

L A Bernstein

List of Publications by Year in descending order

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59
papers

1,643
citations

236925

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39
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docs citations

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times ranked

1078
citing authors

#	ARTICLE	IF	CITATIONS
1	Restricted spin-range correction in the Oslo method: The example of nuclear level density and strength function from $\int \rho(E) \rho(E') dE dE'$ Examination of the low-energy enhancement of the strength function of $\int \rho(E) \rho(E') dE dE'$ Physical Review C, 2018, 97, .	2.9	9
2	Proton light yield in organic scintillators using a double time-of-flight technique. Journal of Applied Physics, 2018, 124, .	2.9	28
3	Statistical properties of $\int \rho(E) \rho(E') dE dE'$ cross sections constrained with statistical decay properties of Physical Review C, 2017, 95, .	2.9	15
4	A recoverable gas-cell diagnostic for the National Ignition Facility. Review of Scientific Instruments, 2016, 87, 11D825.	1.3	7
5	Completing the nuclear reaction puzzle of the nucleosynthesis of Mo92. Physical Review C, 2016, 94, .	2.9	14
6	Statistical properties of $\int \rho(E) \rho(E') dE dE'$ and $\int \rho(E) \rho(E') dE dE'$ Physical Review C, 2016, 93, .	2.9	21
7	$\hat{\Gamma}^3$ -ray decay from neutron-bound and unbound states in Mo95 and a novel technique for spin determination. Physical Review C, 2016, 93, .	2.9	5
8	Low-energy enhancement in the $\int \rho(E) \rho(E') dE dE'$ functions of $\int \rho(E) \rho(E') dE dE'$ Physical Review C, 2015, 91, .	2.9	31
9	$\hat{\Gamma}^3$ decay from the quasicontinuum of Au197,198. Physical Review C, 2015, 91, .	2.9	11
10	First evidence of low energy enhancement in Ge isotopes. EPJ Web of Conferences, 2015, 93, 04003.	0.3	1
11	Scissors resonance in the quasicontinuum of Th, Pa, and U isotopes. Physical Review C, 2014, 89, .	2.9	62
12	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
13	Nuclear imaging of the fuel assembly in ignition experiments. Physics of Plasmas, 2013, 20, 056320.	1.9	65
14	Constant-temperature level densities in the quasicontinuum of Th and U isotopes. Physical Review C, 2013, 88, .	2.9	54
15	Statistical $\hat{\Gamma}^3$ rays in the analysis of surrogate nuclear reactions. Physical Review C, 2012, 85, .	2.9	8
16	Characterizing time decay of bibenzyl scintillator using time correlated single photon counting. Review of Scientific Instruments, 2012, 83, 10D911.	1.3	30
17	Observation of Large Scissors Resonance Strength in Actinides. Physical Review Letters, 2012, 109, 162503.	7.8	62

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19	Enhanced NIF neutron activation diagnostics. Review of Scientific Instruments, 2012, 83, 10D315.	1.3	37
20	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
21	Neutron activation diagnostics at the National Ignition Facility (invited). Review of Scientific Instruments, 2012, 83, 10D313.	1.3	88
22	Low-Energy Enhancement in the Photon Strength of ^{95}Mo . Physical Review Letters, 2012, 108, 162503.	7.8	72
23	State in ^{16}C . Physical Review Letters, 2008,	7.8	66
24	Spectroscopy of the ^{46}Cr nucleus and mirror energy differences. Physical Review C, 2007, 75, .	2.9	10
25	Gamma-Ray Production Cross Sections in Multiple Channels for Neutron-Induced Reaction on ^{48}Ti for $E_n = 1$ to 200 MeV. Nuclear Science and Engineering, 2007, 157, 65-77.	1.1	15
26	Bulk properties of iron isotopes. Physics of Atomic Nuclei, 2007, 70, 1634-1639.	0.4	3
27	Primary versus secondary \hat{I}^3 intensities in ^{171}Yb (n, \hat{I}^3). Physical Review C, 2006, 74, .	2.9	0
28	Deducing the $^{237}\text{U}(n, f)$ cross section using the surrogate ratio method. Physical Review C, 2006, 73, .	2.9	66
29	Population of superdeformed excitations in ^{198}Po . Physical Review C, 2005, 71, .	2.9	3
30	Quasicontinuous decay and properties of superdeformed excitations in ^{195}Pb . Physical Review C, 2005, 71, .	2.9	10
31	Radiative strength functions in ^{98}Mo . Physical Review C, 2005, 71, .	2.9	119
32	Measurements and calculations of $^{238}\text{U}(n, xn)^3$ partial \hat{I}^3 -ray cross sections. Physical Review C, 2004, 69, .	2.9	44
33	Nature of the pygmy resonance in continuous \hat{I}^3 spectra. Physics of Atomic Nuclei, 2004, 67, 1866-1872.	0.4	1
34	Level densities in ^{56}Fe , ^{57}Fe and ^{96}Mo , ^{97}Mo . Physical Review C, 2003, 68, .	2.9	31
35	$^{239}\text{Pu}(n, 2n)^{238}\text{Pu}$ cross section deduced using a combination of experiment and theory. Physical Review C, 2002, 65, .	2.9	20
36	High-spin excitations in ^{92}Zr , ^{93}Zr , ^{94}Zr , ^{95}Zr . Physical Review C, 2002, 65, .	2.9	35

