

# Ushasi Datta

## List of Publications by Year in descending order

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Version: 2024-02-01

79  
papers

2,510  
citations

279798

23  
h-index

189892

50  
g-index

79  
all docs

79  
docs citations

79  
times ranked

1371  
citing authors



#	ARTICLE	IF	CITATIONS
19	Evidence for octupole correlation and chiral symmetry breaking in $^{124}\text{Cs}$ . Physical Review C, 2015, 92, .		31
20	Response of multi-strip multi-gap resistive plate chamber. Journal of Instrumentation, 2015, 10, P07005-P07005.	1.2	2
21	Coulomb Dissociation Experiment of $^{27}\text{P}$ . Acta Physica Polonica B, 2015, 46, 473.	0.8	0
22	$^{12}\text{C}+\text{p}$ resonant elastic scattering in the Maya active target. European Physical Journal A, 2015, 51, 1.	2.5	5
23	Study of Ground State Wave-function of the Neutron-rich $^{29,30}\text{Na}$ Isotopes through Coulomb Breakup. EPJ Web of Conferences, 2014, 66, 02087.	0.3	4
24	Thermonuclear reaction $^{30}(\text{p},\hat{p}^3)\text{Cl}^{31}$ studied via Coulomb breakup of $\text{Cl}^{31}$ . Physical Review C, 2014, 89, .	2.9	15
25	$^{13,14}\text{B}(n, \hat{p}^3)$ via Coulomb Dissociation for Nucleosynthesis towards the r-Process. Nuclear Data Sheets, 2014, 120, 197-200.	2.2	9
26	Ground-state configuration of neutron-rich Aluminum isotopes through Coulomb Breakup. EPJ Web of Conferences, 2014, 66, 02019.	0.3	1
27	Exotic decay of hot rotating nuclei near proton drip line. EPJ Web of Conferences, 2014, 66, 02089.	0.3	2
28	Structure of the unbound nucleus $^{13}\text{Be}$ : One-neutron knockout reaction data from $^{14}\text{Be}$ analyzed in a holistic approach. Physical Review C, 2013, 87, .	2.9	34
29	Momentum profile analysis in one-neutron knockout from Borromean nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 1309-1313.	4.1	28
30	Measurement of the Dipole Polarizability of the Unstable Neutron-Rich Nucleus $^{68}\text{Ni}$ . Physical Review Letters, 2013, 111, 242503.	7.8	155
31	Continuum: Identification and Structure of its Second $^{14}\text{Be}$ State. Beyond the neutron drip line: The unbound oxygen isotopes $^{25}\text{O}$ and $^{26}\text{O}$ . Physical Review C, 2013, 88, .	7.8	13
32	Continuum: Identification and Structure of its Second $^{14}\text{Be}$ State. Beyond the neutron drip line: The unbound oxygen isotopes $^{25}\text{O}$ and $^{26}\text{O}$ . Physical Review C, 2013, 88, .	2.9	93
33	Shape evolution in $^{123}\text{Cs}$ and $^{124}\text{Ba}$ nuclei. Physical Review C, 2013, 88, .	2.9	8
34	Coulomb excitation of exotic nuclei at the R3B-LAND setup. Journal of Physics: Conference Series, 2013, 420, 012072.	0.4	4
35	Coulomb Dissociation of $^{27}\text{P}$ . Journal of Physics: Conference Series, 2012, 381, 012115.	0.4	0
36	Structure of the As, Ge, Ga nuclei. Nuclear Physics A, 2012, 893, 1-12.	1.5	22

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37	Structure of $C$ : Testing shell model and <i>ab initio</i> approaches. Physical Review C, 2012, 86, .	2.9	32
38	Development of MMRPC prototype for the NeuLAND detector of the R3B collaboration. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 661, S149-S152.	1.6	2
39	$^{28}\text{Si} + ^{90}\text{Zr}$ fusion and transfer reactions around the Coulomb barrier for $^{28}\text{Si} + ^{90,94}\text{Zr}$ systems. Journal of Physics: Conference Series, 2011, 312, 082027.	2.9	25
40	Fusion and transfer reactions around the Coulomb barrier for $^{28}\text{Si} + ^{90,94}\text{Zr}$ systems. Journal of Physics: Conference Series, 2011, 312, 082027.	0.4	2
41	Target dependence in the study of collective modes in stable and exotic Ni nuclei. Journal of Physics: Conference Series, 2010, 202, 012035.	0.4	0
42	The unbound isotopes $^9\text{Li}$ , $^{10}\text{He}$ . Nuclear Physics A, 2010, 842, 15-32.	1.5	64
43	Three-body correlations in the decay of $^{10}\text{He}$ and $^{13}\text{Li}$ . Nuclear Physics A, 2010, 847, 66-88.	1.5	47
44	Channel coupling effects on the fusion excitation functions for $^{28}\text{Si} + ^{90}\text{Zr}$ . Physical Review C, 2009, 79, .	2.9	66
45	Seven-quasiparticle bands in $^{137}\text{Ce}$ . Physical Review C, 2009, 79, .	2.9	10
46	Band structures in near spherical $^{138}\text{Ce}$ . Nuclear Physics A, 2009, 825, 16-38.	1.5	17
47	Properties of the $^7\text{He}$ ground state from $^8\text{He}$ neutron knockout. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 679, 191-196.	4.1	50
48	Pygmy Dipole Strength in Exotic Nuclei and the Equation of State. , , 2009, , .		0
49	Lithium isotopes beyond the drip line. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 666, 430-434.	4.1	79
50	Multi-quasiparticle bands in $^{137}\text{Ce}$ . Physical Review C, 2008, 78, .	2.9	14
51	Search for resonances in $^4\text{n}$ , $^7\text{H}$ and $^9\text{He}$ via transfer reactions. AIP Conference Proceedings, 2007, , .	0.4	10
52	Nuclear symmetry energy and neutron skins derived from pygmy dipole resonances. Physical Review C, 2007, 76, .	2.9	334
53	Sub-Barrier Coulomb Excitation of $^{110}\text{Sn}$ and Its Implications for the $^{100}\text{Sn}$ Shell Closure. Physical Review Letters, 2007, 98, .	7.8	94
54	Systematic investigation of the drip-line nuclei $^{11}\text{Li}$ and $^{14}\text{Be}$ and their unbound subsystems $^{10}\text{Li}$ and $^{13}\text{Be}$ . Nuclear Physics A, 2007, 791, 267-302.	1.5	113

