

Carlos A Bertulani

List of Publications by Year in descending order

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papers

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41344

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45317

90
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318
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318
docs citations

318
times ranked

6634
citing authors

#	ARTICLE	IF	CITATIONS
1	Electromagnetic processes in relativistic heavy ion collisions. Physics Reports, 1988, 163, 299-408.	25.6	765
2	Solar fusion cross sections. II. The $\langle \sigma v \rangle$ chain and CNO cycles. Reviews of Modern Physics, 2011, 83, 195-245.	45.6	574
3	Complete Electric Dipole Response and the Neutron Skin in ^{208}Pb . Physical Review Letters, 2011, 107, 062502.	7.8	418
4	Coulomb dissociation as a source of information on radiative capture processes of astrophysical interest. Nuclear Physics A, 1986, 458, 188-204.	1.5	353
5	PHYSICS OF ULTRA-PERIPHERAL NUCLEAR COLLISIONS. Annual Review of Nuclear and Particle Science, 2005, 55, 271-310.	10.2	345
6	Effective field theory for halo nuclei: shallow -wave states. Nuclear Physics A, 2002, 712, 37-58.	1.5	201
7	Coulomb dissociation of ^7Li . Physical Review Letters, 1993, 70, 730-733.	7.8	195
8	Electromagnetic excitation of ^7Li . Physical Review C, 1993, 48, 118-135.	2.9	184
9	Indirect techniques in nuclear astrophysics: a review. Reports on Progress in Physics, 2014, 77, 106901.	20.1	178
10	Momentum distributions of ^9Li fragments following the breakup of ^7Li . Physical Review Letters, 1992, 69, 2050-2053.	7.8	139
11	Microscopic theory of the total reaction cross section and application to stable and exotic nuclei. Physics Reports, 1991, 201, 279-334.	25.6	138
12	Radiative capture of nucleons at astrophysical energies with single-particle states. Atomic Data and Nuclear Data Tables, 2010, 96, 824-847.	2.4	133
13	Electric Dipole Polarizability of ^{48}Ca and Implications for the Neutron Skin. Physical Review Letters, 2017, 118, 252501.	7.8	130
14	The structure and reactions of neutron-rich nuclei. Physics Reports, 1993, 226, 281-376.	25.6	128
15	Measurement of the Coulomb Dissociation of ^8B at 254 MeV/nucleon and the ^8B Solar Neutrino Flux. Physical Review Letters, 1999, 83, 2910-2913.	7.8	126
16	Higher-order dynamical effects in Coulomb dissociation. Nuclear Physics A, 1995, 581, 107-118.	1.5	119
17	Odd-even mass differences from self-consistent mean field theory. Physical Review C, 2009, 79, .	2.9	118
18	Coincidence cross sections for the dissociation of light ions in high-energy collisions. Nuclear Physics A, 1988, 480, 615-628.	1.5	115

