

Carlos A Bertulani

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4342374/publications.pdf>

Version: 2024-02-01

311
papers

10,072
citations

41344

49
h-index

45317

90
g-index

318
all docs

318
docs citations

318
times ranked

6634
citing authors

#	ARTICLE	IF	CITATIONS
1	Isotopic cross sections of fragmentation residues produced by light projectiles on carbon near 400 MeV . Physical Review C, 2022, 105, .	2.9	2
2	Editorial: re-writing nuclear physics textbooks. European Physical Journal Plus, 2022, 137, 1.	2.6	1
3	Unveiling the two-proton halo character of ^{17}Ne : Exclusive measurement of quasi-free proton-knockout reactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 827, 136957.	4.1	6
4	Nuclear spectroscopy with heavy ion nucleon knockout and (p,2p) reactions. Physical Review C, 2022, 105, .	2.9	5
5	Observation of a correlated free four-neutron system. Nature, 2022, 606, 678-682.	27.8	48
6	Neutron Capture Cross Sections of Radioactive Nuclei. Brazilian Journal of Physics, 2021, 51, 212-222.	1.4	0
7	The $^3\text{He} + ^5\text{He} \rightarrow \alpha + \alpha$ reaction below the Coulomb barrier via the Trojan Horse Method. European Physical Journal A, 2021, 57, 1.	2.5	1
8	A Tribute to Mahir Saleh Hussein (1944–2019). Brazilian Journal of Physics, 2021, 51, 149-150.	1.4	0
9	Final state interaction in the pn and nn decay channels of $^4_{\text{varLambda}}\text{He}$. European Physical Journal A, 2021, 57, 1.	2.5	1
10	Quasi-free scattering in inverse kinematics as a tool to unveil the structure of nuclei. European Physical Journal A, 2021, 57, 1.	2.5	7
11	Unperturbed inverse kinematics nucleon knockout measurements with a carbon beam. Nature Physics, 2021, 17, 693-699.	16.7	32
12	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
13	Neutron Tunneling: A New Mechanism to Power Explosive Phenomena in Neutron Stars, Magnetars, and Neutron Star Mergers. Astrophysical Journal, 2021, 912, 105.	4.5	1
14	Topical issue on cluster structure and dynamics of nuclei: a tribute to Mahir Hussein. European Physical Journal A, 2021, 57, 1.	2.5	1
15	Neutron-neutron scattering length from the $^6\text{Li}(d,n)^7\text{He}$ reaction. Physical Review C, 2021, 104, .	2.9	9
16	The Trojan Horse Method: A Nuclear Physics Tool for Astrophysics. Annual Review of Nuclear and Particle Science, 2021, 71, 345-376.	10.2	27
17	New Thermonuclear Rate of $^7\text{Li}(d,n)^4\text{He}$ Relevant to the Cosmological Lithium Problem. Astrophysical Journal, 2021, 920, 145.	4.5	5
18	Neutron stars in (R, L_m) gravity with realistic equations of state: joint-constrains with GW170817, massive pulsars, and the PSR J0030+0451 mass-radius from NICER data. European Physical Journal C, 2021, 81, 1.	3.9	18

#	ARTICLE	IF	CITATIONS
19	Examination of the sensitivity of quasifree reactions to details of the bound-state overlap functions. Physical Review C, 2021, 104, .	2.9	6
20	Indirect methods in nuclear astrophysics with relativistic radioactive beams. Progress in Particle and Nuclear Physics, 2020, 112, 103753.	14.4	14
21	The ${}^7\text{Be}(n,\alpha){}^4\text{He}$ Reaction Studied via THM for the Cosmological Li-Problem. , 2020, , .		0
22	Nuclear medium effect on neutron capture reactions during neutron star mergers. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 095101.	3.6	1
23	Clusters and their fundamental role for Trojan Horse Method. European Physical Journal A, 2020, 56, 1.	2.5	15
24	Evolution of the dipole polarizability in the stable tin isotope chain. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 810, 135804.	4.1	17
25	Eikonal method for charge-exchange reactions at intermediate energies. Physical Review C, 2020, 102, .	2.9	3
26	Probing the $Z=6$ spin-orbit shell gap with (p,2p) quasi-free scattering reactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 809, 135748.	4.1	2
27	Systematic reduction of the proton-removal cross section in neutron-rich medium-mass nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 811, 135962.	4.1	9
28	Topology of nuclear reaction networks of interest for astrophysics. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	5.1	3
29	Post-formation in alpha emission from nuclei. EPJ Web of Conferences, 2020, 227, 01001.	0.3	1
30	Fission of Relativistic Nuclei with Fragment Excitation and Reorientation. Physical Review Letters, 2020, 124, 132301.	7.8	3
31	Inclusive Breakup Reaction of a Two-Cluster Projectile on a Two-Fragment Target: A Genuine Four-Body Problem. Springer Proceedings in Physics, 2020, , 201-208.	0.2	2
32	Electric and magnetic dipole strength in ${}^{112}\text{Sn}$ and ${}^{114}\text{Sn}$. Physical Review C, 2020, 102, .	2.9	25
33	Electric and magnetic dipole strength in ${}^{142}\text{Nd}$ and ${}^{150}\text{Nd}$. Physical Review C, 2020, 102, .	2.9	12
34	Direct and Indirect Measurements for a Better Understanding of the Primordial Nucleosynthesis. Frontiers in Astronomy and Space Sciences, 2020, 7, .	2.8	4
35	Overview on the Trojan Horse Method in nuclear astrophysics. Journal of Physics: Conference Series, 2020, 1643, 012051.	0.4	0
36	Quasi-free neutron and proton knockout reactions from light nuclei in a wide neutron-to-proton asymmetry range. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 682-688.	4.1	18

