

Brett Carlson

List of Publications by Year in descending order

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209
papers

3,845
citations

186265
28
h-index

138484
58
g-index

214
all docs

214
docs citations

214
times ranked

1932
citing authors

#	ARTICLE	IF	CITATIONS
1	Neutron Capture Cross Sections of Radioactive Nuclei. Brazilian Journal of Physics, 2021, 51, 212-222.	1.4	0
2	Symmetry energy and neutron pressure of finite nuclei using the relativistic mean-field formalism. Astronomische Nachrichten, 2021, 342, 462-468.	1.2	0
3	The São Paulo Potential and the ^3He Breakup Reaction at 130 MeV on ^{93}Nb and ^{197}Au . Brazilian Journal of Physics, 2021, 51, 323-327.	1.4	1
4	Polarization Potentials in Nuclear Physics. Brazilian Journal of Physics, 2021, 51, 181-192.	1.4	3
5	Understanding the mechanisms of nuclear collisions: A complete study of the $B + ^{10}\text{B} \rightarrow ^{120}\text{Sn} + ^8\text{He}$ reaction. Physical Review C, 2021, 103, .	2.9	8
6	Towards a systematic optical model potential for $A = 8$ projectiles. European Physical Journal A, 2021, 57, 1.	2.5	5
7	The kinks in charge radii across $N = 82$ and 126 revisited. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 075105.	3.6	7
8	Modeling photon-induced reactions on ^{233}U and ^{238}U actinide targets. Physical Review C, 2021, 103, .	2.9	9
9	Nucleon-induced inelastic scattering with statistical strength functions and the ECIS direct reaction code. European Physical Journal A, 2021, 57, 1.	2.5	1
10	Inclusive breakup cross sections in reactions induced by the nuclides ^6He and ^7Li in the two-body cluster model. Physical Review C, 2021, 104, .	2.9	4
11	Neutron capture cross sections of light neutron-rich nuclei relevant for r -process nucleosynthesis. Physical Review C, 2021, 104, .	2.9	3
12	São Paulo potential version 2 (SPP2) and Brazilian nuclear potential (BNP). Computer Physics Communications, 2021, 267, 108061.	7.5	37
13	Multi-step Direct Reaction Models Including Collectivity in Nucleon Induced Reactions. Springer Proceedings in Physics, 2021, , 65-72.	0.2	1
14	Impact of shell structure on the fusion of neutron-rich mid-mass nuclei. Physical Review C, 2021, 104, .	2.9	3
15	Modeling Compound Nuclear Reactions with EMPIRE. Springer Proceedings in Physics, 2021, , 17-25.	0.2	0
16	Velocity-dependent model for the $^{\pm}V_{\text{int}}$ interaction in the context of the double-folding potential. Physical Review C, 2020, 101, .	2.9	26
17	Effect of density and nucleon-nucleon potential on the fusion cross section within the relativistic mean field formalism. Physical Review C, 2020, 101, .	2.9	26
18	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

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37	Nuclear processes in astrophysics: Recent progress. <i>European Physical Journal A</i> , 2018, 54, 1.	2.5	16
38	Inclusive breakup of three-fragment weakly bound nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 767, 53-57.	4.1	20
39	Coulomb breakup of neutron-rich $^{29,30}\text{Na}$ isotopes near the island of inversion. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2017, 44, 045101.	3.6	3
40	Extensive air shower Monte Carlo modeling at the ground and aircraft flight altitude in the South Atlantic Magnetic Anomaly and comparison with neutron measurements. <i>Astroparticle Physics</i> , 2017, 88, 17-29.	4.3	6
41	The attribute of rotational profile to the hyperon puzzle in the prediction of heaviest compact star. <i>International Journal of Modern Physics E</i> , 2017, 26, 1750052.	1.0	5
42	Transition densities in the context of the generalized rotation-vibration model. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2017, 44, 105102.	3.6	3
43	Toward a complete theory for predicting inclusive deuteron breakup away from stability. <i>European Physical Journal A</i> , 2017, 53, 1.	2.5	62
44	Temperature effects on nuclear pseudospin symmetry in the Dirac-Hartree-Bogoliubov formalism. <i>Physical Review C</i> , 2017, 96, .	2.9	4
45	A Theoretical Study of Deuteron-induced Surrogate Reactions. <i>Journal of Physics: Conference Series</i> , 2017, 863, 012039.	0.4	0
46	IAEA coordinated research project on nuclear data for charged-particle monitor reactions and medical isotope production. <i>EPJ Web of Conferences</i> , 2017, 146, 08007.	0.3	4
47	Inclusive breakup of Borromean nuclei. <i>Journal of Physics: Conference Series</i> , 2017, 863, 012035.	0.4	2
48	Inclusive Breakup Theory of Three-Body Halos. <i>EPJ Web of Conferences</i> , 2017, 163, 00024.	0.3	2
49	A theoretical study of deuteron-induced surrogate reactions. <i>EPJ Web of Conferences</i> , 2017, 146, 12001.	0.3	2
50	Ground-state configuration of neutron-rich ^{35}Al via Coulomb breakup. <i>Physical Review C</i> , 2017, 96, .	2.9	3
51	Direct experimental evidence for a multiparticle-hole ground state configuration of deformed ^{33}Mg . <i>Physical Review C</i> , 2016, 94, .	2.9	10
52	Dirac-Hartree-Bogoliubov calculation for spherical and deformed hot nuclei: Temperature dependence of the pairing energy and gaps, nuclear deformation, nuclear radii, excitation energy, and entropy. <i>Physical Review C</i> , 2016, 93, .	2.9	22
53	Correlation functions and correlation widths in quantum-chaotic scattering for mesoscopic systems and nuclei. <i>Physical Review E</i> , 2016, 93, 012210.	2.1	7
54	Inclusive Proton Emission Spectra from Deuteron Breakup Reactions. <i>Few-Body Systems</i> , 2016, 57, 307-314.	1.5	57

