

# Cyrus Baktash

## List of Publications by Year in descending order

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59  
papers

1,652  
citations

304368

22  
h-index

288905

40  
g-index

59  
all docs

59  
docs citations

59  
times ranked

783  
citing authors

#	ARTICLE	IF	CITATIONS
1	Early signal of Emerging Nuclear Collectivity in Neutron-Rich $^{129}\text{Sb}$ . Electromagnetic Moments of Radioactive $^{129}\text{Sb}$ . Physical Review C, 2011, 84.	2.9	14
2	Electromagnetic Moments of Radioactive $^{129}\text{Sb}$ . Physical Review C, 2011, 84.	2.9	26
3	First-excited state g factor of $^{136}\text{Te}$ by the recoil in vacuum method. Physical Review C, 2017, 96, .	1.1	13
4	Magnetic moments of $21^+$ states in $^{124,126,128}\text{Sn}$ . Physical Review C, 2013, 87, .	1.1	27
5	GYROMAGNETIC RATIOS IN NEUTRON-RICH NUCLEI BY THE RECOIL IN VACUUM TECHNIQUE. , 2013, , .		0
6	One-phonon isovector $2^+$ in the neutron-rich nucleus $^{132}\text{Te}$ . Physical Review C, 2011, 84.	1.1	65
7	Coulomb excitation of $^{124}\text{Sn}$ . Physical Review C, 2011, 84.	1.1	55
8	Thorough $^{13}\text{C}$ -ray and particle decay investigations of $^{58}\text{Ni}$ . Physical Review C, 2009, 80, .	1.1	27
9	Extensive $^{13}\text{C}$ -ray spectroscopy of normally and superdeformed structures in $^{61,62}\text{Cu}$ . European Physical Journal A, 2008, 36, 251-278.	1.0	21
10	Prompt proton decay and deformed bands in $^{56}\text{Ni}$ . Physical Review C, 2008, 77, .	1.1	32
11	Probing $\delta$ - $\nu$ cross-shell interactions via terminating configurations in $^{42,43}\text{Sc}$ . Physical Review C, 2007, 75, .	1.1	26
12	Coulomb excitation and transfer reactions with rare neutron-rich isotopes. Nuclear Physics A, 2005, 752, 264-272.	0.6	50
13	Developing techniques to study $A \approx 132$ nuclei with (d, p) reactions in inverse kinematics. European Physical Journal A, 2005, 25, 283-285.	1.0	1
14	First nuclear moment measurement with radioactive beams by recoil-in-vacuum method: g-factor of the $2^+$ state in $^{132}\text{Te}$ . European Physical Journal A, 2005, 25, 205-208.	1.0	4
15	Coulomb excitation measurements of transition strengths in the isotopes $^{132, 134}\text{Sn}$ . European Physical Journal A, 2005, 25, 391-394.	1.0	16
16	Coulomb excitation of odd-A neutron-rich radioactive beams. European Physical Journal A, 2005, 25, 395-396.	1.0	3
17	$^{132}\text{Te}$ and single-particle density-dependent pairing. European Physical Journal A, 2005, 25, 389-390.	1.0	0
18	Coulomb excitation and transfer reactions with neutron-rich radioactive beams. European Physical Journal A, 2005, 25, 383-387.	1.0	19

#	ARTICLE	IF	CITATIONS
19	Studies Of Neutron-Rich Nuclei With (d,p) Reactions In Inverse Kinematics At The HRIBF. AIP Conference Proceedings, 2005, , .	0.3	0
20	Sn100core excitations inAg97. Physical Review C, 2005, 72, .	1.1	14
21	$\hat{I}^3$ -ray spectroscopy ofTe132through $\hat{I}^2$ decay of aSb132radioactive beam. Physical Review C, 2005, 71, .	1.1	16
22	Test of calculations with single-particle density dependent pairing inTe132. Physical Review C, 2004, 69, .	1.1	9
23	Study of theSn(d,p)124reaction in inverse kinematics close to the Coulomb barrier. Physical Review C, 2004, 70, .	1.1	23
24	Lifetime measurements and terminating structures in87Nb. Physical Review C, 2003, 67, .	1.1	8
25	â€œCompleteâ€ high-spin structure of57Co. Physical Review C, 2003, 67, .	1.1	12
26	Nuclear Structure Studies With Neutron-Rich RIBS At The HRIBF. AIP Conference Proceedings, 2003, , .	0.3	0
27	NUCLEAR STRUCTURE STUDIES WITH ISOL BEAMS AT THE HRIBF. , 2003, , .		0
28	NUCLEAR STRUCTURE STUDIES WITH HEAVY NEUTRON-RICH RIBS AT THE HRIBF. , 2003, , .		1
29	100Sncore excitations in102In. Physical Review C, 2002, 65, .	1.1	14
30	Spherical and deformed high-spin states in38Ar. Physical Review C, 2002, 65, .	1.1	40
31	Breakup of the doubly magic100Sncore. Physical Review C, 2002, 66, .	1.1	20
32	Excited states of the proton emitter105Sb. Physical Review C, 2002, 65, .	1.1	11
33	Rotational bands with terminating properties in59Ni. Physical Review C, 2002, 65, .	1.1	16
34	Physics with heavy neutron-rich RIBs at the HRIBF. European Physical Journal A, 2002, 15, 171-173.	1.0	21
35	First evidence of excited states in the near-drip-line nucleus126Prand signature inversion inAâ€%~130nuclei. Physical Review C, 2001, 63, .	1.1	19
36	Performance of the Recoil Mass Spectrometer and its detector systems at the Holifield Radioactive Ion Beam Facility. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 450, 12-29.	0.7	119