#	ARTICLE	IF	CITATIONS
37	Neutron skins as laboratory constraints on properties of neutron stars and on what we can learn from heavy ion fragmentation reactions. <i>Physical Review C</i> , 2019, 100, .	2.9	12
38	Nuclear physics and its role for describing the early universe. <i>International Journal of Modern Physics Conference Series</i> , 2019, 49, 1960012.	0.7	1
39	Fixing the big bang cosmological problem. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
40	Cross-section Measurement of the Cosmologically Relevant ${}^7\text{Be}(n, \hat{\pm}){}^4\text{He}$ Reaction over a Broad Energy Range in a Single Experiment. <i>Astrophysical Journal</i> , 2019, 879, 23.	4.5	49
41	Potential model for nuclear astrophysical fusion reactions with a square-well potential. <i>Physical Review C</i> , 2019, 99, .	2.9	6
42	Big Bang Nucleosynthesis and the Lithium Problem. <i>Journal of Physics: Conference Series</i> , 2019, 1291, 012002.	0.4	4
43	Core longitudinal momentum distributions in the stripping reactions of two-neutron halo nuclei. <i>Journal of Physics: Conference Series</i> , 2019, 1291, 012039.	0.4	1
44	Quasi-free proton knockout from ${}^{12}\text{C}$ on carbon target at 398 MeV/u. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 797, 134802.	4.1	6
45	Focus Point on Rewriting Nuclear Physics textbooks: Basic nuclear interactions and their link to nuclear processes in the Cosmos and on Earth. <i>European Physical Journal Plus</i> , 2019, 134, 1. Prominence of Pairing in Inclusive $\langle \mathbf{p} \rangle$	2.6	0
46	$\langle \mathbf{p} \rangle$ in ${}^2\text{p}$ Tj ET $\langle \mathbf{p} \rangle$		

#	ARTICLE	IF	CITATIONS
55	Comparison of electromagnetic and nuclear dissociation of ^{17}Ne . Physical Review C, 2018, 97, .	2.9	7
56	Electron capture rates in stars studied with heavy ion charge exchange reactions. Journal of Physics: Conference Series, 2018, 940, 012010.	0.4	0
57	Cosmological Lithium Problems. EPJ Web of Conferences, 2018, 184, 01002.	0.3	1
58	Possible determination of high-lying single-particle components with ^{19}F reactions. Physical Review C, 2018, 98, .	2.9	0
59	Probing the Early Universe through nuclear physics. Journal of Physics: Conference Series, 2018, 1078, 012017.	0.4	0
60	Impact of the $^{7}\text{Be}(\hat{\pm}, \hat{1}^3)^{11}\text{C}$ Reaction on the Primordial Abundance of ^7Li . Astrophysical Journal, 2018, 862, 62.	4.5	8
61	^{13}Be studied in proton knockout from ^{14}Be . Physical Review C, 2018, 98, .	2.9	9
62	Maris polarization in neutron-rich nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 778, 30-34.	4.1	3
63	Deformation dependence of the isovector giant dipole resonance: The neodymium isotopic chain revisited. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 133-138.	4.1	24
64	NON-EXTENSIVE STATISTICS TO THE COSMOLOGICAL LITHIUM PROBLEM. Astrophysical Journal, 2017, 834, 165.	4.5	63
65	Internal and external radiative widths in the combined R -matrix and potential-model formalism. Physical Review C, 2017, 95, .	2.9	7
66	Production of exotic charmonium in ultra-peripheral heavy ion collisions. EPJ Web of Conferences, 2017, 137, 06019.	0.3	0
67	Determination of the neutron-capture rate of ^{17}C for r -process nucleosynthesis. Physical Review C, 2017, 95, .	2.9	10
68	Subthreshold resonances and resonances in the R -matrix method for binary reactions and in the Trojan horse method. Physical Review C, 2017, 96, .	2.9	15
69	Relativistic effects in heavy-ion Coulomb scattering. Physical Review C, 2017, 96, .	2.9	0
70	Knockout and fragmentation reactions using a broad range of tin isotopes. Physical Review C, 2017, 96, .	2.9	12
71	Pigmy resonances, transfer, and separable potentials. AIP Conference Proceedings, 2017, , .	0.4	0
72	Neutron removal from the deformed halo nucleus ^{31}Ne . Physical Review C, 2017, 96, .	2.9	7