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55	Statistical Features of the Thermal Neutron Capture Cross Sections. Acta Physica Polonica B, 2016, 47, 391.	0.8	5
56	Internal and kinetic temperatures of fragments in the framework of a nuclear statistical multifragmentation model. Physical Review C, 2015, 92, .	2.9	6
57	Determination of the cosmic-ray-induced neutron flux and ambient dose equivalent at flight altitude. Journal of Physics: Conference Series, 2015, 630, 012022.	0.4	2
58	Study of Ground State Wave-function of the Neutron-rich ^{29,30} Na Isotopes through Coulomb Breakup. EPJ Web of Conferences, 2014, 66, 02087.	0.3	4
59	Formation and decay of a hot compound nucleus. EPJ Web of Conferences, 2014, 69, 00012.	0.3	1
60	Comparison of approximations to the transition rate in the DDHMS preequilibrium model. EPJ Web of Conferences, 2014, 69, 00024.	0.3	1
61	Comparison of transition densities in the DDHMS model of pre-equilibrium emission. , 2014, , .		0
62	Compound nucleus decay: Comparison between saddle point and scission point barriers. , 2014, , .		0
63	Influence of the density of states on the odd-even staggering in the charge distribution of the emitted fragments in nuclear heavy-ion collisions. Physical Review C, 2014, 90, .	2.9	5
64	Relativistic mean-field hadronic models under nuclear matter constraints. Physical Review C, 2014, 90, .	2.9	331
65	Influence of clouds on the cosmic radiation dose rate on aircraft. Radiation Protection Dosimetry, 2014, 161, 279-283.	0.8	1
66	Theoretical descriptions of compound-nuclear reactions: open problems and challenges. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 094003.	3.6	9
67	Calculation of deformed double-folding potentials in the context of the generalized rotation-vibration model. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 055114.	3.6	0
68	Ground-state configuration of neutron-rich Aluminum isotopes through Coulomb Breakup. EPJ Web of Conferences, 2014, 66, 02019.	0.3	1
69	Comparison between cross sections, saddle point and scission point barriers for the ³² S+ ²⁴ Mg reaction. EPJ Web of Conferences, 2014, 69, 00023.	0.3	0
70	Nuclear monopole charge form factor calculation for relativistic models including center-of-mass corrections. European Physical Journal A, 2013, 49, 1.	2.5	1
71	Study of a Long Counter Neutron Detector for the Cosmic-Ray-Induced Neutron Spectrum. IEEE Transactions on Nuclear Science, 2013, 60, 897-902.	2.0	4
72	On the near-barrier fusion of the proton-halo ⁸ B + ⁵⁸ Ni system. European Physical Journal A, 2013, 49, 1.	2.5	22

