

Kamila Sieja

List of Publications by Year in descending order

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105
papers

2,784
citations

172386

29
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197736

49
g-index

106
all docs

106
docs citations

106
times ranked

1403
citing authors

#	ARTICLE	IF	CITATIONS
1	Island of inversion around $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle \text{Cr} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 64 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$. Physical Review C, 2010, 82, .	1.1	218
2	Superaligned Gamowâ€™Teller decay of the doubly magic nucleus ^{100}Sn . Nature, 2012, 486, 341-345.	13.7	147
3	Shell-model half-lives including first-forbidden contributions for $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle r \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -process waiting-point nuclei. Physical Review C, 2013, 87, .	1.1	136
4	Onset of collectivity in neutron-rich Fe isotopes: Toward a new island of inversion?. Physical Review C, 2010, 81, .	1.1	109
5	Shell model description of zirconium isotopes. Physical Review C, 2009, 79, .	1.1	98
6	Gogny-HFB+QRPA dipole strength function and its application to radiative nucleon capture cross section. Physical Review C, 2018, 98, .	1.1	83
7	Shell evolution and nuclear forces. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 686, 109-113.	1.5	78
8	Yrast $6 \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle$ Seniority Isomers of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 136 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle, \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 138 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle \text{Sn}$. Physical Review Letters, 2014, 113, 132502.	2.9	75
9	Global properties of even-even superheavy nuclei in macroscopic-microscopic models. Physical Review C, 2005, 72, .	1.1	72
10	Low-lying isomeric levels in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle \text{Cu} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 75 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$. Physical Review C, 2010, 81, .	1.1	71
11	Shell quenching in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle \text{Ni} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 78 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$: A hint from the structure of neutron-rich copper isotopes. Physical Review C, 2010, 81, .	1.1	60
12	Coulomb Excitation of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Sn} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 104 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ and the Strength of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Sn} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 100 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ Shell Closure. Physical Review Letters, 2011, 107, 172502.	2.9	60
13	Three-body forces and persistence of spin-orbit shell gaps in medium-mass nuclei: Toward the doubly magic $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 78 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle \text{Ni}$. Physical Review C, 2012, 85, .	1.1	56
14	Collectivity in the light xenon isotopes: A shell model study. Physical Review C, 2010, 82, .	1.1	52
15	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mn} \rangle 16 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle$ Spin-Gap Isomer in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Cd} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 96 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$. Physical Review Letters, 2011, 107, 172502.	2.9	51
16	Electric and Magnetic Dipole Strength at Low Energy. Physical Review Letters, 2017, 119, 052502.	2.9	47
17	Description of proton-neutron mixed-symmetry states near $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle \text{Sn} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 132 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ within a realistic large scale shell model. Physical Review C, 2009, 80, .	1.1	46
18	Discovery of a new isomeric state in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 68 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle \text{Ni}$: Evidence for a highly deformed proton intruder state. Physical Review C, 2012, 85, .	1.1	43

#	ARTICLE	IF	CITATIONS
19	Laboratory versus intrinsic description of nonaxial nuclei above doubly magic ^{78}Ni . Physical Review C, 2013, 88, .	1.1	41
20	Spherical proton-neutron structure of isomeric states in ^{128}Cd . Physical Review C, 2009, 79, .	1.1	39
21	Nuclear shell evolution and in-medium $N-N$ interaction. Physical Review C, 2012, 86, .	1.1	37
22	... nucleus ^{64}Zn using the		
23			