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55	Dipole response of neutron-rich Sn isotopes. Nuclear Physics A, 2007, 788, 145-152.	1.5	25
56	Indirect measurement of radiative capture cross sections relevant in astrophysical scenarios. Progress in Particle and Nuclear Physics, 2007, 59, 183-192.	14.4	6
57	High spin structure of $^{35}\text{Cl}$ and the $sd$ - $fp$ shell gap. Nuclear Physics A, 2007, 781, 277-295.	1.5	21
58	Coulomb breakup of $^{23}\text{O}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 605, 79-86.	4.1	49
59	Structure of odd-odd $^{136}\text{La}$ at high spin. Nuclear Physics A, 2005, 750, 199-217.	1.5	12
60	Levels in doubly odd $^{138}\text{Pr}$ . European Physical Journal A, 2005, 24, 173-178.	2.5	10
61	One-neutron knockout of $^{23}\text{O}$ . European Physical Journal A, 2005, 25, 343-346.	2.5	7
62	Studies of light neutron-rich nuclei near the drip line. European Physical Journal A, 2005, 25, 339-341.	2.5	4
63	Evidence for Pygmy and Giant Dipole Resonances in $^{130}\text{Sn}$ and $^{132}\text{Sn}$ . Physical Review Letters, 2005, 95, 132501.	7.8	327
64	Coulomb breakup of $psd$ -shell neutron-rich nuclei. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1583-S1587.	3.6	1
65	Structure of neutron-rich oxygen isotopes. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1629-S1632.	3.6	2
66	Shell Structure of the Near-Dripline Nucleus $^{23}\text{O}$ . Physical Review Letters, 2004, 93, 062501.	7.8	78
67	Dipole excitations of neutron-proton asymmetric nuclei. Nuclear Physics A, 2004, 731, 235-248.	1.5	17
68	Coulomb breakup of secondary beams of neutron-rich nuclei. Nuclear Physics A, 2004, 738, 45-51.	1.5	2
69	Nuclear structure of light exotic nuclei from break-up reactions. Nuclear Physics A, 2004, 746, 479-482.	1.5	4
70	Coulomb breakup of the neutron-rich isotopes $^{15}\text{C}$ and $^{17}\text{C}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 551, 63-70.	4.1	105
71	High-energy breakup of $^8\text{B}$ . Nuclear Physics A, 2003, 718, 431-433.	1.5	5
72	Experimental evidence for the $^8\text{B}$ ground state configuration. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 529, 36-41.	4.1	62

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73	Photoneutron Cross Sections for Unstable Neutron-Rich Oxygen Isotopes. Physical Review Letters, 2001, 86, 5442-5445.	7.8	190
74	Structure studies of the exotic nuclei through coulomb dissociation. Progress in Particle and Nuclear Physics, 2001, 46, 319-320.	14.4	0
75	${}^7\text{Li}+{}^{12}\text{C}$ and ${}^7\text{Li}+{}^{13}\text{C}$ fusion reactions at subbarrier energies. Nuclear Physics A, 1996, 596, 299-328.	1.5	35
76	Shapes of odd-odd Pr nuclei. Physical Review C, 1996, 54, 1221-1229.	2.9	6
77	Band structure in ${}^{104}\text{Ag}$ . Zeitschrift für Physik A, 1995, 353, 231-232.	0.9	6
78	${}^{128,130,132,134}\text{La}$ in the axially symmetric rotor model. Physical Review C, 1995, 52, 117-128.	2.9	9
79	Particle-rotor model analysis of low-spin identical bands in neighboring odd-A and even-even nuclei. Physical Review C, 1994, 50, 1868-1875.	2.9	4