRevC.99.044601 Oblately deformed isomeric proton-emitting state in ^{150}Lu . Physical Review C, 2019, 99, .	2.9	14
26	https://doi.org/10.1103/PhysRevC.91.044301 Beta-delayed proton emission from ^{20}Mg . European Physical Journal A, 2016, 52, 1.	2.5	14
27	https://doi.org/10.1103/PhysRevC.99.044601 β^2 decay studies of n-rich Cs isotopes with the ISOLDE Decay Station. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 054002.	3.6	14
28	https://doi.org/10.1103/PhysRevC.101.014301 Stability of the heaviest elements: K isomer in No250. Physical Review C, 2020, 101, .	2.9	14
29	https://doi.org/10.1103/PhysRevC.99.044601 Spectroscopy of proton-rich ^{66}Se up to $J^\pi = 1^+$. Physical Review C, 2013, 88, .	2.9	13
30	https://doi.org/10.1103/PhysRevC.99.044601 Isospin-breaking effect in the $^{13}\text{J}^\pi$ of ^{13}C . Physical Review C, 2013, 88, .	2.9	13
31	https://doi.org/10.1103/PhysRevC.99.044601 Confirmation of the new isotope ^{178}Pb . Physical Review C, 2016, 94, .	2.9	12
32	https://doi.org/10.1103/PhysRevC.99.044601 Exploring the boundaries of the nuclear landscape: β^\pm -decay properties of ^{211}Pa . Physical Review C, 2020, 102, .	2.9	12
33	https://doi.org/10.1103/PhysRevC.99.044601 First Study on Nihonium (Nh, Element 113) Chemistry at TASCA. Frontiers in Chemistry, 2021, 9, 753738.	3.6	12
34	https://doi.org/10.1103/PhysRevC.99.044601 The SPEDE spectrometer. European Physical Journal A, 2018, 54, 1.	2.5	11
35	https://doi.org/10.1103/PhysRevC.99.044601 Normal and intruder configurations in ^{34}Si populated in the β^\pm -decay of ^{34}Si . Physical Review C, 2019, 99, .	2.9	11
36	https://doi.org/10.1103/PhysRevC.99.044601 Competition between Allowed and First-Forbidden β^\pm -Decay: The Case of ^{208}Tl . Physical Review C, 2019, 99, .	7.8	11

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37	Enhancing the sensitivity of recoil-beta tagging. Journal of Instrumentation, 2013, 8, P04025-P04025.	1.2	10
38	Multiple chiral bands in ^{137}Nd . European Physical Journal A, 2020, 56, 1.	2.5	10
39	Isomer-tagged differential-plunger measurements in ^{136}Xe . Physical Review C, 2016, 93, 054307.	2.9	9
40	Prompt and delayed spectroscopy of ^{136}Xe . Physical Review C, 2016, 93, 054307.	2.9	9
41	De-excitation of the strongly coupled band in ^{177}Au and implications for core intruder configurations in the light Hg isotopes. Physical Review C, 2017, 95, .	2.9	9
42	Online chemical adsorption studies of Hg, Tl, and Pb on SiO_2 and Au surfaces in preparation for chemical investigations on Cn, Nh, and Fl at TASCA. Radiochimica Acta, 2018, 106, 949-962.	1.2	9
43	Shape coexistence in ^{178}Hg . Physical Review C, 2019, 99, .	2.9	9
44	\hat{I}^2 decay of ^{133}In : \hat{I}^3 emission from neutron-unbound states in ^{133}Sn . Physical Review C, 2019, 99, .	2.9	9
45	Addendum: The observation of vibrating pear-shapes in radon nuclei. Nature Communications, 2020, 11, 3560.	12.8	9
46	Collectivity in the light radon nuclei measured directly via Coulomb excitation. Physical Review C, 2015, 91, .	2.9	8
47	Collective $2^+ 1^-$ excitations in ^{206}Po and $^{208,210}\text{Rn}$. European Physical Journal A, 2016, 52, 1.	2.5	8
48	Fast-timing study of the l -forbidden $2^+ 1^-$ excitations in ^{206}Po . Physical Review C, 2016, 93, .	2.9	8
49	Spin-dependent evolution of collectivity in ^{209}Te . Physical Review C, 2017, 96, .	2.9	8