#	ARTICLE	IF	CITATIONS
37	$^{196}\text{Pt}(n,xnyp\hat{1}^3)$ reactions using spallation neutrons from $E_n=1$ to 250 MeV. <i>Physical Review C</i> , 2001, 64, .	2.9	11
38	Observation of $\nu h_{11/2}$ pair alignment in neutron-rich ^{118}Pd . <i>Physical Review C</i> , 2001, 63, .	2.9	30
39	Observation of ^{46}Ca and Testing the Isobaric Multiplet Mass Equation at High Spin. <i>Physical Review Letters</i> , 2001, 87, 132502.	7.8	44
40	$^{92}\text{Mo}(n,xnyp\hat{1}^3)$ reactions for neutron energies up to 250 MeV. <i>Physical Review C</i> , 2000, 62, .	2.9	13
41	Quasicontinuous decay spectra of superdeformed bands in $^{192,194}\text{Pb}$ and energy gaps in level density at moderate angular momenta. <i>Physical Review C</i> , 2000, 61, .	2.9	10
42	Observation of $\nu h_{11/2}$ sequences in odd $A \hat{1}^4$ ^{110}Ni nuclei. <i>Physical Review C</i> , 2000, 61, .	2.9	33
43	Identification of high spin states in neutron-rich $^{113,115,117}\text{Pd}$ nuclei. <i>Physical Review C</i> , 1999, 61, .	2.9	33
44	Identification of new negative-parity levels in $^{152,154}\text{Nd}$. <i>Physical Review C</i> , 1998, 57, 2040-2042.	2.9	19
45	Weak coupling and dipole bands in ^{191}Pb . <i>Physical Review C</i> , 1998, 57, 1624-1633.	2.9	19
46	Probing reaction dynamics with the $^{196}\text{Pt}(n,xn\hat{1}^3)$ reactions for $x \sim 15$. <i>Physical Review C</i> , 1998, 57, R2799-R2803.	2.9	7
47	High-spin excitations in Ru nuclei near $N=60$. <i>Physical Review C</i> , 1998, 58, 1997-2001.	2.9	22
48	Decay and properties of the yrast superdeformed band in ^{192}Pb . <i>Physical Review C</i> , 1997, 56, 2474-2483.	2.9	28
49	Yrast superdeformed band in ^{194}Pb : $\hat{1}^6$ and Ex. <i>Physical Review C</i> , 1997, 55, 2819-2825.	2.9	69
50	Identification of ^{109}Mo and possible octupole correlations in $^{107,109}\text{Mo}$. <i>Physical Review C</i> , 1997, 56, 1344-1349.	2.9	23
51	Decay from a superdeformed band in ^{194}Pb . <i>Physical Review C</i> , 1996, 53, R1461-R1464.	2.9	32
52	Superdeformation in ^{198}Po . <i>Physical Review C</i> , 1996, 53, R541-R543.	2.9	12
53	Shears bands in ^{193}Pb . <i>Physical Review C</i> , 1996, 54, 1106-1116.	2.9	32
54	Confirmation of the superdeformed band in ^{192}Pb . <i>Zeitschrift für Physik A</i> , 1995, 352, 239-240.	0.9	2

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55	Superdeformation in Pb193 and the effects of the N=7 intruder orbital. Physical Review C, 1995, 51, R447-R451.	2.9	26
56	Spectroscopy of Po194. Physical Review C, 1995, 52, R1723-R1726.	2.9	23
57	Onset of collectivity in neutron deficient Po196,198. Physical Review C, 1995, 52, 621-627.	2.9	38
58	Excitations in doubly-magic superdeformed Pb194. Physical Review C, 1994, 50, R1265-R1269.	2.9	13
59	Lifetime measurements in the regular $\hat{\pi}^{\pi}l=1$ oblate band in Pb197. Physical Review C, 1993, 48, R2135-R2139.	2.9	15