#	ARTICLE	IF	CITATIONS
73	On the Determination of the ${}^7\text{Be}(n, \hat{1}\pm){}^4\text{He}$ Reaction Cross Section at BBN Energies. <i>Astrophysical Journal</i> , 2017, 850, 175.	4.5	40
74	Effective proton-neutron interaction near the drip line from unbound states in F . <i>Physical Review C</i> , 2017, 96, .	2.9	14
75	The dominance of the $1/2(Od5/2)_2$ configuration in the $N=8$ shell in ${}^{12}\text{Be}$ from the breakup reaction on a proton target at intermediate energy. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 774, 559-563.	4.1	6
76	On the existence of Rydberg nuclear molecules. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 774, 247-251.	4.1	3
77	Test of the Brink-Axel Hypothesis for the Pygmy Dipole Resonance. <i>Physical Review Letters</i> , 2017, 119, 182503.	7.8	32
78	Editorial: Rewriting Nuclear Physics textbooks: 30 years with radioactive ion beam physics. <i>European Physical Journal Plus</i> , 2017, 132, 1.	2.6	5
79	Electric Dipole Polarizability of Ca and Implications for the Neutron Skin. <i>Physical Review Letters</i> , 2017, 119, 262501.	7.8	130
80	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
81	Nuclear clustering and the electron screening puzzle. <i>EPJ Web of Conferences</i> , 2017, 165, 02002.	0.3	2
82	Indirect methods in nuclear astrophysics. <i>Journal of Physics: Conference Series</i> , 2016, 703, 012007.	0.4	9
83	Four neutrons together momentarily. <i>Nature</i> , 2016, 532, 449-449.	27.8	9
84	Dynamical coupling of pygmy and giant resonances in relativistic Coulomb excitation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 757, 553-557.	4.1	5
85	Frontiers in nuclear astrophysics. <i>Progress in Particle and Nuclear Physics</i> , 2016, 89, 56-100.	14.4	92
86	Cosmological and Particle Physics Constraints on a New Non-Abelian $SU(3)$ Gauge Model for Ordinary/Dark Matter Interaction. <i>Brazilian Journal of Physics</i> , 2016, 46, 721-729.	1.4	4
87	Experimental study of the knockout reaction mechanism using ${}^{14}\text{C}$ at 60 MeV/nucleon. <i>Physical Review C</i> , 2016, 93, .	2.9	8
88	Primordial ${}^6\text{Li}$ reaction and second lithium puzzle. <i>Physical Review C</i> , 2016, 93, .	2.9	31
89	Systematic investigation of projectile fragmentation using beams of unstable B and C isotopes. <i>Physical Review C</i> , 2016, 93, .	2.9	11
90	Coulomb dissociation of N . <i>Physical Review C</i> , 2016, 93, .	2.9	8

#	ARTICLE	IF	CITATIONS
91	Exclusive measurements of quasi-free proton scattering reactions in inverse and complete kinematics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 204-210.	4.1	41
92	The cosmological lithium problem revisited. AIP Conference Proceedings, 2016, , .	0.4	1
93	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
94	Coulomb and nuclear excitations of narrow resonances in ^{17}Ne . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 200-205.	4.1	11
95	The electron screening puzzle and nuclear clustering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 275-278.	4.1	34
96	Radiative nucleon capture with quasi-separable potentials. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 125203.	3.6	5
97	Dipole polarizability of ^{120}Sn and nuclear energy density functionals. Physical Review C, 2015, 92, .	2.9	85
98	Evidence of subnucleonic degrees of freedom in π^0 photoproduction in ultraperipheral collisions at energies available at the CERN Large Hadron Collider. Physical Review C, 2015, 92, .	2.9	6
99	First-order neutron-deuteron scattering in a three-dimensional approach. European Physical Journal A, 2015, 51, 1.	2.5	7
100	And there was light. , 2015, , .		0
101	Tunneling of Atoms, Nuclei and Molecules. Few-Body Systems, 2015, 56, 727-736.	1.5	9
102	Relativistic Coulomb Excitation within the Time Dependent Superfluid Local Density Approximation. Physical Review Letters, 2015, 114, 012701.	7.8	32
103	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
104	Odd-even mass staggering with Skyrme-Hartree-Fock-Bogoliubov theory. Physical Review C, 2015, 91, .	2.9	10
105	Current Status of Nuclear Physics Research. Brazilian Journal of Physics, 2015, 45, 730-755.	1.4	5
106	Trojan Horse particle invariance for $^2\text{H}(d,p)^3\text{H}$ reaction: a detailed study. EPJ Web of Conferences, 2014, 66, 07021.	0.3	0
107	Statistical Theory of Breakup Reactions. EPJ Web of Conferences, 2014, 69, 00020.	0.3	1
108	Neutron occupancy of the $5/2^-$ orbital and the N=16 shell closure in ^{24}O . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 739, 19-22.	4.1	12

