

Filip Kondev

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6973308/publications.pdf>

Version: 2024-02-01

145
papers

3,754
citations

172457

29
h-index

144013

57
g-index

147
all docs

147
docs citations

147
times ranked

1619
citing authors

#	ARTICLE	IF	CITATIONS
1	The AME 2020 atomic mass evaluation (II). Tables, graphs and references*. Chinese Physics C, 2021, 45, 030003.	3.7	565
2	The NUBASE2020 evaluation of nuclear physics properties *. Chinese Physics C, 2021, 45, 030001.	3.7	310
3	Structure of $^{52,54}\text{Ti}$ and shell closures in neutron-rich nuclei above ^{48}Ca . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 546, 55-62.	4.1	176
4	Reduced transition probabilities to the first 2^+ state in $^{52,54,56}\text{Ti}$ and development of shell closures at $N=32,34$. Physical Review C, 2005, 71, .	2.9	130
5	Isomeric states observed in heavy neutron-rich nuclei populated in the fragmentation of a ^{208}Pb beam. Physical Review C, 2011, 84, .	2.9	108
6	Collectivity at $N=40$ in neutron-rich ^{40}Cr . Physical Review C, 2010, 81, .	2.9	107
7	Review of metastable states in heavy nuclei. Reports on Progress in Physics, 2016, 79, 076301.	20.1	104
8	Configurations and hindered decays of ^{117}K isomers in deformed nuclei with ^{118}Cr . Physical Review C, 2010, 81, .	2.4	94
9	Evidence for rigid triaxial deformation at low energy in ^{100}Ge . Physical Review C, 2013, 87, .	2.9	82
10	Development of shell closures at $N=32,34$. II. Lowest yrast excitations in even-even Ti isotopes from deep-inelastic heavy-ion collisions. Physical Review C, 2004, 70, .	2.9	79
11	Transverse wobbling in ^{135}Pr . Physical Review Letters, 2015, 114, 082501.	7.8	79
12	Level structure of the neutron-rich $^{56,58,60}\text{Cr}$ isotopes: Single-particle and collective aspects. Physical Review C, 2006, 74, .	2.9	75
13	Single-particle behavior at $N=126$: Isomeric decays in neutron-rich ^{126}Pt . Physical Review C, 2006, 74, .	2.9	73
14	α -Decay Half-Lives of Neutron-Rich ^{94}Pt and ^{94}Bi . Physical Review C, 2006, 74, .	2.9	68
15	Nuclear Data Sheets for $A = 201$. Nuclear Data Sheets, 2007, 108, 365-454.	2.2	60
16	Multi-quasiparticle states in ^{179}Ta and structural changes in the yrast line of the odd tantalum isotopes. Nuclear Physics A, 1997, 617, 91-130.	1.5	58
17	Nuclear Data Sheets for $A = 204$. Nuclear Data Sheets, 2010, 111, 141-274.	2.2	56
18	Nuclear Data Sheets for $A = 200$. Nuclear Data Sheets, 2007, 108, 1471-1582.	2.2	53