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73	Relativistic mean-field models and nuclear matter constraints. , 2013, , .		2
74	Statistical multifragmentation model with discretized energy and the generalized Fermi breakup: Formulation of the model. Physical Review C, 2013, 88, .	2.9	9
75	The density of available states of the DDHMS pre-equilibrium model. , 2013, , .		1
76	Emission of intermediate mass fragments at high excitation energy. , 2013, , .		1
77	Cosmic-ray transport simulation through the atmosphere in the South Atlantic Magnetic Anomaly. , 2012, , .		1
78	Bound state densities and the Helmholtz free energy. EPJ Web of Conferences, 2012, 21, 10003.	0.3	0
79	The density of available states of the DDHMS pre-equilibrium model. EPJ Web of Conferences, 2012, 21, 09001.	0.3	2
80	Fermi breakup and the statistical multifragmentation model. Nuclear Physics A, 2012, 876, 77-92.	1.5	5
81	Fermi breakup and the Statistical Multifragmentation Model. Journal of Physics: Conference Series, 2011, 312, 082017.	0.4	3
82	The statistical decay of very hot nuclei: from sequential decay to multifragmentation. , 2011, , .		0
83	Evaluation of the Response of a Neutron Detector of the Long-Counter Type Using Monte Carlo Transport Simulation. , 2011, , .		0
84	Static and Covariant Meson-Exchange Interactions in Nuclear Matter. Few-Body Systems, 2011, 49, 85-89.	1.5	0
85	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:mi} \hat{l}_{\pm} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:mi} \hat{l}_{\pm} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{scattered} \rangle \rangle \rangle$ reexamined in the context of the SÅ Paulo potential. Physical Review C, 2011, 83, .	1.5	0
86	Approximate treatment of relativistic effects in the low-energy $\hat{l}_{\pm} + \hat{l}_{\pm}$ scattering. Physical Review C, 2011, 84, .	2.9	10
87	Title is missing!. Nuclear Physics, Section B, Proceedings Supplements, 2010, 199, 1-2.	0.4	0
88	Dirac-Brueckner mean fields and the effective Dirac-Hartree-Fock interaction in nuclear matter. Nuclear Physics, Section B, Proceedings Supplements, 2010, 199, 291-296.	0.4	1
89	Transformations of the pairing fields in nuclear matter. Nuclear Physics, Section B, Proceedings Supplements, 2010, 199, 357-359.	0.4	0
90	Systematics of nuclear densities, deformations and excitation energies within the context of the generalized rotationâvibration model. Nuclear Physics A, 2010, 846, 1-30.	1.5	16

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91	The effects of temperature on finite nuclei. Nuclear Physics, Section B, Proceedings Supplements, 2010, 199, 345-348.	0.4	4
92	Color Superconductivity and Confinement in the Chromodielectric Model. Nuclear Physics, Section B, Proceedings Supplements, 2010, 199, 308-313.	0.4	0
93	The Diracâ€“Bruecknerâ€“Hartreeâ€“Fock approach: from infinite matter to effective Lagrangians for finite systems. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 064043.	3.6	26
94	THE EFFECT OF CONFINEMENT ON THE CFL QUARK PAIRING IN THE CHROMODIELECTRIC MODEL. International Journal of Modern Physics D, 2010, 19, 1737-1741.	2.1	0
95	Statistical multifragmentation model with Skyrme effective interactions. Physical Review C, 2009, 79, .	2.9	15
96	Isospin effects and the density dependence of the nuclear symmetry energy. Physical Review C, 2009, 80, .	2.9	14
97	The effect of temperature and pairing on nuclear pseudospin symmetry. , 2009, , .		0
98	Temperature dependence of normal and quasi-deuteron pairing in asymmetric nuclear matter. , 2009, , .		0
99	Nuclear Data for Proton Beam Radiotherapy. , 2009, , .		0
100	Transformations and symmetries of the pairing fields in nuclear matter. , 2009, , .		0
101	Effect on the heavy-ion fusion and elastic scattering cross sections of common approximations assumed in coupled-channel calculations. Journal of Physics G: Nuclear and Particle Physics, 2009, 36, 025102.	3.6	2
102	Temperature effects in nuclear isoscaling. Physical Review C, 2009, 80, .	2.9	14
103	The surface geometry of exotic nuclei. AIP Conference Proceedings, 2007, , .	0.4	0
104	A Microscopic semi-classical model of nucleon-induced pre-equilibrium reactions. AIP Conference Proceedings, 2007, , .	0.4	0
105	Consistent analysis of fusion data without adjustable parameters for a wide variety of heavy-ion systems. Physical Review C, 2007, 75, .	2.9	19
106	Consistent analysis of fusion data without adjustable parameters for systems involving odd nuclei. Physical Review C, 2007, 76, .	2.9	8
107	THE EFFECT OF TEMPERATURE IN SPHERICAL AND DEFORMED NUCLEI IN THE DHB APPROXIMATION. International Journal of Modern Physics E, 2007, 16, 3032-3036.	1.0	6
108	Configuration mixing in nucleon-induced pre-equilibrium reactions. Nuclear Physics A, 2007, 787, 211-218.	1.5	2