#	ARTICLE	IF	CITATIONS
109	Trojan horse particle invariance: The impact on nuclear astrophysics. , 2014, , .		0
110	Computer code for double beta decay QRPA based calculations. , 2014, , .		0
111	Indirect techniques in nuclear astrophysics: a review. Reports on Progress in Physics, 2014, 77, 106901.	20.1	178
112	BIG BANG NUCLEOSYNTHESIS REVISITED VIA TROJAN HORSE METHOD MEASUREMENTS. Astrophysical Journal, 2014, 786, 112.	4.5	86
113	Trojan Horse Particle Invariance: An Extensive Study. Few-Body Systems, 2014, 55, 1001-1004.	1.5	4
114	Stellar oscillations induced by the passage of a fast stellar object. International Journal of Modern Physics D, 2014, 23, 1450084.	2.1	0
115	Surface-integral formalism of deuteron stripping. Physical Review C, 2014, 90, .	2.9	10
116	$^{13,14}\text{B}(n, \hat{1}^3)$ via Coulomb Dissociation for Nucleosynthesis towards the r-Process. Nuclear Data Sheets, 2014, 120, 197-200.	2.2	9
117	Exclusive measurements of nuclear breakup reactions of ^{17}Ne . EPJ Web of Conferences, 2014, 66, 03094.	0.3	0
118	Recent Results for the Effects of Distortion in the Inter-Cluster Motion in Light Nuclei and Application to Nuclear Astrophysics. Few-Body Systems, 2013, 54, 1577-1581.	1.5	0
119	Determining the $^7\text{Li}(n, \hat{1}^3)$ cross section via Coulomb dissociation of ^8Li . Physical Review C, 2013, 88, .	2.9	12
120	BIG BANG NUCLEOSYNTHESIS WITH A NON-MAXWELLIAN DISTRIBUTION. Astrophysical Journal, 2013, 767, 67.	4.5	22
121	Nucleosynthesis: What Direct Reactions Can Do for It?. Acta Physica Polonica B, 2013, 44, 531.	0.8	1
122	Coulomb distortion and medium corrections in nucleon-removal reactions. Physical Review C, 2013, 87, .	2.9	4
123	Updated evidence of the Trojan horse particle invariance for the ^{25}O and ^{26}O . Physical Review C, 2013, 88, .	2.9	45
124	Role of pairing in the description of giant monopole resonances. Physical Review C, 2013, 88, .	2.9	26
125	Beyond the neutron drip line: The unbound oxygen isotopes ^{25}O and ^{26}O . Physical Review C, 2013, 88, .	2.9	93
126	Microscopic in-medium nucleon-nucleon cross sections with improved Pauli blocking effects. Physical Review C, 2013, 87, .	2.9	12

ARTICLE e ($\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \text{Tj ETQq1 1 0.784314 rgBT /Overlod IF 0 Tf 50 CitATIONS}$)

127

#	ARTICLE	IF	CITATIONS
145	Gluon distributions in nuclei probed at energies available at the CERN Large Hadron Collider. Physical Review C, 2011, 84, .	2.9	24
146	Deformation and its influence on K isomerism in neutron-rich Hf nuclei. Physical Review C, 2011, 83, .	2.9	14
147	Electron screening and its effects on big-bang nucleosynthesis. Physical Review C, 2011, 83, .	2.9	26
148	Effects of high-order deformation on high- K isomers in superheavy nuclei. Physical Review C, 2011, 83, .	2.9	40
149	Neutrino and antineutrino charge-exchange reactions on ^{12}C . Physical Review C, 2011, 83, .	2.9	30
150	Nucleus-nucleus interaction between boosted nuclei. Physical Review C, 2011, 83, .	2.9	4
151	Radiative capture reactions from potential models. , 2010, , .		3
152	Light radioactive nuclei capture reactions with phenomenological potential models. AIP Conference Proceedings, 2010, , .	0.4	13
153	QRAP: A numerical code for projected (Q)uasi-particle (R)andom (P)hase approximation. Computer Physics Communications, 2010, 181, 1123-1135.	7.5	11
154	Radiative capture of nucleons at astrophysical energies with single-particle states. Atomic Data and Nuclear Data Tables, 2010, 96, 824-847.	2.4	133
155	Nuclear astrophysics with radioactive beams. Physics Reports, 2010, 485, 195-259.	25.6	83
156	Nuclear Astrophysics in Rare Isotope Facilities. Nuclear Physics A, 2010, 834, 643c-646c.	1.5	0
157	Production of exotic atoms at energies available at the CERN Large Hadron Collider. Physical Review C, 2010, 81, .	2.9	4
158	Pauli blocking and medium effects in nucleon knockout reactions. Physical Review C, 2010, 81, .	2.9	58
159	Nuclear halo structure and pseudospin symmetry. Physical Review C, 2010, 81, .	2.9	75
160	Dynamical Relativistic Effects in Breakup Processes of Halo Nuclei. Progress of Theoretical Physics, 2010, 123, 701-718.	2.0	24
161	Nuclear astrophysics studies with ultra-peripheral heavy-ion collisions. , 2010, , .		0
162	Complete dipole response in ^{208}Pb from high-resolution polarized proton scattering at 0° . , 2009, , .		0