#	ARTICLE	IF	CITATIONS
19	Scattering of radioactive nuclei ${}^6\text{He}$ and ${}^3\text{H}$ by protons: Effects of neutron skin and halo in ${}^6\text{He}$, ${}^8\text{He}$, and ${}^{11}\text{Li}$. Nuclear Physics A, 1997, 617, 45-56.	1.5	115
20	Beyond the neutron drip line: The unbound oxygen isotopes ${}^{25}\text{O}$ and ${}^{26}\text{O}$. Physical Review C, 2013, 88, .	2.9	93
21	Frontiers in nuclear astrophysics. Progress in Particle and Nuclear Physics, 2016, 89, 56-100.	14.4	92
22	RADCAP: A potential model tool for direct capture reactions. Computer Physics Communications, 2003, 156, 123-141.	7.5	89
23	Microscopic studies on two-phonon giant resonances. Physics Reports, 1999, 321, 139-251.	25.6	88
24	Pygmy dipole resonance in ${}^{208}\text{Pb}$. Physical Review C, 2012, 85, .	2.9	88
25	BIG BANG NUCLEOSYNTHESIS REVISITED VIA TROJAN HORSE METHOD MEASUREMENTS. Astrophysical Journal, 2014, 786, 112.	4.5	86
26	The electron-ion scattering experiment ELISE at the International Facility for Antiproton and Ion Research (FAIR) A conceptual design study. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 637, 60-76.	1.6	85
27	Dipole polarizability of ${}^{120}\text{Sn}$ and nuclear energy density functionals. Physical Review C, 2015, 92, .	2.9	85
28	Nuclear astrophysics with radioactive beams. Physics Reports, 2010, 485, 195-259.	25.6	83
29	Nuclear halo structure and pseudospin symmetry. Physical Review C, 2010, 81, .	2.9	75
30	Momentum distributions in stripping reactions of radioactive projectiles at intermediate energies. Physical Review C, 2004, 70, .	2.9	74
31	Semiclassical calculation of Coulomb break-up of weakly-bound nuclei. Nuclear Physics A, 1992, 539, 163-176.	1.5	71
32	Momentum distributions in reactions with radioactive beams. Physical Review C, 1992, 46, 2638-2641.	2.9	70
33	Quasifree (${}^3\text{He}$) ${}^3\text{He}$ reactions on Oxygen Isotopes: Observation of Isospin Independence of the Reduced Single-Particle Strength. Physical Review Letters, 2018, 120, 052501.	7.8	69
34	Two-neutron removal cross sections of ${}^{11}\text{Li}$ projectiles. Nuclear Physics A, 1991, 526, 751-761.	1.5	66
35	MOMDIS: a Glauber model computer code for knockout reactions. Computer Physics Communications, 2006, 175, 372-380.	7.5	66
36			

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37	Quenching of single-particle strength from direct reactions with stable and rare-isotope beams. Progress in Particle and Nuclear Physics, 2021, 118, 103847.	14.4	64
38	Knockout from ^{46}Ar , ^{-3}n neutron removal and deviations from eikonal theory. Physical Review C, 2005, 71, .	2.9	63
39	NON-EXTENSIVE STATISTICS TO THE COSMOLOGICAL LITHIUM PROBLEM. Astrophysical Journal, 2017, 834, 165.	4.5	63
40	Low-energy electric dipole response in ^{120}Sn . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 744, 7-12.	4.1	62
41	Relativistic coulomb collisions and the virtual radiation spectrum. Nuclear Physics A, 1985, 442, 739-752.	1.5	59
42	Multiple electromagnetic excitation of giant dipole phonons in relativistic heavy ion collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 174, 23-26.	4.1	59
43	Pauli blocking and medium effects in nucleon knockout reactions. Physical Review C, 2010, 81, .	2.9	58
44	Excitation and photon decay of giant resonances from high-energy collisions of heavy ions. Nuclear Physics A, 1993, 554, 158-172.	1.5	56
45	Nuclear Physics in a Nutshell. , 2007, , .		56
46	Relativistic Continuum-Continuum Coupling in the Dissociation of Halo Nuclei. Physical Review Letters, 2005, 94, 072701.	7.8	55
47	Peripheral heavy ion collisions as a probe of the nuclear gluon distribution. Physical Review C, 2002, 65, .	2.9	54
48	Constraining gluon shadowing using photoproduction in ultraperipheral collisions. Physical Review C, 2012, 85, .	2.9	51
49	Higher-order electromagnetic interaction in the dissociation of fast particles. Nuclear Physics A, 1992, 550, 527-539.	1.5	50
50	Elastic and inelastic scattering of exotic nuclei. Nuclear Physics A, 1997, 616, 189-200.	1.5	50
51	Effects of distortion of the intercluster motion in $^{12}\text{C}(\alpha, n)^{15}\text{O}$ and $^{12}\text{C}(\alpha, p)^{13}\text{C}$ reactions. Nuclear Physics A, 1994, 577, 1-12.	2.9	50
52	Trojan Horse measurement of the $^{18}\text{F}(p, \alpha)^{15}\text{O}$ astrophysical S(E)-factor. European Physical Journal A, 2016, 52, 1.	2.5	50
53	The astrophysical reactions $^{12}\text{C}(\alpha, n)^{15}\text{O}$ and $^{12}\text{C}(\alpha, p)^{13}\text{C}$ and Coulomb dissociation experiments. Physical Review C, 1994, 49, 2688-2694.	2.9	49
54	Cross-section Measurement of the Cosmologically Relevant $^{7}\text{Be}(n, \alpha)^{4}\text{He}$ Reaction over a Broad Energy Range in a Single Experiment. Astrophysical Journal, 2019, 879, 23.	4.5	49