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#	ARTICLE	IF	CITATIONS
37	Neutron Pairing Correlations in the Self-Conjugate Nucleus ^{84}Se . Physical Review C, 2015, 92, .	2.9	25
38	Prompt γ -ray spectroscopy of isotopically identified fission fragments. Physical Review C, 2009, 80, .	1.1	25
39	High-spin isomers in ^{96}Ag : Excitations across the $Z=38$ and $Z=39$ shell gaps. Physical Review C, 2012, 85, .	1.1	24
40	Low spin structure of ^{92}Rb and the structure of neutron-rich ^{94}Rb . Physical Review C, 2012, 85, .	1.1	23
41	Low spin structure of ^{92}Rb and the structure of neutron-rich ^{94}Rb . Physical Review C, 2012, 85, .	1.1	23
42	Confirmation of neutron-proton multiplets in the nucleus ^{88}Br . Physical Review C, 2015, 92, .	1.1	22
43	Ground-state properties of even-even $N=Z$ nuclei within the Hartree-Fock-BCS and higher Tamm-Dancoff approaches. Physical Review C, 2007, 76, .	1.1	21
44	Isomer spectroscopy of ^{127}Cd . Physical Review C, 2010, 82, .	1.1	20
45	Transition from collectivity to single-particle degrees of freedom from magnetic moment measurements on ^{88}Sr 44 and ^{89}Sr 52. Physical Review C, 2014, 89, .	1.1	20
46	First on neutron-rich ^{72}Zn , and the probing nuclear structures in the vicinity of ^{78}Ni with ^{78}Ni and ^{78}Ni . Physical Review C, 2012, 85, .	1.1	18
47	Existence of a ^{78}Ni isomer. Physical Review C, 2012, 85, .	1.1	18
48	Shell-model study of the dipole strength at low energy in the ^{132}Sn nucleus. Physical Review C, 2016, 93, .	1.1	17
49	Evolution of single-particle strength in neutron-rich ^{71}Cu . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 751, 306-310.	1.5	17
50	First evidence of collectivity close to the doubly magic core ^{132}Sn . Physical Review C, 2016, 93, .	1.1	17
51	Study of the deformation-driving $1/2d_{5/2}$ orbital in ^{67}Ni 39 using one-neutron transfer reactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 533-538.	1.5	16

#	ARTICLE	IF	CITATIONS
55	Low energy dipole strength from large scale shell model calculations. EPJ Web of Conferences, 2017, 146, 05004.	0.1	16
56	Lifetime measurements in neutron-rich $^{63,65}\text{Co}$ isotopes using the AGATA demonstrator. Physical Review C, 2013, 88, .	1.1	15
57	Identification of excited states and collectivity in ^{88}Se . Physical Review C, 2017, 95, .	1.1	15
58	The nuclear shell model toward the drip lines. Physica Scripta, 2012, T150, 014030.	1.2	14
59	Recent Advances in the Shell Model Calculations of the Spectroscopic Properties of $^{134,136,138}\text{Sn}$. Acta Physica Polonica B, 2015, 46, 669.	0.3	14
60	$N=50$ core excited states studied in the $^{46,96}\text{Pd}$ nucleus. Physical Review C, 2012, 86, .	1.1	13
61	Low-spin structure of ^{87}Br and ^{89}Br . Physical Review C, 2017, 95, .	1.1	13
62	Low-spin structure of ^{85}Br and ^{87}Br . Physical Review C, 2017, 95, .	1.1	13
63	First application of the Oslo method in inverse kinematics. European Physical Journal A, 2020, 56, 1.	1.0	13
64	Shell-model based study of the direct capture in neutron-rich nuclei. European Physical Journal A, 2021, 57, 1.	1.0	13
65	PARTICLE NUMBER CONSERVING APPROACH TO CORRELATIONS. International Journal of Modern Physics E, 2007, 16, 289-297.	0.4	12
66	Neutron-proton multiplets in the odd-odd nucleus ^{53}Rb . Physical Review C, 2016, 93, .	1.1	12
67	Coulomb excitation of the ^{70}Ni isomer. Physical Review C, 2017, 95, .	1.1	11
68	Nuclear structure of ^{76}Ni from the $^{76}\text{Ni}(\text{p},\text{d})^{75}\text{Ni}$ reaction. Physical Review C, 2017, 95, .	1.1	10
69	δ -pairing forces and collective pairing vibrations. European Physical Journal A, 2004, 20, 413-418.	1.0	10
70	SUPERHEAVY NUCLEI IN DIFFERENT PAIRING MODELS. International Journal of Modern Physics E, 2006, 15, 452-456.	0.4	10
71	Structure of ^{90}Kr and ^{91}Kr . Physical Review C, 2017, 95, .	1.1	10
72	Single-particle strength in neutron-rich ^{69}Cu and ^{70}Cu from the $^{69}\text{Cu}(\text{p},\text{d})^{68}\text{Cu}$ reaction. Physical Review C, 2017, 95, .	1.1	10

