

# L A Bernstein

## List of Publications by Year in descending order

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59  
papers

1,643  
citations

236925

25  
h-index

302126

39  
g-index

59  
all docs

59  
docs citations

59  
times ranked

1078  
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiative strength functions in $^{98}\text{Mo}$ . Physical Review C, 2005, 71, .	2.9	119
2	Neutron activation diagnostics at the National Ignition Facility (invited). Review of Scientific Instruments, 2012, 83, 10D313.	1.3	88
3	Low-Energy Enhancement in the Photon Strength of $^{95}\text{Mo}$ . Physical Review Letters, 2012, 108, 162503.	7.8	72
4	Yrast superdeformed band in $^{194}\text{Pb}$ . Physical Review C, 1997, 55, 2819-2825.	2.9	69
5	Deducing the $^{237}\text{U}(n,f)$ cross section using the surrogate ratio method. Physical Review C, 2006, 73, .	2.9	66
6	Lifetime Measurement of the First Excited $^{2+}$ State in $^{16}\text{C}$ . Physical Review Letters, 2008,	7.8	66
7	Nuclear imaging of the fuel assembly in ignition experiments. Physics of Plasmas, 2013, 20, 056320.	1.9	65
8	Observation of Large Scissors Resonance Strength in Actinides. Physical Review Letters, 2012, 109, 162503.	7.8	62
9	Scissors resonance in the quasicontinuum of Th, Pa, and U isotopes. Physical Review C, 2014, 89, .	2.9	62
10	Constant-temperature level densities in the quasicontinuum of Th and U isotopes. Physical Review C, 2013, 88, .	2.9	54
11	Observation of $^{46}\text{Ca}$ and Testing the Isobaric Multiplet Mass Equation at High Spin. Physical Review Letters, 2001, 87, 132502.	7.8	44
12	Measurements and calculations of $^{238}\text{U}(n,\gamma)^{239}\text{Pu}$ $\beta$ -ray cross sections. Physical Review C, 2004, 69, .	2.9	44
13	Onset of collectivity in neutron deficient $^{196,198}\text{Po}$ . Physical Review C, 1995, 52, 621-627.	2.9	38
14	Enhanced NIF neutron activation diagnostics. Review of Scientific Instruments, 2012, 83, 10D315.	1.3	37
15	High-spin excitations in $^{92,93,94,95}\text{Zr}$ . Physical Review C, 2002, 65, .	2.9	35
16	Identification of high spin states in neutron-rich $^{113,115,117}\text{Pd}$ nuclei. Physical Review C, 1999, 61, .	2.9	33
17	Observation of $1/2^+$ sequences in odd- $A$ $^{110}\text{O}$ nuclei. Physical Review C, 2000, 61, .	2.9	33
18	Decay from a superdeformed band in $^{194}\text{Pb}$ . Physical Review C, 1996, 53, R1461-R1464.	2.9	32

#	ARTICLE	IF	CITATIONS
19	Shears bands in Pb193. Physical Review C, 1996, 54, 1106-1116.	2.9	32
20	Level densities in Fe56,57 and Mo96,97. Physical Review C, 2003, 68, .	2.9	31
21	Low-energy enhancement in the $\gamma$ -ray strength functions of $^{238}\text{U}$ and $^{232}\text{Th}$ . Physical Review C, 2010, 82, 044307.	2.9	31
22	Observation of $\nu\nu$ pair alignment in neutron-rich $^{118}\text{Pd}$ . Physical Review C, 2001, 63, .	2.9	30
23	Characterizing time decay of bibenzyl scintillator using time correlated single photon counting. Review of Scientific Instruments, 2012, 83, 10D911.	1.3	30
24	Decay and properties of the yrast superdeformed band in $^{192}\text{Pb}$ . Physical Review C, 1997, 56, 2474-2483.	2.9	28
25	Examination of the low-energy enhancement of the $\gamma$ -ray strength function of $^{56}\text{Fe}$ . Physical Review C, 2010, 82, 044307.	2.9	28
26	Superdeformation in $^{193}\text{Pb}$ and the effects of the $N=7$ intruder orbital. Physical Review C, 1995, 51, R447-R451.	2.9	26
27	Proton light yield in organic scintillators using a double time-of-flight technique. Journal of Applied Physics, 2018, 124, .	2.5	25
28	Spectroscopy of $^{194}\text{Po}$ . Physical Review C, 1995, 52, R1723-R1726.	2.9	23
29	Identification of $^{109}\text{Mo}$ and possible octupole correlations in $^{107,109}\text{Mo}$ . Physical Review C, 1997, 56, 1344-1349.	2.9	23
30	High-spin excitations in Ru nuclei near $N=60$ . Physical Review C, 1998, 58, 1997-2001.	2.9	22
31	Statistical properties of $^{238}\text{U}$ and $^{232}\text{Th}$ $\gamma$ -ray strength functions. Physical Review C, 2010, 82, 044307.	2.9	21
32	$^{239}\text{Pu}(n,2n)^{238}\text{Pu}$ cross section deduced using a combination of experiment and theory. Physical Review C, 2002, 65, .	2.9	20
33	Identification of new negative-parity levels in $^{152,154}\text{Nd}$ . Physical Review C, 1998, 57, 2040-2042.	2.9	19
34	Weak coupling and dipole bands in $^{191}\text{Pb}$ . Physical Review C, 1998, 57, 1624-1633.	2.9	19
35	Lifetime measurements in the regular $\gamma$ -ray band in $^{197}\text{Pb}$ . Physical Review C, 1993, 48, R2135-R2139.	2.9	15
36	Gamma-Ray Production Cross Sections in Multiple Channels for Neutron-Induced Reaction on $^{48}\text{Ti}$ for $E_n = 1$ to 200 MeV. Nuclear Science and Engineering, 2007, 157, 65-77.	1.1	15