50	Production cross section and decay study of ^{243}Es and ^{249}Md . Physical Review C, 2019, 99, .	2.9	8
51	Experimental study of isomeric intruder 12^+ states in $^{197,203}\text{At}$. Physical Review C, 2017, 95, .	2.9	7
52	Prompt and delayed spectroscopy of ^{203}At : Observation of a shears band and a 12^+ isomeric state. Physical Review C, 2018, 97, .	2.9	7
53	Collective rotation of an oblate nucleus at very high spin. Physical Review C, 2019, 99, .	2.9	7
54	Population of a low-spin positive-parity band from high-spin intruder states in ^{177}Au : The two-state mixing effect. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 806, 135488.	4.1	7

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55	Coulomb excitation of ^{222}Rn . Physical Review C, 2022, 105, .	2.9	7
56	Comparison of gamma-ray coincidence and low-background gamma-ray singles spectrometry. Applied Radiation and Isotopes, 2012, 70, 392-396.	1.5	6
57	Combined in-beam gamma-ray and conversion electron spectroscopy with radioactive ion beams. EPJ Web of Conferences, 2013, 63, 01019.	0.3	6
58	Recoil-decay tagging spectroscopy of ^{216}Po . Physical Review C, 2015, 92, .	2.9	6
59	Deformation of the proton emitter ^{113}Cs from electromagnetic transition and proton-emission rates. Physical Review C, 2016, 94, .	2.9	6
60	Investigation of the ^{17}N selection rule in Gamow-Teller transitions: The β^- -decay of ^{207}Hg . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 271-275.	4.1	6
61	In-beam β^- -ray and electron spectroscopy of ^{249}Md . Physical Review C, 2020, 102, .	2.9	6
62	Coulomb excitation of re-accelerated ^{208}Rn and ^{206}Po beams. EPJ Web of Conferences, 2013, 63, 01009.	0.3	5
63	Identification of the 1^+ state in ^{218}Ra populated via β^- decay of ^{222}Th . Physical Review C, 2016, 94, .	2.9	5
64	Lifetime measurements of excited states in ^{162}W and ^{164}W and ^{155}W and ^{164}W using the SAGE spectrometer. European Physical Journal A, 2017, 53, 1.	2.9	5
65	In-beam study of ^{253}No using the SAGE spectrometer. European Physical Journal A, 2017, 53, 1.	2.5	5
66	First Accurate Normalization of the β^- -delayed 1^+ Decay of ^{16}N and Implications for the $^{12}\text{C}(1^+,1^3)\text{O}16$ Astrophysical Reaction Rate. Physical Review Letters, 2018, 121, 142701.	7.8	5
67	Fine structure in the 1^+ decay of high-spin isomers in ^{162}Lu and ^{164}Lu . Physical Review C, 2019, 100, .	2.9	5
68	1^+ -decay spectroscopy of the N=130 isotones ^{218}Ra and ^{220}Th : Mitigation of 1^+ -particle energy summing with implanted nuclei. Physical Review C, 2019, 100, .	2.9	5
69	^{221}Ac and ^{225}Pa from ^{225}Ac . Physical Review C, 2012, 85, 055201.	2.9	5
70	Lessons learned with the SAGE spectrometer. Physica Scripta, 2012, 85, 055201.	2.5	4
71	Excited states in the proton-unbound nuclide ^{158}Ta . Physical Review C, 2016, 93, .	2.9	4
72	Study of bound states in ^{10}Be by one neutron removal reactions of ^{11}Be . Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 044009.	3.6	4

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73	A Geant4 simulation package for the SAGE spectrometer. Journal of Physics: Conference Series, 2012, 381, 012051.	0.4	3
74	Competing single-particle and collective states in the low-energy structure of ^{113}In . Physical Review C, 2013, 88, .	2.9	3
75	First identification of rotational band structures in ^{175}Re . Physical Review C, 2015, 92, .	2.9	3