#	ARTICLE	IF	CITATIONS
37	Superdeformed and highly deformed bands in $^{65}\text{Zn}$ and neutron-proton interactions in Zn isotopes. Physical Review C, 2000, 62, .	1.1	35
38	Band terminations in the valence space of $^{86}\text{Zr}$ . Physical Review C, 2000, 61, .	1.1	14
39	Yrast superdeformed band in $^{59}\text{Cu}$ . Physical Review C, 2000, 62, .	1.1	34
40	Two-neutron alignment and shape changes in $^{69}\text{As}$ . Physical Review C, 2000, 62, .	1.1	14
41	Comparative lifetimes of superdeformed bands in $A \approx 1/4 80$ Nuclei. , 1999, , .		0
42	Plans for constructing a next-generation ISOL facility at ORNL. , 1999, , .		0
43	Rotational Bands in the Doubly Magic Nucleus $^{56}\text{Ni}$ . Physical Review Letters, 1999, 82, 3763-3766.	2.9	139
44	Accurate Lifetime Measurements of Superdeformed Bands in $A \approx 1/4 80$ Nuclei. Physical Review Letters, 1999, 83, 5447-5450.	2.9	20
45	Comparison of superdeformed bands in $^{61}\text{Zn}$ and $^{60}\text{Zn}$ : Possible evidence for $T=0$ pairing. Physical Review C, 1999, 60, .	1.1	37
46	New band structures and an unpaired crossing in $^{78}\text{Kr}$ . Physical Review C, 1999, 59, 655-664.	1.1	21
47	High-spin shell-model states near $^{56}\text{Ni}$ . European Physical Journal A, 1999, 4, 115-145.	1.0	69
48	High-spin states in the $A=39$ mirror nuclei $^{39}\text{Ca}$ and $^{39}\text{K}$ . European Physical Journal A, 1999, 6, 5-8.	1.0	15
49	In-beam spectroscopy study of the proton emitter $^{151}\text{Lu}$ . Physical Review C, 1998, 58, R3042-R3045.	1.1	19
50	Prompt Proton Decay of a Well-Deformed Rotational Band in $^{58}\text{Cu}$ . Physical Review Letters, 1998, 80, 3018-3021.	2.9	97
51	Triaxial superdeformed bands in $^{86}\text{Zr}$ . Physical Review C, 1998, 57, R1-R5.	1.1	31
52	Systematics of even-even $T_z=1$ nuclei in the $A=80$ region: High-spin rotational bands in $^{74}\text{Kr}$ , $^{78}\text{Sr}$ , and $^{82}\text{Zr}$ . Physical Review C, 1997, 56, 98-117.	1.1	83
53	Interband Transitions between Superdeformed Bands in $^{87}\text{Nb}$ : Evidence for a Superintruder Orbital. Physical Review Letters, 1997, 78, 614-617.	2.9	16
54	Observation and Quadrupole-Moment Measurement of the First Superdeformed Band in the $A \approx 1/4 60$ Mass Region. Physical Review Letters, 1997, 79, 1233-1236.	2.9	91

#	ARTICLE	IF	CITATIONS
55	Identification of excited states in the $T_z = +12$ nucleus $^{75}\text{Rb}$ : The quest for experimental signatures of collective neutron-proton correlations. <i>Physical Review C</i> , 1997, 56, R591-R595.	1.1	19
56	Rotational inertia of superdeformed nuclei: Intruder orbitals, pairing, and identical bands. <i>Physical Review C</i> , 1996, 53, R1070-R1073.	1.1	20
57	First Observation of a Superdeformed Band in the $N, Z \approx 40$ Mass Region. <i>Physical Review Letters</i> , 1995, 74, 1946-1949.	2.9	60
58	Identification and Quadrupole-Moment Measurement of a Superdeformed Band in $^{84}\text{Zr}$ . <i>Physical Review Letters</i> , 1995, 75, 1471-1474.	2.9	41
59	Evidence for Hyperdeformation in $^{147}\text{d}$ . <i>Physical Review Letters</i> , 1995, 74, 5186-5189.	2.9	35