#	ARTICLE	IF	CITATIONS
19	Systematic study of the isotopes populated in ^{64}Ni and ^{68}Ni . Physical Review C, 2012, 86, .	2.9	52
20	Intermediate-energy Coulomb excitation of $^{58,60,62}\text{Cr}$: The onset of collectivity toward $N=40$. Physical Review C, 2012, 86, .	2.9	51
21	Nuclear Data Sheets for $A = 202$. Nuclear Data Sheets, 2008, 109, 699-786.	2.2	50
22	Evolution of shapes in ^{59}Cu . European Physical Journal A, 2002, 14, 317-348.	2.5	46
23	Two-phonon wobbling in ^{135}Pr . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 170-174.	4.1	43
24	Structure of two-, four-, and six-quasiparticle isomers in ^{174}Yb and K -forbidden decays. Physical Review C, 2005, 71, .	2.9	41
25	Longitudinal Wobbling Motion in ^{187}Au . Physical Review C, 2014, 89, .	7.8	37
26	Low-spin states and the non-observation of a proposed 2202-keV ^{187}Au isomer. Physical Review C, 2014, 89, .	2.9	36
27	Higher-seniority excitations in even neutron-rich Sn isotopes. Physical Review C, 2014, 89, .	2.9	35
28	Higher-seniority excitations in even neutron-rich Sn isotopes. Physical Review C, 2014, 89, .	2.9	31
29	Single-particle and collective degrees of freedom in ^{101}Zr and $^{103,105}\text{Mo}$. Physical Review C, 2006, 73, .	2.9	30
30	Masses and $^{12}\text{I}^2$ -Decay Spectroscopy of Neutron-Rich Odd-Odd ^{160}Er and ^{162}Er . Physical Review C, 2007, 76, .	7.8	29
31	Nuclear shapes of highly deformed bands in $^{171,172}\text{Hf}$ and neighboring Hf isotopes. Physical Review C, 2007, 76, .	2.9	26
32	Lifetime of the ^{160}Er in the neutron-rich nucleus ^{160}Er . Physical Review C, 2009, 79, .	2.9	25
33	Triaxial-band structures, chirality, and magnetic rotation in ^{125}La . Physical Review C, 2016, 94, .	2.9	24
34	Identification of the bands in the neutron-rich ^{168}Ga . Physical Review C, 2016, 94, .	2.9	24
35	ISOMERIC DECAY STUDIES IN NEUTRON-RICH ^{126}N NUCLEI. International Journal of Modern Physics E, 2009, 18, 1002-1007.	1.0	24
36	Two-quasiparticle structures and isomers in ^{168}Er . Physical Review C, 2016, 94, .	2.9	24

#	ARTICLE	IF	CITATIONS
37	Electromagnetic transition rates in high-spin bands in Nd . Physical Structure changes in Er . Physical	2.9	23
38	Structure changes in Er . Physical	2.9	22
39	Structure changes in Er . Physical	2.9	22
40	New shape minimum in $Yb160$: Evidence for a triaxial, strongly deformed band. Physical Review C, 2008, 77, .	2.9	21
41	Doubly magic Pb : High-spin states, isomers, and	2.9	21
42	High-spin proton alignments and coexisting coupling schemes in Hf . Physical Review C, 2009, 80, .	2.9	20
43	Rotational structures in $155Eu$ and $157Tb$. Physical Review C, 1998, 57, 2944-2961.	2.9	19
44	Triaxial strongly deformed bands in $Tm160,161$. Physical Review C, 2008, 78, .	2.9	18
45	Core excitations beyond maximally aligned configurations in $123I$. Physical Review C, 2012, 85, .	2.9	18
46	The X-Ray and SATURN: A new decay-spectroscopy station for CARIBU. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 763, 232-239.	1.6	18
47	K-Mixing and fast decay of a seven-quasiparticle isomer in $179Ta$. European Physical Journal A, 2004, 22, 23-27.	2.5	17
48	Isomers and oblate rotation in Pt isotopes: Delineating the limit for collectivity at high spins. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 225-229.	4.1	17
49	Non-yrast positive-parity structures in the Er -soft nucleus Er . Physical	2.9	16
50	Single-particle and collective excitations in Ni . Physical Review C, 2013, 88, .	2.9	16
51	Yrast structure of Bi : Novel	2.9	15
52	Novel Ge Sequence in	7.8	15
53	Decay properties of high-spin isomers and other structures in $Sb121$ and $Sb123$. Physical Review C, 2009, 79, .	2.9	14
54	Multi-quasiparticle isomers involving proton-particle and neutron-hole configurations in $131I$ and $133I$. Physical Review C, 2009, 79, .	2.9	14

