

Joonas Konki

List of Publications by Year in descending order

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103
papers

1,353
citations

471509

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110
all docs

110
docs citations

110
times ranked

951
citing authors

#	ARTICLE	IF	CITATIONS
1	Coulomb excitation of Rn Single-particle states and parity doublets in odd- Z nuclei. Physical Review C, 2022, 105, 222. https://doi.org/10.1103/PhysRevC.105.222	2.9	7
2	Ac and Pa from $Z=221$ and $Z=225$ nuclei. Physical Review C, 2021, 103, 221. https://doi.org/10.1103/PhysRevC.103.221	2.9	5
3	isomeric states in the odd-odd nucleus Au . Physical Review C, 2021, 103, 225. https://doi.org/10.1103/PhysRevC.103.225	2.9	3
4	^{13}C and ^{13}N nuclei. Physical Review C, 2021, 103, 222. https://doi.org/10.1103/PhysRevC.103.222	2.9	1
5	Single-particle and collective excitations in the transitional nucleus ^{166}O . Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 125101. https://doi.org/10.1088/0954-3897/48/12/125101	3.6	0
6	First Study on Nihonium (Nh, Element 113) Chemistry at TASCA. Frontiers in Chemistry, 2021, 9, 753738. https://doi.org/10.3389/fchem.2021.753738	3.6	12
7	First observation of high-K isomeric states in ^{249}Md and ^{251}Md . European Physical Journal A, 2021, 57, 1. https://doi.org/10.1140/epja/i2021-13001-1	2.5	3
8	Stability of the heaviest elements: K isomer in No250. Physical Review C, 2020, 101, . https://doi.org/10.1103/PhysRevC.101.014301	2.9	14
9	In-beam \hat{p}^3 -ray and electron spectroscopy of $Md_{249,251}$. Physical Review C, 2020, 102, . https://doi.org/10.1103/PhysRevC.102.014301	2.9	6
10	Addendum: The observation of vibrating pear-shapes in radon nuclei. Nature Communications, 2020, 11, 3560. https://doi.org/10.1038/s41467-020-1838-4	12.8	9
11	Exploring the boundaries of the nuclear landscape: \hat{p}^3 -decay properties of Pa nuclei. Physical Review C, 2020, 102, 211. https://doi.org/10.1103/PhysRevC.102.024301	2.9	12
12	Multiple chiral bands in ^{137}Nd . European Physical Journal A, 2020, 56, 1. https://doi.org/10.1140/epja/i2020-13001-1	2.5	10
13	Decay studies of the long-lived states in Tl . Physical Review C, 2020, 102, 186. https://doi.org/10.1103/PhysRevC.102.024301	2.9	3
14	Excited states in Ra populated in the \hat{p}^3 decay of ^{217}Fr . Physical Review C, 2020, 102, 217. https://doi.org/10.1103/PhysRevC.102.024301	2.9	2
15	Decay of ^{208}Hg . Physical Review C, 2020, 102, 208. https://doi.org/10.1103/PhysRevC.102.024301	7.8	11
16	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. https://doi.org/10.1016/j.physletb.2020.135488	4.1	7
17	Isomeric $13/2^+$ state in Fr_{201} . Physical Review C, 2020, 101, . https://doi.org/10.1103/PhysRevC.101.014301	2.9	3
18	Evolution of Octupole Deformation in Radium Nuclei from Coulomb Excitation of Radioactive ^{222}Rn . Physical Review C, 2020, 102, 222. https://doi.org/10.1103/PhysRevC.102.024301	7.8	50