#	ARTICLE	IF	CITATIONS
37	cross sections constrained with statistical decay properties of $^{137}\text{La}$ . Physical Review C, 2017, 95, .	2.9	15
38	Relative light yield and temporal response of a stilbene-doped bibenzyl organic scintillator for neutron detection. Journal of Applied Physics, 2014, 115, .	2.5	14
39	Completing the nuclear reaction puzzle of the nucleosynthesis of $^{92}\text{Mo}$ . Physical Review C, 2016, 94, .	2.9	14
40	Excitations in doubly-magic superdeformed $^{194}\text{Pb}$ . Physical Review C, 1994, 50, R1265-R1269.	2.9	13
41	$^{92}\text{Mo}(n, xn\gamma)^{A}\text{Z}$ reactions for neutron energies up to 250 MeV. Physical Review C, 2000, 62, .	2.9	13
42	Superdeformation in $^{198}\text{Po}$ . Physical Review C, 1996, 53, R541-R543.	2.9	12
43	$^{196}\text{Pt}(n, xn\gamma)^{A}\text{Z}$ reactions using spallation neutrons from $E_n=1$ to 250 MeV. Physical Review C, 2001, 64, .	2.9	11
44	$^{13}\text{C}$ decay from the quasicontinuum of $^{197,198}\text{Au}$ . Physical Review C, 2015, 91, .	2.9	11
45	Quasicontinuous decay spectra of superdeformed bands in $^{192,194}\text{Pb}$ and energy gaps in level density at moderate angular momenta. Physical Review C, 2000, 61, .	2.9	10
46	Quasicontinuous decay and properties of superdeformed excitations in $^{195}\text{Pb}$ . Physical Review C, 2005, 71, .	2.9	10
47	Spectroscopy of the $N=Z=2$ nucleus $^{46}\text{Cr}$ and mirror energy differences. Physical Review C, 2007, 75, .	2.9	10
48	Restricted spin-range correction in the Oslo method: The example of nuclear level density and strength function from $^{239}\text{Pu}$ .	2.9	9
49	Statistical $^{13}\text{C}$ rays in the analysis of surrogate nuclear reactions. Physical Review C, 2012, 85, .	2.9	8
50	Probing reaction dynamics with the $^{196}\text{Pt}(n, xn)^{A}\text{Z}$ reactions for $x \sim 15$ . Physical Review C, 1998, 57, R2799-R2803.	2.9	7
51	Indirect determination of neutron capture cross sections on spherical and near-spherical nuclei using the surrogate method. Physical Review C, 2012, 85, .	2.9	7
52	A recoverable gas-cell diagnostic for the National Ignition Facility. Review of Scientific Instruments, 2016, 87, 11D825.	1.3	7
53	$^{13}\text{C}$ -ray decay from neutron-bound and unbound states in $^{95}\text{Mo}$ and a novel technique for spin determination. Physical Review C, 2016, 93, .	2.9	5
54	Population of superdeformed excitations in $^{198}\text{Po}$ . Physical Review C, 2005, 71, .	2.9	3

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55	Bulk properties of iron isotopes. <i>Physics of Atomic Nuclei</i> , 2007, 70, 1634-1639.	0.4	3
56	Confirmation of the superdeformed band in $^{192}\text{Pb}$ . <i>Zeitschrift für Physik A</i> , 1995, 352, 239-240.	0.9	2
57	Nature of the pygmy resonance in continuous $\hat{I}^3$ spectra. <i>Physics of Atomic Nuclei</i> , 2004, 67, 1866-1872.	0.4	1
58	First evidence of low energy enhancement in Ge isotopes. <i>EPJ Web of Conferences</i> , 2015, 93, 04003.	0.3	1
59	Primary versus secondary $\hat{I}^3$ intensities in $\text{Yb}^{171}(\text{nth}, \hat{I}^3)$ . <i>Physical Review C</i> , 2006, 74, .	2.9	0