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55	Theory of multiphonon excitation in heavy-ion collisions. <i>Physical Review C</i> , 1996, 53, 334-346.	2.9	48
56	A computer program for nuclear scattering at intermediate and high energies. <i>Computer Physics Communications</i> , 2003, 152, 317-340.	7.5	48
57	Observation of a correlated free four-neutron system. <i>Nature</i> , 2022, 606, 678-682.	27.8	48
58	Electromagnetic processes in relativistic heavy ion collisions. <i>Nuclear Physics A</i> , 1986, 458, 725-744.	1.5	46
59	Coulomb reacceleration as a clock for nuclear reactions. <i>Nuclear Physics A</i> , 1993, 556, 136-146.	1.5	46
60	Updated evidence of the Trojan horse particle invariance for the $^2\text{H}(t, \text{He})^3\text{He}$ reaction. <i>Physical Review Letters</i> , 2010, 105, 252501.	2.9	45
61	Momentum distributions of ^9Li fragments from the breakup of ^8Li and the neutron halo. <i>Physical Review C</i> , 1995, 51, 3116-3126.	2.9	44
62	Coulomb excitation in intermediate-energy collisions. <i>Nuclear Physics A</i> , 1989, 505, 448-470.	1.5	43
63	$^7\text{Be}(p, \hat{p})^8\text{B}$ factor from a binitio no-core shell model wave functions. <i>Physical Review C</i> , 2006, 73, .	2.9	43
64	Geometry of Borromean halo nuclei. <i>Physical Review C</i> , 2007, 76, .	2.9	42
65	Electromagnetic physics at relativistic heavy ion colliders, for better and for worse. <i>Nuclear Physics A</i> , 1989, 505, 835-848.	1.5	41
66	Tunneling of a composite particle: effects of intrinsic structure. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2007, 34, 2289-2295.	3.6	41
67	Exclusive measurements of quasi-free proton scattering reactions in inverse and complete kinematics. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 753, 204-210.	4.1	41
68	How Robust is the $^3\text{H}(\alpha, n)^7\text{Li}$ Reaction? Subshell Closure? First Spectroscopy of ^7Li . <i>Physical Review Letters</i> , 2010, 105, 252501.	7.8	41
69	Effects of high-order deformation on high- K isomers in superheavy nuclei. <i>Physical Review C</i> , 2011, 83, .	2.9	40
70	On the Determination of the $^7\text{Be}(n, \hat{p})^4\text{He}$ Reaction Cross Section at BBN Energies. <i>Astrophysical Journal</i> , 2017, 850, 175.	4.5	40
71	Two-phonon giant resonances in ^{136}Xe , ^{208}Pb , and ^{238}U . <i>Physical Review C</i> , 2003, 68, .	2.9	37
72	Multistep fragmentation of heavy ions in peripheral collisions at relativistic energies. <i>Physical Review C</i> , 1986, 34, 1654-1662.	2.9	36