#	ARTICLE	IF	CITATIONS
163	Probing two-photon decay widths of mesons at energies available at the CERN Large Hadron Collider (LHC). Physical Review C, 2009, 79, .	2.9	16
164	Odd-even mass difference and isospin dependent pairing interaction. Physical Review C, 2009, 80, .	2.9	23
165	Odd-even mass differences from self-consistent mean field theory. Physical Review C, 2009, 79, .	2.9	118
166	NON-INERTIAL EFFECTS IN REACTIONS OF ASTROPHYSICAL INTEREST. Modern Physics Letters A, 2009, 24, 1109-1120.	1.2	0
167	Dissociation of Relativistic Projectiles with the Continuum-Discretized Coupled-Channels Method. Progress of Theoretical Physics, 2009, 121, 1399-1406. Effects of distortion of the intercluster motion in	2.0	21
168	H	2.9	50
169	Blurred femtoscopy in two-proton decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 666, 86-90. The	4.1	12
170	9		

#	ARTICLE	IF	CITATIONS
181	Nuclear Physics in a Nutshell. , 2007, , .		56
182	$^7\text{Be}(p,^3\text{He})^8\text{B}$ S-factor from ab initio wave functions. Journal of Physics: Conference Series, 2006, 49, 15-20.	0.4	0
183	MOMDIS: a Glauber model computer code for knockout reactions. Computer Physics Communications, 2006, 175, 372-380.	7.5	66
184	$^7\text{Be}(p,^3\text{He})^8\text{B}$ S-factor from ab initio wave functions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 634, 191-194.	4.1	32
185	Can the neutron-capture cross sections be measured with Coulomb dissociation?. European Physical Journal A, 2006, 27, 217-220.	2.5	3
186	Short-range correlations in two-nucleon knockout reactions. Nuclear Physics A, 2006, 767, 155-170.	1.5	4
187	$^7\text{Be}(p,^3\text{He})^8\text{B}$ S-factor from ab initio no-core shell model wave functions. Physical Review C, 2006, 73, .	2.9	43
188	Electron scattering on halo nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 624, 203-209.	4.1	11
189	No-Core Shell Model and Reactions. AIP Conference Proceedings, 2005, , .	0.4	2
190	Special Relativity and Reactions with Unstable Nuclei. AIP Conference Proceedings, 2005, , .	0.4	0
191	Knockout from ^{46}Ar : ^3He neutron removal and deviations from eikonal theory. Physical Review C, 2005, 71, .	2.9	63
192	Revised result for the $^{32}\text{Cl}(p,^3\text{He})^{33}\text{Ar}$ reaction rate for astrophysical r-process calculations. Physical Review C, 2005, 72, .	2.9	24
193	Relativistic Continuum-Continuum Coupling in the Dissociation of Halo Nuclei. Physical Review Letters, 2005, 94, 072701.	7.8	55
194	PHYSICS OF ULTRA-PERIPHERAL NUCLEAR COLLISIONS. Annual Review of Nuclear and Particle Science, 2005, 55, 271-310.	10.2	345
195	Proton-tetraneutron elastic scattering. Physical Review C, 2004, 69, .	2.9	6
196	Proton vs neutron halo breakup. Physical Review C, 2004, 69, .	2.9	23
197	Nuclear Astrophysics in Rare Isotope Facilities. Acta Physica Hungarica A Heavy Ion Physics, 2004, 21, 307-313.	0.4	0
198	Electronic stopping in astrophysical fusion reactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 585, 35-41.	4.1	14

#	ARTICLE	IF	CITATIONS
199	Momentum distributions in stripping reactions of radioactive projectiles at intermediate energies. <i>Physical Review C</i> , 2004, 70, .	2.9	74
200	Breakup of the weakly bound ^{17}F nucleus. <i>Nuclear Physics A</i> , 2003, 717, 199-213.	1.5	14
201	A computer program for nuclear scattering at intermediate and high energies. <i>Computer Physics Communications</i> , 2003, 152, 317-340.	7.5	48
202	RADCAP: A potential model tool for direct capture reactions. <i>Computer Physics Communications</i> , 2003, 156, 123-141.	7.5	89
203	Is the tetraneutron a bound dineutron "dineutron molecule?. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2003, 29, 2431-2437.	3.6	35
204	Two-phonon giant resonances in ^{136}Xe , ^{208}Pb , and ^{238}U . <i>Physical Review C</i> , 2003, 68, .	2.9	37
205	Intermediate energy Coulomb excitation as a probe of nuclear structure at radioactive beam facilities. <i>Physical Review C</i> , 2003, 68, .	2.9	22
206	PHOTON EXCHANGE IN NUCLEUS "NUCLEUS COLLISIONS. <i>International Journal of Modern Physics A</i> , 2003, 18, 685-723.	1.5	3
207	Fingerprints of entangled states in reactions with rare isotopes. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2003, 29, 769-775.	3.6	5
208	RELATIVISTIC HEAVY ION EXCITATION OF GIANT RESONANCES. , 2003, , .		0
209	HOT TOPICS IN ULTRA-PERIPHERAL ION COLLISIONS. , 2003, , .		1
210	Peripheral heavy ion collisions as a probe of the nuclear gluon distribution. <i>Physical Review C</i> , 2002, 65, .	2.9	54
211	Multipole expansion for relativistic Coulomb excitation. <i>Physical Review C</i> , 2002, 65, .	2.9	12
212	Coupling of giant resonances to soft E1 and E2 modes in ^8B . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002, 547, 205-209.	4.1	6
213	Two- and three-photon fusion in relativistic heavy-ion collisions. <i>Nuclear Physics A</i> , 2002, 703, 861-875.	1.5	17
214	Effective field theory for halo nuclei: shallow -wave states. <i>Nuclear Physics A</i> , 2002, 712, 37-58.	1.5	201
215	One- and Two-Photon Physics with Relativistic Heavy Ions. <i>Acta Physica Hungarica A Heavy Ion Physics</i> , 2002, 15, 359-368.	0.4	0
216	Pair production with electron capture in peripheral collisions of relativistic heavy ions. <i>Nuclear Physics A</i> , 2001, 683, 635-648.	1.5	12