#	ARTICLE	IF	CITATIONS
55	Structure of neutron-rich nuclei around the N = 126 closed shell; the yrast structure of ^{205}Au up to spin-parity $I^{\pi} = (19/2^+)$. <i>European Physical Journal A</i> , 2009, 42, 489.	2.5	14
56	High-spin, multiparticle isomers in $^{121,123}\text{Sb}$. <i>Physical Review C</i> , 2008, 77, .	2.9	13
57	Connections between high- K and low- K states in the two-neutron and core-excited states in $^{121,123}\text{Sb}$. <i>Physical Review C</i> , 2008, 77, .	2.9	13
58	Tracing collectivity and evidence for a new β -decaying isomer in ^{210}Pb . <i>Physical Review C</i> , 2009, 80, .	2.9	13
59	Decay of ^{210}Pb , 17-ms isomer in ^{185}Ta . <i>Physical Review C</i> , 2009, 80, .	2.9	12
60	Search for the wobbling mode in ^{169}Re and ^{170}Re . <i>Physical Review C</i> , 2016, 94, .	2.9	12
61	Single-particle and collective excitations in ^{62}Ni . <i>Physical Review C</i> , 2016, 94, .	2.9	12
62	Shell-model states with seniority 5, and 7 in odd- A neutron-rich Sn. <i>Physical Review C</i> , 2016, 94, .	2.9	12
63	Properties of ^{187}Ta . <i>Physical Review Letters</i> , 2020, 125, 192505.	7.8	12
64	Shape coexistence and band crossings in ^{174}Pt . <i>Physical Review C</i> , 2004, 70, .	2.9	11
65	Isomeric decay studies around ^{204}Pt and ^{148}Tb . <i>European Physical Journal: Special Topics</i> , 2007, 150, 165-168.	2.6	11
66	Rotation-aligned isomer and oblate collectivity in ^{196}Pt . <i>Physical Review C</i> , 2015, 92, .	2.9	11
67	High-spin structure, isomers, and state mixing in the neutron-rich isotopes ^{173}Tm and ^{175}Tm . <i>Physical Review C</i> , 2012, 86, .	2.9	10
68	Revised level structure of ^{120}Te . <i>Physical Review C</i> , 2014, 90, .	2.9	10
69	Role of the $g_{7/2}$ in the development of collectivity in the $A=60$ isotopes. <i>Physical Review C</i> , 2015, 91, .	2.9	10
70	Nuclear Data Sheets for $A=205$. <i>Nuclear Data Sheets</i> , 2020, 166, 1-230.	2.2	10
71	Migration from the normal to the highly deformed minimum in ^{131}Nd . <i>Physical Review C</i> , 1999, 60, .	2.9	9
72	Gamma-ray spectroscopy of the doubly magic nucleus ^{56}Ni . <i>European Physical Journal A</i> , 2006, 27, 157-165.	2.5	9

#	ARTICLE	IF	CITATIONS
73	Rotational structures and their evolution with spin in Gd152. Physical Review C, 2007, 75, .	2.9	9
74	Alignments, additivity, and signature inversion in odd-odd nuclei. Physical Review C, 2016, 93, .	2.9	9
75	Alignments, additivity, and signature inversion in odd-odd nuclei. Physical Review C, 2016, 93, .	2.9	9
76	Proton-hole and core-excited states in the semi-magic nucleus 131In82. European Physical Journal A, 2016, 52, 1.	2.5	9
77	Triaxiality and exotic rotations at high spins in Ce134. Physical Review C, 2016, 93, .	2.9	9
78	Isomers from intrinsic excitations in 200Pb. Physical Review C, 2020, 102, .	2.9	9
79	Isomers from multinuclear excitations in 202Pb. Physical Review C, 2020, 102, .	2.9	9
80	The $^{136}\text{Xe} + ^{198}\text{Pt}$ reaction: a detailed re-examination. European Physical Journal A, 2020, 56, 1.	2.5	9
81	Evolution of collective and noncollective structures in high-spin states in 200Xe. Physical Review C, 2020, 101, .	2.9	9
82	High-spin states in 202K. Physical Review C, 2020, 101, .	2.9	9
83	Two-quasiparticle states in 160Gd. Physical Review C, 2020, 101, .	2.9	9
83	Quadrupole moment measurements for strongly deformed bands in Hf171,172. Physical Review C, 2011, 83, .	2.9	8
84	Impact of triaxiality on the rotational structure of neutron-rich rhenium isotopes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 752, 311-316.	4.1	8
85	Interplay of quasiparticle and vibrational excitations: First observation of isomeric states in 168Dy and 169Dy. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 799, 135036.	4.1	8
86	Spin-trap isomers in deformed, odd-odd nuclei in the light rare-earth region near 200Np. Physical Review C, 2020, 102, .	2.9	7
87	Identification of triaxial strongly deformed bands in 235Np and the possible role of 235Np. Physical Review C, 2013, 87, .	2.9	7
88	Three-quasiparticle isomers and possible deformation in the transitional nuclide, 95Au. Physical Review C, 2013, 87, .	2.9	7
89	Identification of triaxial strongly deformed bands in 164Hf. Physical Review C, 2013, 88, .	2.9	7
90	In-beam spectroscopy of medium- and high-spin states in Ce133. Physical Review C, 2016, 93, .	2.9	7