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73	Neutron removal in peripheral relativistic heavy-ion collisions. <i>Physical Review C</i> , 1995, 51, 416-419.	2.9	36
74	Comment on ^8Be contribution to the $^8\text{Be} + ^7\text{Be}$ Coulomb dissociation cross section σ^{TM} . <i>Physical Review C</i> , 1995, 52, 1706-1708.	2.9	35
75	Is the tetra-neutron a bound dineutron-dineutron molecule?. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2003, 29, 2431-2437.	3.6	35
76	Peeling Off Neutron Skins from Neutron-Rich Nuclei: Constraints on the Symmetry Energy from Neutron-Removal Cross Sections. <i>Physical Review Letters</i> , 2017, 119, 262501.	7.8	35
77	Relativistic Heavy-Ion Physics Without Nuclear Contact. <i>Physics Today</i> , 1994, 47, 22-27.	0.3	35
78	The electron screening puzzle and nuclear clustering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 755, 275-278.	4.1	34
79	Proton scattering by ^8He and neutron halo effects. <i>Nuclear Physics A</i> , 1995, 587, 291-300.	1.5	33
80	Direct versus sequential fragmentation of neutron-rich nuclei. <i>Physical Review Letters</i> , 1990, 64, 1099-1102.	7.8	32
81	$^7\text{Be}(p, n)^8\text{B}$ S-factor from ab initio wave functions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006, 634, 191-194.	4.1	32
82	Probing nuclear skins and halos with elastic electron scattering. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2007, 34, 315-333.	3.6	32
83	Relativistic Coulomb Excitation within the Time Dependent Superfluid Local Density Approximation. <i>Physical Review Letters</i> , 2015, 114, 012701.	7.8	32
84	Test of the Brink-Axel Hypothesis for the Pygmy Dipole Resonance. <i>Physical Review Letters</i> , 2017, 119, 182503.	7.8	32
85	Unperturbed inverse kinematics nucleon knockout measurements with a carbon beam. <i>Nature Physics</i> , 2021, 17, 693-699.	16.7	32
86	Primordial ^6Li reaction and second lithium puzzle. <i>Physical Review Letters</i> , 2011, 106, 082501.	2.9	31
87	Neutral Particle and Charge-Exchange Reactions on ^6Li . <i>Physical Review C</i> , 2011, 83, 014607.	2.9	30
88	A coupled-channels study of ^{11}Be Coulomb excitation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995, 353, 413-416.	4.1	29
89	The photodissociation of ^8B and the solar neutrino problem. <i>Nuclear Physics A</i> , 1995, 587, 318-338.	1.5	29
90	Fusion of halo nuclei. <i>Nuclear Physics A</i> , 1995, 588, c85-c89.	1.5	29

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91	Relativistic coulomb collisions and the virtual radiation spectrum. Nuclear Physics A, 1985, 442, 739-752.	1.5	28
92	Multipole response of Li11. Physical Review C, 1992, 46, 2340-2343.	2.9	28
93	Small effects in astrophysical fusion reactions. Nuclear Physics A, 1997, 627, 324-333.	1.5	28
94	Excitation of multiphonon states in relativistic heavy-ion collisions. Physical Review Letters, 1993, 71, 967-970.	7.8	27
95	Coulomb reacceleration as a clock for nuclear reactions: A two-dimensional model. Physical Review C, 1994, 49, 2839-2842.	2.9	27
96	Probing the ground-state and transition densities of halo nuclei. Nuclear Physics A, 1995, 588, 667-692.	1.5	27
97	The Trojan Horse Method: A Nuclear Physics Tool for Astrophysics. Annual Review of Nuclear and Particle Science, 2021, 71, 345-376.	10.2	27
98	Electron screening and its effects on big-bang nucleosynthesis. Physical Review C, 2011, 83, .	2.9	26
99	Role of pairing in the description of giant monopole resonances. Physical Review C, 2013, 88, .	2.9	26
100	A study of the Coulomb dissociation of ^8B and the $^7\text{Be}(p, \hat{1}^3) ^8\text{B}$ reaction. Nuclear Physics A, 1998, 636, 227-239.	1.5	25
101	Bremsstrahlung radiation by a tunneling particle: A time-dependent description. Physical Review C, 1999, 60, .	2.9	25
102	Electric and magnetic dipole strength in ^{112}Sn . Physical Review C, 2020, 102, .	2.9	25
103	Heavy-ion charge exchange in the eikonal approximation. Nuclear Physics A, 1993, 554, 493-508.	1.5	24
104	Excitation of multiphonon giant resonance states in relativistic heavy-ion collisions. Nuclear Physics A, 1994, 568, 931-952.	1.5	24
105	Revised result for the $^{32}\text{Cl}(p, \hat{1}^3)^{33}\text{Ar}$ reaction rate for astrophysical r -process calculations. Physical Review C, 2005, 72, .	2.9	24
106	The ^{112}Sn electric and magnetic dipole strength. Physical Review C, 2020, 102, .		