#	ARTICLE	IF	CITATIONS
217	Peripheral Collisions of Relativistic Heavy Ions. Acta Physica Hungarica A Heavy Ion Physics, 2001, 14, 51-61.	0.4	1
218	Density dependence of in-medium nucleon-nucleon cross sections. Journal of Physics G: Nuclear and Particle Physics, 2001, 27, L67-L71.	3.6	20
219	Electromagnetic interaction of ultrarelativistic heavy ions. Physical Review A, 2001, 63, .	2.5	3
220	Description of Double Giant Dipole Resonances within the Phonon Damping Model. Physical Review Letters, 2001, 87, 269201.	7.8	1
221	Charge exchange in relativistic heavy-ion collisions. Nuclear Physics A, 2000, 674, 527-538.	1.5	15
222	Stopping of swift protons in matter and its implication for astrophysical fusion reactions. Physical Review C, 2000, 62, .	2.9	10
223	The astrophysical reaction ${}^8\text{Li}(n,\gamma){}^9\text{Li}$ from measurements by reverse kinematics. Journal of Physics G: Nuclear and Particle Physics, 1999, 25, 1959-1963.	3.6	18
224	Measurement of the Coulomb Dissociation of ${}^8\text{B}$ at 254 MeV/nucleon and the ${}^8\text{B}$ Solar Neutrino Flux. Physical Review Letters, 1999, 83, 2910-2913.	7.8	126
225	Isospin structure of one- and two-phonon giant dipole resonance excitations. Physical Review C, 1999, 59, 3093-3098.	2.9	3
226	Bremsstrahlung radiation by a tunneling particle: A time-dependent description. Physical Review C, 1999, 60, .	2.9	25
227	Impact-parameter dependence of giant resonance excitations in relativistic heavy-ion collisions. Physical Review C, 1999, 60, .	2.9	11
228	Microscopic studies on two-phonon giant resonances. Physics Reports, 1999, 321, 139-251.	25.6	88
229	A computer program for relativistic multiple Coulomb and nuclear excitation. Computer Physics Communications, 1999, 116, 345-352.	7.5	14
230	A study of the Coulomb dissociation of ${}^8\text{B}$ and the ${}^7\text{Be}(p, \hat{t}) {}^8\text{B}$ reaction. Nuclear Physics A, 1998, 636, 227-239.	1.5	25
231	Multiphonon giant resonances. Journal of Physics G: Nuclear and Particle Physics, 1998, 24, 1165-1179.	3.6	19
232	Double giant resonances in deformed nuclei. Physical Review C, 1998, 58, 2750-2753.	2.9	3
233	Energy dependence of breakup cross sections of the halo nucleus ${}^8\text{B}$ and effective interactions. Physical Review C, 1998, 57, 217-222.	2.9	4
234	Antihydrogen production and accuracy of the equivalent photon approximation. Physical Review D, 1998, 58, .	4.7	20

#	ARTICLE	IF	CITATIONS
235	Transitions between complex configurations in the excitation of the double giant resonance. Physical Review C, 1998, 57, 3476-3479.	2.9	5
236	Two-Phonon Background for the Double Giant Resonance. Physical Review Letters, 1997, 79, 3853-3856.	7.8	10
237	Comment on "Quantum-mechanical equivalent-photon spectrum for heavy ion physics". Physical Review C, 1997, 56, 581-582.	2.9	5
238	Fermi and Gamow-Teller strength in charge exchange with radioactive beams. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 402, 237-242.	4.1	11
239	Scattering of radioactive nuclei ^6He and ^3H by protons: Effects of neutron skin and halo in ^6He , ^8He , and ^{11}Li . Nuclear Physics A, 1997, 617, 45-56.	1.5	115
240	Elastic and inelastic scattering of exotic nuclei. Nuclear Physics A, 1997, 616, 189-200.	1.5	50
241	Nuclear astrophysics in storage rings. Nuclear Physics A, 1997, 626, 187-198.	1.5	8
242	Small effects in astrophysical fusion reactions. Nuclear Physics A, 1997, 627, 324-333.	1.5	28
243	$^7\text{Be}(p, \hat{1}^3)^8\text{B}$ cross section from indirect breakup experiments. Zeitschrift für Physik A, 1996, 356, 293-297.	0.9	19
244	Excitation of the two-phonon giant dipole resonance in ^{238}U studied via inclusive measurements of neutron-removal cross sections. Nuclear Physics A, 1996, 599, 321-326.	1.5	2
245	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
246	Multipole Excitations in Light Neutron-Rich Nuclei. Progress of Theoretical Physics Supplement, 1996, 124, 143-153.	0.1	10
247	First Study of Heavy-Ion Mirror Charge Exchange. Physical Review Letters, 1996, 76, 26-29.	7.8	20
248	First Study of Heavy-Ion Mirror Charge Exchange. Physical Review Letters, 1996, 76, 3042-3042.	7.8	3
249	Theory of multiphonon excitation in heavy-ion collisions. Physical Review C, 1996, 53, 334-346.	2.9	48
250	Probing the ground-state and transition densities of halo nuclei. Nuclear Physics A, 1995, 588, 667-692.	1.5	27
251	A coupled-channels study of ^{11}Be Coulomb excitation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 353, 413-416.	4.1	29
252	Higher-order dynamical effects in Coulomb dissociation. Nuclear Physics A, 1995, 581, 107-118.	1.5	119