76	Collectivity in $^{196,198}\text{Pb}$ isotopes probed in Coulomb-excitation experiments at REX-ISOLDE. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 064009.	3.6	3
77	Decay spectroscopy of ^{217}Pb and evidence for a $9/2^+$ intruder state in ^{217}Tl . Physical Review C, 2017, 96, .	2.9	3
78	Decay studies of the long-lived states in ^{186}Tl . Physical Review C, 2020, 102, .	2.9	3
79	Isomeric $13/2^+$ state in ^{201}Fr . Physical Review C, 2020, 101, .	2.9	3
80	Identification of sub- $1/4^+$ isomeric states in the odd-odd nucleus ^{178}Au . Physical Review C, 2021, 103, .	2.9	3
81	Commissioning of the SPEDE Spectrometer with Stable Beams. Acta Physica Polonica B, 2017, 48, 403.	0.8	3
82	First observation of high-K isomeric states in ^{249}Md and ^{251}Md . European Physical Journal A, 2021, 57, 1.	2.5	3
83	Spectroscopy of ^{161}Hf from low to high spin. Physical Review C, 2014, 90, .	2.9	2
84	Determination of the $B(E3, 0^+ \rightarrow 3^+)$ -excitation strength in octupole-correlated nuclei near ^{224}Ac by the means of Coulomb excitation at REX-ISOLDE. Journal of Physics: Conference Series, 2014, 533, 012007.	0.4	2
85	Shapes and Collectivity in Neutron Deficient Even-Mass $^{188-198}\text{Pb}$ Isotopes. , 2015, , .		2
86	Simulation of the SAGE spectrometer. European Physical Journal A, 2015, 51, 1.	2.5	2
87	Lifetime measurements in ^{166}Re : Collective versus magnetic rotation. Physical Review C, 2016, 93, .	2.9	2
88	Determination of absolute internal conversion coefficients using the SAGE spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 812, 24-32.	1.6	2
89	Decay of a 19^+ isomeric state in ^{156}Lu . Physical Review C, 2018, 98, .	2.9	2
90	Identification of a 6.6^+ isomeric state in ^{175}Ir . Physical Review C, 2019, 99, .	2.9	2

#	ARTICLE	IF	CITATIONS
91	A time-of-flight correction procedure for fast-timing data of recoils with varying implantation positions at a spectrometer focal plane. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 933, 18-29.	1.6	2
92	Excited states in ^{217}Ra populated in the ^{217}Ra decay of ^{217}Th . Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 095103.	2.9	2
93	High-spin states of ^{218}Th . Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 095103.	3.6	2
94	TRANSMISSION EFFICIENCY OF THE SAGE SPECTROMETER USING GEANT4. , 2013, , .		1
95	In-beam spectroscopic study of ^{244}Cf isomeric ^{244}Cf states. Physical Review C, 2018, 97, .	2.9	1
96	Isomeric ^{244}Cf states. Physical Review C, 2021, 103, .	2.9	1
97	Spectroscopy of low-lying states in neutron-deficient astatine and francium nuclei. AIP Conference Proceedings, 2015, , .	0.4	0
98	Do nuclei go pear-shaped? Coulomb excitation of ^{220}Rn and ^{224}Ra at REX-ISOLDE (CERN). EPJ Web of Conferences, 2015, 93, 01038.	0.3	0
99	Lifetime measurements of lowest states in the ^{244}Cf rotational band in ^{244}Cf . Physical Review C, 2018, 98, .	2.9	0
100	Fine structure in the \hat{I}^{\pm} decay of ^{156}Lu and ^{158}Ta . Physical Review C, 2019, 99, .	2.9	0
101	Coulomb excitation of pear-shaped nuclei. EPJ Web of Conferences, 2019, 223, 01007.	0.3	0
102	Single-particle and collective excitations in the transitional nucleus ^{166}Os . Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 125101.	3.6	0
103	Investigation into the Effects of Deformation on Proton Emission Rates via Lifetime Measurements. , 2015, , .		0