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19	High-spin states of ^{218}Th . Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 095103.	3.6	2
20	Chirality of Nd reexamined: Evidence for multiple chiral doublet bands. Physical Review C, 2019, 100, .	2.9	19
21	Identification of a $6.6\hat{1}/4s$ isomeric state in $\text{Ir}175$. Physical Review C, 2019, 99, .	2.9	2
22	Pt and Hg -spectroscopy studies of the new nuclides ^{165}Pt and ^{170}Hg . Physical Review C, 2019, 100, .	2.9	16
23	$\hat{1}\pm$ -decay spectroscopy of the $N=130$ isotones $\text{Ra}218$ and $\text{Th}220$: Mitigation of $\hat{1}\pm$ -particle energy summing with implanted nuclei. Physical Review C, 2019, 100, .	2.9	5
24	Normal and intruder configurations in Si populated in the $\hat{1}^2$ decay of Mg . Physical Review C, 2019, 99, .	2.9	11
25	The observation of vibrating pear-shapes in radon nuclei. Nature Communications, 2019, 10, 2473.	12.8	32
26	Shape coexistence in $\text{Hg}178$. Physical Review C, 2019, 99, .	2.9	9
27	Investigation of the $\hat{1}^n\hat{n}\hat{e}=\hat{a}\hat{e}^0$ selection rule in Gamow-Teller transitions: The $\hat{1}^2$ -decay of ^{207}Hg . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 271-275.	4.1	6
28	Fine structure in the $\hat{1}\pm$ decay of $\text{Lu}156$ and $\text{Ta}158$. Physical Review C, 2019, 99, .	2.9	0
29	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
30	Collective rotation of an oblate nucleus at very high spin. Physical Review C, 2019, 99, .	2.9	7
31	$\hat{1}^2$ decay of $\text{In}133$: $\hat{1}^3$ emission from neutron-unbound states in $\text{Sn}133$. Physical Review C, 2019, 99, .	2.9	9
32	Production cross section and decay study of $\text{Es}243$ and $\text{Md}249$. Physical Review C, 2019, 99, .	2.9	8
33	Coulomb excitation of pear-shaped nuclei. EPJ Web of Conferences, 2019, 223, 01007.	0.3	0
34	The SPEDE spectrometer. European Physical Journal A, 2018, 54, 1.	2.5	11
35	Prompt and delayed spectroscopy of $\text{At}203$: Observation of a shears band and a $\text{At}203$ isomeric state. Physical Review C, 2018, 97, .	2.9	7
36	Evolution of deformation in neutron-rich Ba isotopes up to $\text{Ba}150$. Physical Review C, 2018, 97, .	2.9	150

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37	In-beam spectroscopic study of ^{244}Cf . Physical Review C, 2018, 97, .	2.9	1
38	Evidence of chiral bands in even-even nuclei. Physical Review C, 2018, 97, .	2.9	49
39	First Accurate Normalization of the $^{\hat{I}^2}$ -delayed \hat{I}^{\pm} Decay of N16 and Implications for the $\text{C12}(\hat{I}^{\pm}, \hat{I}^3)\text{O16}$ Astrophysical Reaction Rate. Physical Review Letters, 2018, 121, 142701.	7.8	5
40	Lifetime measurements of lowest states in the $^{\hat{I}^2}$ rotational band in ^{136}Ba . Physical Review C, 2018, 98, .	2.9	0
41	Soft to stable triaxiality in ^{136}Ba as a prerequisite of fine structure in the $^{\hat{I}^2}$ decay of high-spin isomers in ^{136}Ba . Physical Review C, 2018, 98, .	2.9	16
42	Decay of ^{155}Lu and ^{156}Lu and ^{19}Hf isomeric state in ^{156}Lu . Physical Review C, 2018, 98, .	2.9	5
43	Decay of a ^{19}Hf isomeric state in ^{156}Lu . Physical Review C, 2018, 98, .	2.9	2
44	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
45	Towards saturation of the electron-capture delayed fission probability: The new isotopes ^{240}Es and ^{236}Bk . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 265-270.	4.1	19
46	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
47	$^{\hat{I}^2}$ 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
48	Identification of the crossing point at ^{21}N between normal and intruder configurations. Physical Review C, 2017, 95, .	2.9	21
49	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
50	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
51	Reduced transition probabilities along the yrast line in ^{166}W . Physical Review C, 2017, 96, .	2.9	18
52	Spin-dependent evolution of collectivity in ^{112}Te . Physical Review C, 2017, 96, .	2.9	8
53	Experimental study of isomeric intruder $12+$ states in $^{197,203}\text{At}$. Physical Review C, 2017, 95, .	2.9	7
54	Lifetime measurements of excited states in ^{162}W and ^{164}W . Physical Review C, 2017, 96, .	2.9	5