#	ARTICLE	IF	CITATIONS
91	Exciting isomers from the first stopped-beam RISING campaign. European Physical Journal: Special Topics, 2007, 150, 173-176.	2.6	6
92	Band crossings in Ta configurations and decay hindrances of high- K states in ^{180}Hf . Physical Review C, 2010, 82, .	2.9	6
93	Configurations and decay hindrances of high- K states in ^{180}Hf . Physical Review C, 2016, 94, .	2.9	6
94	Identification of $J^\pi = 19/2^+$ and $23/2^+$ isomeric states in ^{127}Sb . European Physical Journal A, 2009, 42, 163.	2.5	5
95	Multi-quasiparticle structures up to spin $I = 10$ in the odd-odd nucleus ^{105}Ru . Physical Review C, 2014, 89, .	2.9	5
96	High-spin yrast structure of ^{159}Ho . Physical Review C, 2011, 84, .	2.9	5
97	Quadrupole moments of coexisting collective shapes at high spin in ^{154}Er . Physical Review C, 2013, 88, .	2.9	5
98	Coexisting structures in ^{105}Ru . Physical Review C, 2014, 89, .	2.9	5
99	High-spin structure of odd-odd ^{172}Re . Physical Review C, 2014, 90, .	2.9	5
100	Precise absolute β -ray and α -decay branching intensities in the decay of ^{296}Cu . Physical Review C, 2015, 92, .	2.9	5
101	Population and decay of a K isomer in ^{244}Pu . Physical Review C, 2016, 94, .	2.9	5
102	New isomers in ^{125}Pd and ^{127}Pd : Competing proton and neutron excitations in neutron-rich palladium nuclides towards the $N = 82$ shell closure. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 263-268.	4.1	5
103	Search for Nova Presolar Grains: ^{13}C -Ray Emission Probabilities in the Decay of ^{10}B . Physical Review C, 2015, 92, .	1.6	5
104	Search for Nova Presolar Grains: ^{13}C -Ray Spectroscopy of ^{10}B . Physical Review C, 2015, 92, .	1.6	5
105	Structure of the ^{34}Ar nucleus and its relevance for ^{34}Ar . Physical Review C, 2016, 94, .	2.9	5
106	First direct observation of isomeric decay in neutron-rich odd-odd ^{186}Ta . Physical Review C, 2021, 104, .	2.9	5
107	Single-particle and dipole excitations in ^{62}Co . Physical Review C, 2022, 105, .	2.5	5
108	First Results from the Stopped RISING Campaign at GSI: The Mapping of Isomeric Decays in Highly Exotic Nuclei. AIP Conference Proceedings, 2007, , .	0.4	4

#	ARTICLE	IF	CITATIONS
109	Identification of a high-spin isomer in ^{99}Mo . Physical Review C, 2007, 76, .	2.9	4
110	Properties of excited states in ^{77}Ge . Physical Review C, 2009, 80, .	2.9	4
111	MULTI-QUASIPARTICLE ISOMERS INVOLVING PROTON-PARTICLE AND NEUTRON-HOLE CONFIGURATIONS IN ^{131}I AND ^{133}I . Modern Physics Letters A, 2010, 25, 1800-1803.	1.2	4
112	High-spin proton alignments and evidence for a second band with enhanced deformation in ^{171}Hf . Physical Review C, 2012, 85, .	2.9	4
113	In-beam γ -ray spectroscopy of ^{63}Mn . Physical Review C, 2016, 93, .	2.9	4
114	Observation of high-spin bands with large moments of inertia in ^{124}Xe . Physical Review C, 2016, 94, .	2.9	4
115	Beta decay of the axially asymmetric ground state of ^{192}Re . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 814, 136088.	4.1	4
116	Ground-state β -decay spectroscopy of ^{187}Ta . Physical Review C, 2022, 105, .	2.9	4
117	Isomers in ^{203}Tl and core excitations built on a five-nucleon-hole structure. Physical Review C, 2022, 105, .	2.9	4
118	Possible deformation evolution in the ^{171}Re of ^{171}Re . Physical Review C, 2013, 88, .	2.9	3
119	Shape coexistence in ^{67}Co , $^{66,68,70,72}\text{Ni}$, and ^{71}Cu . AIP Conference Proceedings, 2015, , .	0.4	3
120	First observation of rotational structures in ^{168}Re . Physical Review C, 2016, 94, .	2.9	3
121	Decoupled and semi-decoupled bands in ^{197}Hg and ^{199}Hg . Physical Review C, 2019, 100, .	2.9	3
122	Structure of odd- A Pt isotopes along the line of stability. Physical Review C, 2019, 100, .	2.9	3
123	Onset of high-spin rotational bands in the $N=Z$ nucleus ^{62}Ga . Physical Review C, 2020, 102, .	2.9	3
124	Nuclear Data Sheets for $A=203$. Nuclear Data Sheets, 2021, 177, 509-699.	2.2	3
125	Emergence of an island of extreme nuclear isomerism at high excitation near ^{208}Pb . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 832, 137262.	4.1	3
126	Mass Chain Evaluations for the Evaluated Nuclear Structure Data File (ENSDF) – An Urgent Appeal for European Participation. Nuclear Physics News, 2007, 17, 19-23.	0.4	2

