

Ushasi Datta

List of Publications by Year in descending order

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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
1	Evidence of sterile neutrino from endpoint analysis of $\bar{\nu}$ -spectrum. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 125201.	3.6	0
2	Neutron capture cross sections of light neutron-rich nuclei relevant for r -process nucleosynthesis. Physical Review C, 2021, 104, .	2.9	3
3	NeuLAND: The high-resolution neutron time-of-flight spectrometer for R3B at FAIR. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1014, 165701.	1.6	19
4	Study of spectroscopic factors at N= 29 using isobaric analogue resonances in inverse kinematics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 778, 155-160.	4.1	12
5	Strong Neutron Pairing in core+4n Nuclei. Physical Review Letters, 2018, 120, 152504.	7.8	9
6	Quasifree (T_j) ETQq0 0 0 rgBT /Overlock 10 Tf 50 557 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mn>14</mml:mn>). Physical Review C, 2018, 97, .	2.9	15
7	Cluster structure near beta-stability and far from stability. AIP Conference Proceedings, 2018, , . Structure of Be_{13} studied in proton knockout from B_{14} . Physical Review C, 2018, 97, .	0.4	2
8	Coulomb breakup of neutron-rich $^{29,30}\text{Na}$ isotopes near the island of inversion. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 045101.	3.6	3
10	Determination of the neutron-capture rate of C17 for r -process nucleosynthesis. Physical Review C, 2017, 95, .	2.9	10
11	Effective proton-neutron interaction near the drip line from unbound states in F_{25} . Physical Review C, 2017, 96, .	2.9	14
12	Ground-state configuration of neutron-rich Al_{35} via Coulomb breakup. Physical Review C, 2017, 96, .	2.9	3
13	Measurement of the $^{92,93,94,100}\text{Mo}(\bar{\nu}, n)$ reactions by Coulomb Dissociation. Journal of Physics: Conference Series, 2016, 665, 012034.	0.4	1
14	Threshold behavior of interaction potential for the system $^7\text{Li} + ^{64}\text{Ni}$: Comparison with $^6\text{Li} + ^{64}\text{Ni}$. Nuclear Physics A, 2016, 953, 80-94.	1.5	3
15	Direct experimental evidence for a multiparticle-hole ground state configuration of deformed Mg33 . Physical Review C, 2016, 94, .	2.9	10
16	Coulomb dissociation of P_{27} at 500 MeV/u. Physical Review C, 2016, 93, .	2.9	6
17	Systematic investigation of projectile fragmentation using beams of unstable B and C isotopes. Physical Review C, 2016, 93, .	2.9	11
18	Coulomb dissociation of N_{20} . Physical Review C, 2016, 93, .	2.9	8

#	ARTICLE	IF	CITATIONS
19	Evidence for octupole correlation and chiral symmetry breaking in Cs^{124} . Physical Review C, 2015, 92, .	2.9	19
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 P^{27} . 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 $\text{S}^{30}(\text{p}, \gamma)\text{Cl}^{31}$ studied via Coulomb breakup of Cl^{31} . Physical Review C, 2014, 89, .	2.9	15
25	$^{13,14}\text{B}(\text{n}, \gamma)$ 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}Be : One-neutron knockout reaction data from ^{14}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}Ni . Physical Review Letters, 2013, 111, 242503.	7.8	155
31	Continuum: Identification and Structure of its Second ^{14}O Beyond the neutron drip line: The unbound oxygen isotopes State. Beyond the neutron drip line: The unbound oxygen isotopes State.	7.8	13
32	^{25}O and ^{26}O . Physical Review C, 2013, 88, .	2.9	93
33	Shape evolution in ^{123}Cs and ^{124}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 P^{27} . 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 $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\rangle \langle \text{mml:msup} \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 16 \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle \text{C: Testing shell model and ab initio approaches. Physical Review C, 2012, 86, .}$	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	$\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML" display="block">\text{Si} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:mi} \text{ mathvariant="normal">\rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 28 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \text{ mathvariant="normal">\rangle \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:mi} \text{ mathvariant="normal">\rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 90 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 94 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle \text{Zr} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:mi} \text{ mathvariant="normal">\rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 28 \langle \text{sup} \rangle \text{Si} + \langle \text{sup} \rangle 90,94 \langle \text{sup} \rangle \text{Zr}$	2.9	25
40	Fusion and transfer reactions around the Coulomb barrier for $\text{Si}^{28} + \text{Zr}^{90,94}$ 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 9,10He. Nuclear Physics A, 2010, 842, 15-32.	1.5	64
43	Three-body correlations in the decay of 10He and 13Li. Nuclear Physics A, 2010, 847, 66-88.	1.5	47
44	Channel coupling effects on the fusion excitation functions for $\text{Si}^{28} + \text{Zr}^{66}$. Nuclear Physics A, 2010, 847, 10-29.	2.9	66
45	Seven-quasiparticle bands in Ce^{138} . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 679, 139-146.	2.9	10
46	Band structures in near spherical 138Ce. Nuclear Physics A, 2009, 825, 16-38.	1.5	17
47	Properties of the 7He ground state from 8He 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	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 Ce^{137} . Physical Review C, 2008, 78, .	2.9	14
51	Search for resonances in 4n, 7H and 9He 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 Sn^{110} and Its Implications for the Sn^{100} Shell Closure. Physical Review Letters, 2007, 98, .	7.8	94
54	Systematic investigation of the drip-line nuclei 11Li and 14Be and their unbound subsystems 10Li and 13Be . 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}Cl and the sd-fp shell gap. Nuclear Physics A, 2007, 781, 277-295.	1.5	21
58	Coulomb breakup of ^{23}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}La at high spin. Nuclear Physics A, 2005, 750, 199-217.	1.5	12
60	Levels in doubly odd ^{138}Pr . European Physical Journal A, 2005, 24, 173-178.	2.5	10
61	One-neutron knockout of ^{23}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}Sn and ^{132}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}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}C and ^{17}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}B . Nuclear Physics A, 2003, 718, 431-433.	1.5	5
72	Experimental evidence for the ^{8}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 fÃ¼r 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