#	ARTICLE	IF	CITATIONS
253	The photodissociation of ^8B and the solar neutrino problem. Nuclear Physics A, 1995, 587, 318-338.	1.5	29
254	Proton scattering by ^8He and neutron halo effects. Nuclear Physics A, 1995, 587, 291-300.	1.5	33
255	Fusion of halo nuclei. Nuclear Physics A, 1995, 588, c85-c89.	1.5	29
256	Comment on ^8Li contribution to the $^8\text{B} + ^7\text{Be}$ Coulomb dissociation cross section σ^{TM} . Physical Review C, 1995, 52, 1706-1708.	2.9	35
257	Momentum distributions of ^9Li fragments from the breakup of ^{11}Li and the neutron halo. Physical Review C, 1995, 51, 3116-3126.	2.9	44
258	Neutron removal in peripheral relativistic heavy-ion collisions. Physical Review C, 1995, 51, 416-419.	2.9	36
259	Coulomb reacceleration as a clock for nuclear reactions: A two-dimensional model. Physical Review C, 1994, 49, 2839-2842.	2.9	27
260	Mott scattering as a probe of long range QCD effects. Physical Review C, 1994, 50, 1104-1109.	2.9	3
261	The astrophysical reactions $^{12}\text{C}(\alpha, n)^{15}\text{O}$ and $^7\text{Be}(p, n)^8\text{B}$ and Coulomb dissociation experiments. Physical Review C, 1994, 49, 2688-2694.	2.9	49
262	Excitation of multiphonon giant resonance states in relativistic heavy-ion collisions. Nuclear Physics A, 1994, 568, 931-952.	1.5	24
263	Relativistic Heavy-Ion Physics Without Nuclear Contact. Physics Today, 1994, 47, 22-27.	0.3	35
264	The structure and reactions of neutron-rich nuclei. Physics Reports, 1993, 226, 281-376.	25.6	128
265	Molecular bond effects in the fusion of halo nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 314, 275-278.	4.1	11
266	Relativistic Coulomb excitation by a deformed projectile. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 319, 421-424.	4.1	7
267	Heavy-ion charge exchange in the eikonal approximation. Nuclear Physics A, 1993, 554, 493-508.	1.5	24
268	Coulomb reacceleration as a clock for nuclear reactions. Nuclear Physics A, 1993, 556, 136-146.	1.5	46
269	Excitation and photon decay of giant resonances from high-energy collisions of heavy ions. Nuclear Physics A, 1993, 554, 158-172.	1.5	56
270	HEAVY ION EXCITATION OF GIANT RESONANCES: A BRIDGE FROM THE ELASTIC SCATTERING TO THE INELASTIC DATA. Modern Physics Letters A, 1993, 08, 997-1004.	1.2	0