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55	In-beam study of ^{253}No using the SAGE spectrometer. European Physical Journal A, 2017, 53, 1.	2.5	5
56	Decay spectroscopy of $\text{Pb}97182179$ and evidence for a $9/2^+$ intruder state in $\text{Tl}98181179$. Physical Review C, 2017, 96, .	2.9	3
57	Commissioning of the SPEDE Spectrometer with Stable Beams. Acta Physica Polonica B, 2017, 48, 403.	0.8	3
58	Collective $2^+ 1$ excitations in ^{206}Po and $^{208,210}\text{Rn}$. European Physical Journal A, 2016, 52, 1.	2.5	8
59	Deformation of the proton emitter ^{113}Cs from electromagnetic transition and proton-emission rates. Physical Review C, 2016, 94, .	2.9	6
60	Beta-delayed proton emission from ^{20}Mg . European Physical Journal A, 2016, 52, 1.	2.5	14
61	Excited states in the proton-unbound nuclide ^{158}Ta . Physical Review C, 2016, 93, .	2.9	4
62	Lifetime measurements in ^{166}Re : Collective versus magnetic rotation. Physical Review C, 2016, 93, .	2.9	2
63	Fast-timing study of the forbidden $1^+ \rightarrow 2^+$ transition in ^{208}Po . Physical Review C, 2016, 93, .	2.9	8
64	Spectroscopy of ^{46}Ar by the $^{46}\text{Ar}(t, \alpha)^{46}\text{K}$ reaction. Physical Review C, 2016, 93, .	2.9	17
65	Shell structure of ^{70}Kr and isospin symmetry in the $^{70}\text{Kr}(t, \alpha)^{70}\text{Br}$ reaction. Physical Review C, 2016, 94, .	2.9	9
66	Confirmation of the new isotope ^{178}Pb . Physical Review C, 2016, 94, .	2.9	12
67	Identification of the $1^+ \rightarrow 2^+$ state in ^{218}Ra populated via α decay of ^{222}Th . Physical Review C, 2016, 94, .	2.9	5
68	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
69	First identification of rotational band structures in ^{91}Re . Physical Review C, 2015, 92, .	2.9	3
70	Recoil-decay tagging spectroscopy of ^{74}W . Physical Review C, 2015, 92, .	2.9	6
71	Lifetime measurement of the first excited 2^+ state in ^{112}Te . Physical Review C, 2015, 91, .	2.9	20
72	Collectivity in the light radon nuclei measured directly via Coulomb excitation. Physical Review C, 2015, 91, .	2.9	8

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73	Deformation and mixing of coexisting shapes in neutron-deficient polonium isotopes. Physical Review C, 2015, 92, 044307. Decay and Fission Hindrance of Two- and Four-Quasiparticle Isomers in K^π Isomers in Rf and Rb . Physical Review Letters, 2015, 115, 172501.	2.9	25
74	Isomers in Rf and Rb . Physical Review Letters, 2015, 115, 172501.	7.8	36
75	The Cornerstone of the Region of Deformation around $A \approx 188$ – 198 Pb Isotopes. Physical Review Letters, 2015, 115, 172501.	7.8	18
76	Spectroscopy of low-lying states in neutron-deficient astatine and francium nuclei. AIP Conference Proceedings, 2015, , .	0.4	0
77	Shapes and Collectivity in Neutron Deficient Even-Mass $^{188-198}$ Pb Isotopes. , 2015, , .		2
78	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
79	Oblately deformed isomeric proton-emitting state in ^{151}Lu . Physical Review Letters, 2015, 115, 172501.	2.9	14
80	Spectroscopy of ^{201}At including the observation of a shears band and the ^{201}At single-neutron orbits near ^{78}Ni . Spectroscopy of the ^{201}At isotope. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 298-302.	2.9	15
81	Simulation of the SAGE spectrometer. European Physical Journal A, 2015, 51, 1.	4.1	27
82	Simulation of the SAGE spectrometer. European Physical Journal A, 2015, 51, 1.	2.5	2
83	Investigation into the Effects of Deformation on Proton Emission Rates via Lifetime Measurements. , 2015, , .		0
84	Spectroscopy of ^{161}Hf from low to high spin. Physical Review C, 2014, 90, .	2.9	2
85	Experimental study of ^{161}Hf from low to high spin. Physical Review C, 2014, 90, .	2.9	2
86	Spectroscopy on the proton drip-line: Probing the structure dependence of isospin nonconserving interactions. Physical Review C, 2014, 90, .	2.9	17
87	The SAGE spectrometer. European Physical Journal A, 2014, 50, 1.	2.5	34
88	Determination of the $B(E3, 0^+ \rightarrow 3^+)$ -excitation strength in octupole-correlated nuclei near $A \approx 224$ by the means of Coulomb excitation at REX-ISOLDE. Journal of Physics: Conference Series, 2014, 533, 012007.	0.4	2
89	Proton emission from an oblate nucleus ^{151}Lu . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 79-84.	4.1	25
90	Isomer-tagged differential-plunger measurements in ^{54}Xe . Physical Review C, 2013, 87, .	2.9	9

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91	Shape dynamics in neutron-rich Kr isotopes: Coulomb excitation of ^{92}Kr , ^{94}Kr and ^{96}Kr . Nuclear Physics A, 2013, 899, 1-28.	1.5	40
92	Studies of pear-shaped nuclei using accelerated radioactive beams. Nature, 2013, 497, 199-204.	27.8	268
93	TRANSMISSION EFFICIENCY OF THE SAGE SPECTROMETER USING GEANT4. , 2013, , . Experimental study of bound states in ^{12}Be through		1
94	low-energy ^{11}Be through		