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109	Deformation dependence of the isovector giant dipole resonance: The neodymium isotopic chain revisited. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 776, 133-138.	4.1	24
110	Electromagnetic production of heavy leptons in relativistic heavy ion collisions. <i>Physical Review C</i> , 1987, 35, 836-837.	2.9	23
111	Electromagnetic excitation of one- and multiphonon giant resonance states with relativistic heavy ions. <i>Nuclear Physics A</i> , 1988, 482, 313-328.	1.5	23
112	Proton vs neutron halo breakup. <i>Physical Review C</i> , 2004, 69, .	2.9	23
113	Odd-even mass difference and isospin dependent pairing interaction. <i>Physical Review C</i> , 2009, 80, .	2.9	23
114	Intermediate energy Coulomb excitation as a probe of nuclear structure at radioactive beam facilities. <i>Physical Review C</i> , 2003, 68, .	2.9	22
115	BIG BANG NUCLEOSYNTHESIS WITH A NON-MAXWELLIAN DISTRIBUTION. <i>Astrophysical Journal</i> , 2013, 767, 67.	4.5	22
116	Dissociation of Relativistic Projectiles with the Continuum-Discretized Coupled-Channels Method. <i>Progress of Theoretical Physics</i> , 2009, 121, 1399-1406.	2.0	21
117	Global investigation of odd-even mass differences and radii with isospin-dependent pairing interactions. <i>Physical Review C</i> , 2012, 85, .	2.9	21
118	First Study of Heavy-Ion Mirror Charge Exchange. <i>Physical Review Letters</i> , 1996, 76, 26-29.	7.8	20
119	Antihydrogen production and accuracy of the equivalent photon approximation. <i>Physical Review D</i> , 1998, 58, .	4.7	20
120	Density dependence of in-medium nucleon-nucleon cross sections. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2001, 27, L67-L71.	3.6	20
121	$^7\text{Be}(p, \hat{p})^8\text{B}$ cross section from indirect breakup experiments. <i>Zeitschrift für Physik A</i> , 1996, 356, 293-297.	0.9	19
122	Multiphonon giant resonances. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 1998, 24, 1165-1179.	3.6	19
123	The astrophysical reaction $^8\text{Li}(n, \gamma)^9\text{Li}$ from measurements by reverse kinematics. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 1999, 25, 1959-1963.	3.6	18
124	Quasi-free neutron and proton knockout reactions from light nuclei in a wide neutron-to-proton asymmetry range. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 795, 682-688.	4.1	18
125	Neutron stars in $f(R, L_m)$ gravity with realistic equations of state: joint-constraints with GW170817, massive pulsars, and the PSR J0030+0451 mass-radius from NICER data. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	18
126	Two- and three-photon fusion in relativistic heavy-ion collisions. <i>Nuclear Physics A</i> , 2002, 703, 861-875.	1.5	17