#	ARTICLE	IF	CITATIONS
271	Electromagnetic excitation of ^{11}Li . <i>Physical Review C</i> , 1993, 48, 118-135.	2.9	184
272	Momentum fluctuations in the fragmentation of neutron-rich nuclei. <i>Physical Review C</i> , 1993, 48, 2534-2536.	2.9	3
273	Excitation of multiphonon states in relativistic heavy-ion collisions. <i>Physical Review Letters</i> , 1993, 71, 967-970.	7.8	27
274	Coulomb dissociation of ^{11}Li . <i>Physical Review Letters</i> , 1993, 70, 730-733.	7.8	195
275	Nucleon-nucleon correlation effects in the elastic scattering of $^{\pm}p$ particles from ^{11}Li at 26 MeV/nucleon. <i>Physical Review C</i> , 1992, 45, 2403-2408.	2.9	4
276	Momentum distributions of ^{11}Li fragments following the breakup of ^{11}Li . <i>Physical Review Letters</i> , 1992, 69, 2050-2053.	7.8	139
277	Momentum distributions in reactions with radioactive beams. <i>Physical Review C</i> , 1992, 46, 2638-2641.	2.9	70
278	Multipole response of ^{11}Li . <i>Physical Review C</i> , 1992, 46, 2340-2343.	2.9	28
279	Closed form theory of elastic breakup and applications to astrophysically relevant heavy ion reactions. <i>Physical Review C</i> , 1992, 45, 2995-2999.	2.9	4
280	Higher-order electromagnetic interaction in the dissociation of fast particles. <i>Nuclear Physics A</i> , 1992, 550, 527-539.	1.5	50
281	Direct versus statistical break-up processes in the $^{16,18}\text{O} + ^{27}\text{Al}$, ^{28}Si reactions at $E/A \approx 1/24$ MeV. <i>Nuclear Physics A</i> , 1992, 540, 328-340.	1.5	6
282	Semiclassical calculation of Coulomb break-up of weakly-bound nuclei. <i>Nuclear Physics A</i> , 1992, 539, 163-176.	1.5	71
283	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
284	Heavy-ion excitation of giant resonances at intermediate energies. <i>Nuclear Physics A</i> , 1991, 528, 436-446.	1.5	5
285	Two-neutron removal cross sections of ^{11}Li projectiles. <i>Nuclear Physics A</i> , 1991, 526, 751-761.	1.5	66
286	Microscopic theory of the total reaction cross section and application to stable and exotic nuclei. <i>Physics Reports</i> , 1991, 201, 279-334.	25.6	138
287	Elastic scattering of protons from ^{11}Li and the neutron halo. <i>Physical Review C</i> , 1991, 43, 2722-2727.	2.9	13
288	Low energy behavior of ^{11}Li dissociation cross section. <i>Physical Review C</i> , 1991, 44, 2219-2221.	2.9	13

#	ARTICLE	IF	CITATIONS
289	Hybrid random-phase-approximation cluster model for the dipole strength function of ^{11}Li . Physical Review C, 1991, 43, R2049-R2051.	2.9	12
290	Relativistic coulomb excitation of giant resonances in the hydrodynamical model. Nuclear Physics A, 1990, 517, 639-658.	1.5	16
291	Color van der Waals force acting in heavy-ion scattering at low energies. Physical Review Letters, 1990, 65, 839-842.	7.8	15
292	Direct versus sequential fragmentation of neutron-rich nuclei. Physical Review Letters, 1990, 64, 1099-1102.	7.8	32
293	Elastic Coulomb scattering of heavy ions at intermediate energies. Physical Review C, 1990, 42, 2180-2186.	2.9	10
294	SHORT RANGE CORRELATIONS AND NUCLEON EMISSION IN PERIPHERAL RELATIVISTIC HEAVY ION COLLISIONS. Modern Physics Letters A, 1989, 04, 1315-1328.	1.2	3
295	Electromagnetic physics at relativistic heavy ion colliders, for better and for worse. Nuclear Physics A, 1989, 505, 835-848.	1.5	41
296	Coulomb excitation in intermediate-energy collisions. Nuclear Physics A, 1989, 505, 448-470.	1.5	43
297	Physics with peripheral relativistic heavy ion collisions. Zeitschrift für Physik A, Atomic Nuclei, 1988, 330, 77-81.	0.3	4
298	Electromagnetic processes in relativistic heavy ion collisions. Physics Reports, 1988, 163, 299-408.	25.6	765
299	Coincidence cross sections for the dissociation of light ions in high-energy collisions. Nuclear Physics A, 1988, 480, 615-628.	1.5	115
300	Electromagnetic excitation of one- and multiphonon giant resonance states with relativistic heavy ions. Nuclear Physics A, 1988, 482, 313-328.	1.5	23
301	Electromagnetic Excitation Processes in Relativistic Heavy Ion Collisions., 1988, , 343-352.		0
302	Electromagnetic production of heavy leptons in relativistic heavy ion collisions. Physical Review C, 1987, 35, 836-837.	2.9	23
303	$^7\text{Be}(p, ^3\text{He})^8\text{B}$ cross section from indirect breakup experiments. Zeitschrift für Physik A, 1987, 356, 293-297.	0.9	13
304	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
305	Electromagnetic processes in relativistic heavy ion collisions. Nuclear Physics A, 1986, 458, 725-744.	1.5	46
306	Coulomb dissociation as a source of information on radiative capture processes of astrophysical interest. Nuclear Physics A, 1986, 458, 188-204.	1.5	353

#	ARTICLE	IF	CITATIONS
307	Multistep fragmentation of heavy ions in peripheral collisions at relativistic energies. Physical Review C, 1986, 34, 1654-1662.	2.9	36
308	Quantal and semiclassical methods in relativistic electromagnetic excitation. Physical Review C, 1986, 33, 910-914.	2.9	7
309	Relativistic coulomb collisions and the virtual radiation spectrum. Nuclear Physics A, 1985, 442, 739-752.	1.5	59
310	Relativistic coulomb collisions and the virtual radiation spectrum. Nuclear Physics A, 1985, 442, 739-752.	1.5	28
311	Special Issue of the Brazilian Journal of Physics. Brazilian Journal of Physics, 0, , .	1.4	0