#	ARTICLE	IF	CITATIONS
127	Multiquasiparticle states in the neutron-rich nucleus ^{174}Tm . Physical Review C, 2013, 88, .	2.9	2
128	Possible quenching of static neutron pairing near the deformed shell gap: Rotational structures in ^{98}Zr . Physical Review C, 2013, 88, .	2.9	2
129	Nanosecond isomers and the evolution of collectivity in stable, even-odd ^{160}Gd and ^{161}Gd isotopes. Physical Review C, 2021, 103, .	2.9	2
130	Highly deformed band structures due to core excitations in ^{123}Xe . Physical Review C, 2021, 103, .	2.9	2
131	K-Isomers as a Probe of Nuclear Structure and Advanced Applications. AIP Conference Proceedings, 2005, , .	0.4	1
132	Data Dissemination and International Collaborations. AIP Conference Proceedings, 2005, , .	0.4	1
133	Microsecond and nanosecond isomers populated in fission reactions. AIP Conference Proceedings, 2006, , .	0.4	1
134	Ground-state and decay properties of neutron-rich ^{106}Nb . Physical Review C, 2021, 103, .	2.9	1
135	r Process ($n, (\gamma)$) Rate Constraints from the (γ) Emission of Neutron Unbound States in (η)-Decay. , 2017, , .		1
136	Single-particle and collective excitations in ^{66}Zn . Physical Review C, 2022, 105, .	2.9	1
137	The Argonne Fragment Mass Analyzer and measurements of entry distributions. AIP Conference Proceedings, 2001, , .	0.4	0
138	Search For Wobbling Excitations In Hf Nuclei: Are The SD Bands Triaxial?. AIP Conference Proceedings, 2005, , .	0.4	0
139	Structure Of Multi-Quasiparticle Isomers In The Region Of ^{177}Lu . AIP Conference Proceedings, 2005, , .	0.4	0
140	The Total Absorption Spectroscopy technique for reactor technology and basic nuclear physics. , 2013, , .		0
141	Shape Evolution in Neutron-Rich Ru Nuclei. , 2015, , .		0
142	Low-, medium-, and high-spin states in the $N=Z+1$ nucleus ^{63}Ga . Physical Review C, 2021, 103, .	2.9	0
143	YRAST STRUCTURE OF NEUTRON-RICH $N=31,32$ TITANIUM NUCLEI $\hat{=}$ “ SUBSHELL CLOSURE AT $N=32$. , 2005, , .		0
144	First $\hat{=}^3$ -Decay Studies with CARIBU Low-Energy Exotic Beams. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
145	<p>structures in <code><mml:math</code> <code><math xmlns:mml="http://www.w3.org/1998/Math/MathML" ><mml:mrow><mml:mi>1/2</mml:mi><mml:msub><mml:mi>1</mml:mi><mml:mi></mml:mi></mml:mrow></math></code></p> <p>and <code><mml:math</code> <code><math xmlns:mml="http://www.w3.org/1998/Math/MathML" ><mml:mrow><mml:mi>S</mml:mi><mml:mprescript>S</mml:mprescript></mml:mrow></math></code></p> <p>and <code><mml:math</code> <code><math xmlns:mml="http://www.w3.org/1998/Math/MathML" ><mml:mrow><mml:mi>C</mml:mi></mml:mrow></math></code></p>	0	0