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127	Detection of supernova neutrinos with neutrino-iron scattering. <i>Physical Review C</i> , 2008, 78, .	2.9	17
128	Evolution of the dipole polarizability in the stable tin isotope chain. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 810, 135804.	4.1	17
129	Relativistic coulomb excitation of giant resonances in the hydrodynamical model. <i>Nuclear Physics A</i> , 1990, 517, 639-658.	1.5	16
130	Excitation of soft dipole modes in electron scattering. <i>Physical Review C</i> , 2007, 75, .	2.9	16
131	Probing two-photon decay widths of mesons at energies available at the CERN Large Hadron Collider (LHC). <i>Physical Review C</i> , 2009, 79, .	2.9	16
132	Color van der Waals force acting in heavy-ion scattering at low energies. <i>Physical Review Letters</i> , 1990, 65, 839-842.	7.8	15
133	Direct projectile break-up and its relation to the astrophysically relevant fusion reactions. <i>Nuclear Physics A</i> , 1991, 524, 306-320.	1.5	15
134	Charge exchange in relativistic heavy-ion collisions. <i>Nuclear Physics A</i> , 2000, 674, 527-538.	1.5	15
135	${}^7\text{Be}(p, {}^3\text{He}){}^8\text{B}$ S-factor from ab initio wave functions. <i>Nuclear Physics A</i> , 2007, 787, 539-546.	1.5	15
136	Fusion11 Conference Summary. <i>EPJ Web of Conferences</i> , 2011, 17, 15001.	0.3	15
137	Subthreshold resonances and resonances in the R -matrix method for binary reactions and in the Trojan horse method. <i>Physical Review C</i> , 2017, 96, .	2.9	15
138	Quasifree (T_j) ${}^7\text{Be}({}^3\text{He}, p){}^8\text{B}$ S -factor from ab initio wave functions. <i>Physical Review C</i> , 2018, 97, .	2.9	15
139	Clusters and their fundamental role for Trojan Horse Method. <i>European Physical Journal A</i> , 2020, 56, 1.	2.5	15
140	A computer program for relativistic multiple Coulomb and nuclear excitation. <i>Computer Physics Communications</i> , 1999, 116, 345-352.	7.5	14
141	Breakup of the weakly bound ${}^{17}\text{F}$ nucleus. <i>Nuclear Physics A</i> , 2003, 717, 199-213.	1.5	14
142	Electronic stopping in astrophysical fusion reactions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004, 585, 35-41.	4.1	14
143	Deformation and its influence on K -isomerism in neutron-rich Hf nuclei. <i>Physical Review C</i> , 2011, 83, .	2.9	14
144	Effective proton-neutron interaction near the drip line from unbound states in F . <i>Physical Review C</i> , 2017, 96, .	2.9	14