#	ARTICLE	IF	CITATIONS
73	Structure of ^{61}Fe via the neutron transfer reaction. Nuclear Physics A, 2011, 857, 9-15.	1.1	8
74	Core polarization effects in effective Hamiltonians far from stability. Nuclear Physics A, 2011, 857, 9-15.	0.6	7
75	Spectroscopic properties of neutron rich nuclei beyond ^{132}Sn and seniority mixing. Journal of Physics: Conference Series, 2015, 580, 012030.	0.3	7
76	Structure of even-even Sr isotopes with $50 < N < 70$ neutrons. Physical Review C, 2021, 104, .	1.1	7
77	STATE DEPENDENT \hat{V} -PAIRING AND SPONTANEOUS FISSION. International Journal of Modern Physics E, 2004, 13, 353-356.	0.4	6
78	Penning-trap-assisted study of excitations in ^{88}Br populated in \hat{I}^2 decay of ^{88}Se . Physical Review C, 2017, 95, .	1.1	6
79	Electric and magnetic dipole strength in ^{54}Fe . Physical Review C, 2020, 101, .	1.1	6
80	NEUTRON-PROTON PAIRING IN ^{64}Ge . International Journal of Modern Physics E, 2005, 14, 445-450.	0.4	5
81	Relativistic Coulomb excitation of ^{88}Kr . Physical Review C, 2016, 94, .	1.1	5
82	Proton single particle energies next to ^{78}Ni : Spectroscopy of ^{77}Cu via single proton knock-out reaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 99-103.	1.5	5
83	Excited states in ^{87}Br populated in \hat{I}^2 decay of ^{87}Se . Physical Review C, 2019, 100, .	1.1	5
84	Medium-spin states of the neutron-rich nucleus ^{87}Br . Physical Review C, 2021, 103, .	1.1	5
85	Collectivity above the Closed ^{78}Ni and ^{132}Sn Cores. Acta Physica Polonica B, 2016, 47, 883.	0.3	5
86	Single-Particle and Collective Structures in Neutron-Rich Sr Isotopes. Universe, 2022, 8, 23.	0.9	5
87	State dependent \hat{V} -pairing force with Nilsson models: Nuclear shapes, radii, and masses. Physical Review C, 2003, 68, .	1.1	4
88	Ground-state properties of superheavy elements in macroscopic-microscopic models. European Physical Journal A, 2005, 25, 611-612.	1.0	4
89	PROPERTIES OF SUPERHEAVY NUCLEI IN VARIOUS MACROSCOPIC-MICROSCOPIC MODELS. International Journal of Modern Physics E, 2005, 14, 365-372.	0.4	4
90	PAIRING AND \hat{I}^{\pm} -DECAY. International Journal of Modern Physics E, 2007, 16, 320-327.	0.4	4

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91	Toward the $N = 40$ sub-shell closure in Co isotopes and the new island of inversion. Physica Scripta, 2012, T150, 014034. Neutron effective single-particle energies above N_i : A hint from lifetime measurements in the $N = 78$ isotones. Physical Review C, 2012, 85, 014307.	1.2	4
92	Neutron effective single-particle energies above N_i : A hint from lifetime measurements in the $N = 78$ isotones. Physical Review C, 2012, 85, 014307.	1.1	4
93	Isotones $N = 63$ at the $N = 40$ island of inversion. Physical Review C, 2021, 103, .	1.1	4
94	\hat{I} -PAIRING FORCES AND NUCLEAR MASSES. International Journal of Modern Physics E, 2004, 13, 113-116.	0.4	3
95	Odd-parity ^{100}Sn Core Excitations. Acta Physica Polonica B, 2013, 44, 491.	0.3	3
96	Skyrme force-like extension of the nuclear pairing interaction. Physica Scripta, 2006, T125, 220-221.	1.2	2
97	Medium-spin states of the neutron-rich $^{87,89}\text{Br}$ isotopes: configurations and shapes. Journal of Physics: Conference Series, 2016, 724, 012051.	0.3	2
98	Observation of excited states in the neutron-rich nucleus $\text{Br}89$. Physical Review C, 2021, 104, .	1.1	2
99	Isomers in Fission Fragments. , 2009, , .		1
100	Exotic nuclear studies around and below $A = 100$. , 2011, , .		0
101	Spectroscopy of neutron-rich Co nuclei populated in the $^{70}\text{Zn}+^{238}\text{U}$ reaction. Journal of Physics: Conference Series, 2012, 381, 012082.	0.3	0
102	Spin-gap isomer in ^{96}Cd . Journal of Physics: Conference Series, 2012, 381, 012074.	0.3	0
103	From $N=2Z$ in ^{60}Ca to $N=Z$ in ^{80}Zr : Connecting the driplines. Journal of Physics: Conference Series, 2015, 580, 012007.	0.3	0
104	Excited States and Collectivity in ^{88}Se . EPJ Web of Conferences, 2018, 193, 05002.	0.1	0
105	Signatures of triaxiality in low-spin spectra of ^{86}Ge . Journal of Physics: Conference Series, 2018, 1023, 012023.	0.3	0