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145	Indirect methods in nuclear astrophysics with relativistic radioactive beams. Progress in Particle and Nuclear Physics, 2020, 112, 103753.	14.4	14
146	$7\text{Be}(p, \hat{1}^3)8\text{B}$ cross section from indirect breakup experiments. Zeitschrift für Physik A, 1987, 356, 293-297.	0.9	13
147	Elastic scattering of protons from $\text{Li}11$ and the neutron halo. Physical Review C, 1991, 43, 2722-2727.	2.9	13
148	Low energy behavior of $\text{Li}11$ dissociation cross section. Physical Review C, 1991, 44, 2219-2221.	2.9	13
149	Quenching of $1+$ excitations in the double giant resonance. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 388, 457-461.	4.1	13
150	Light radioactive nuclei capture reactions with phenomenological potential models. AIP Conference Proceedings, 2010, , .	0.4	13
151	Hybrid random-phase-approximation "cluster model for the dipole strength function of $\text{Li}11$. Physical Review C, 1991, 43, R2049-R2051.	2.9	12
152	Pair production with electron capture in peripheral collisions of relativistic heavy ions. Nuclear Physics A, 2001, 683, 635-648.	1.5	12
153	Multipole expansion for relativistic Coulomb excitation. Physical Review C, 2002, 65, .	2.9	12
154	Coulomb excitation of unstable nuclei at intermediate energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 650, 233-238.	4.1	12
155	Blurred femtoscopy in two-proton decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 666, 86-90.	4.1	12
156	Determining the $7\text{Li}(n, \hat{1}^3)$ cross section via Coulomb dissociation of 8Li . Physical Review C, 2013, 88, .	2.9	12
157	Microscopic in-medium nucleon-nucleon cross sections with improved Pauli blocking effects. Physical Review C, 2013, 87, .	2.9	12
158	Neutron occupancy of the $\text{O}d5/2$ orbital and the $N=16$ shell closure in 24O . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 739, 19-22.	4.1	12
159	Knockout and fragmentation reactions using a broad range of tin isotopes. Physical Review C, 2017, 96, .	2.9	12
160	Assessing the foundation of the Trojan Horse Method. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 217-221.	4.1	12
161	Neutron skins as laboratory constraints on properties of neutron stars and on what we can learn from heavy ion fragmentation reactions. Physical Review C, 2019, 100, .	2.9	12
162	Fine structure of the isovector giant dipole resonance in Nd and Sm . http://www.w3.org/1998/Math/MathML $\langle \text{Nd} \rangle$ and $\langle \text{Sm} \rangle</math> http://www.w3.org/1998/Math/MathML 142 and 150</math> http://www.w3.org/1998/Math/MathML $\hat{1}^3$ http://www.w3.org/1998/Math/MathML $\text{Sm}$$	2.9	12

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163	Molecular bond effects in the fusion of halo nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 314, 275-278.	4.1	11
164	Fermi and Gamow-Teller strength in charge exchange with radioactive beams. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997, 402, 237-242.	4.1	11
165	Impact-parameter dependence of giant resonance excitations in relativistic heavy-ion collisions. <i>Physical Review C</i> , 1999, 60, .	2.9	11
166	Electron scattering on halo nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005, 624, 203-209.	4.1	11
167	QRAP: A numerical code for projected (Q)uasi-particle (R)andom (P)hase approximation. <i>Computer Physics Communications</i> , 2010, 181, 1123-1135.	7.5	11
168	Systematic investigation of projectile fragmentation using beams of unstable B and C isotopes. <i>Physical Review C</i> , 2016, 93, .	2.9	11
169	Coulomb and nuclear excitations of narrow resonances in ^{17}Ne . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 759, 200-205.	4.1	11
170	Elastic Coulomb scattering of heavy ions at intermediate energies. <i>Physical Review C</i> , 1990, 42, 2180-2186.	2.9	10
171	Multipole Excitations in Light Neutron-Rich Nuclei. <i>Progress of Theoretical Physics Supplement</i> , 1996, 124, 143-153.	0.1	10
172	Two-Phonon Background for the Double Giant Resonance. <i>Physical Review Letters</i> , 1997, 79, 3853-3856.	7.8	10
173	Stopping of swift protons in matter and its implication for astrophysical fusion reactions. <i>Physical Review C</i> , 2000, 62, .	2.9	10
174	Surface-integral formalism of deuteron stripping. <i>Physical Review C</i> , 2014, 90, .	2.9	10
175	Odd-even mass staggering with Skyrme-Hartree-Fock-Bogoliubov theory. <i>Physical Review C</i> , 2015, 91, .	2.9	10
176	Determination of the neutron-capture rate of ^{17}C for r -process nucleosynthesis. <i>Physical Review C</i> , 2017, 95, .	2.9	10
177	$^{13,14}\text{B}(n, \hat{1}^3)$ via Coulomb Dissociation for Nucleosynthesis towards the r-Process. <i>Nuclear Data Sheets</i> , 2014, 120, 197-200.	2.2	9
178	Tunneling of Atoms, Nuclei and Molecules. <i>Few-Body Systems</i> , 2015, 56, 727-736.	1.5	9
179	Indirect methods in nuclear astrophysics. <i>Journal of Physics: Conference Series</i> , 2016, 703, 012007.	0.4	9
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