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109	EMPIRE: Nuclear Reaction Model Code System for Data Evaluation. Nuclear Data Sheets, 2007, 108, 2655-2715.	2.2	630
110	Standard and quasideuteron pairing in asymmetric nuclear matter. Nuclear Physics A, 2007, 788, 316-321.	1.5	1
111	Tunneling through a parabolic barrier coupled to an oscillatory degree of freedom: Application to heavy-ion fusion at sub-barrier energies. Nuclear Physics A, 2007, 786, 90-106.	1.5	6
112	Quasideuteron pairing in asymmetric nuclear matter. Nuclear Physics A, 2007, 790, 588c-592c.	1.5	0
113	IAEA coordinated research programme: nuclear data for the production of therapeutic radionuclides. , 2007, , .		2
114	Configuration mixing in nucleon-induced pre-equilibrium reactions. , 2007, , .		1
115	Extension of the nuclear reaction model code EMPIRE to actinides' nuclear data evaluation. , 2007, , .		3
116	EMPIRE ultimate expansion: resonances and covariances. , 2007, , .		1
117	Trajectory effects in coulomb excitation. Brazilian Journal of Physics, 2006, 36, 1379-1382.	1.4	0
118	Polarization effects in relativistic pairing in nuclear matter. Nuclear Physics A, 2006, 765, 75-96.	1.5	1
119	Self-consistent Dirac quasi-particle blocking approximation applied to the $\hat{I}\pm$ -decay scheme of the superheavy element 287115. Journal of Physics G: Nuclear and Particle Physics, 2006, 32, 655-666.	3.6	6
120	Configuration mixing in pre-equilibrium reactions. Physical Review C, 2006, 74, .	2.9	7
121	Coulomb breakup of ^{23}O . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 605, 79-86.	4.1	49
122	Comparison between models of the decay of light compound nuclei. Brazilian Journal of Physics, 2005, 35, 919-920.	1.4	1
123	Coulomb and nuclear potentials between deformed nuclei applied to the fusion process. Brazilian Journal of Physics, 2005, 35, 906-908.	1.4	1
124	Production Cross Sections of Some Radionuclides with Therapeutic Applications. AIP Conference Proceedings, 2005, , .	0.4	1
125	Semiclassical Coulomb interaction. Physical Review C, 2005, 72, .	2.9	1
126	Vacuum polarization effects in relativistic nuclear pairing. Brazilian Journal of Physics, 2004, 34, 889-893.	1.4	0

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127	Medium Corrections to the Nucleon Electroweak Observables in a Light-Front Quark Model. AIP Conference Proceedings, 2004, , .	0.4	1
128	Towards a self-consistent Dirac Greenâ€™s function approximation to asymmetric nuclear matter. AIP Conference Proceedings, 2004, , .	0.4	0
129	Coulomb and nuclear potentials between deformed nuclei. Physical Review C, 2004, 70, .	2.9	31
130	Global and consistent analysis of the heavy-ion elastic scattering and fusion processes. Physical Review C, 2004, 69, .	2.9	63
131	Accurate approximation for the Coulomb potential between deformed nuclei. Physical Review C, 2004, 70, .	2.9	15
132	A Consistent Description of the Heavy-Ion Fusion and Elastic Scattering Processes Using a Nonlocal Model. Progress of Theoretical Physics Supplement, 2004, 154, 169-176.	0.1	7
133	Nuclear Matter with Relativistic Quark Dynamics. AIP Conference Proceedings, 2004, , .	0.4	0
134	Multiple giant resonances in nuclei: their excitation and decay. Nuclear Physics A, 2004, 731, 163-174.	1.5	6
135	Reaction cross section and matter radius measurements of proton-rich Ga, Ge, As, Se and Br nuclides. Nuclear Physics A, 2004, 735, 303-328.	1.5	23
136	Light-front time picture of few-body systems. Nuclear Physics A, 2004, 737, 260-264.	1.5	10
137	Three-body model for the complete fusion of a two-cluster composite projectile with a heavy target. Nuclear Physics A, 2004, 738, 367-371.	1.5	4
138	Computer codes for spectrum average cross section calculations. Annals of Nuclear Energy, 2004, 31, 1069-1072.	1.8	3
139	Dirac-Hartree-Bogoliubov approximation for finite nuclei with blocking. Brazilian Journal of Physics, 2004, 34, 855-858.	1.4	1
140	p+ ^{6,8} He elastic scattering at intermediate energies. Brazilian Journal of Physics, 2004, 34, 773-776.	1.4	0
141	A Dirac description of $\hat{A}^1S_0 + \hat{A}^3S_1 - \hat{A}^3D_1$ pairing in nuclear matter. Brazilian Journal of Physics, 2004, 34, 894-896.	1.4	0
142	Semiclassical Coulomb excitation matrix elements. Brazilian Journal of Physics, 2004, 34, 859-861.	1.4	0
143	A relativistic separable potential to describe pairing in nuclear matter. Nuclear Physics A, 2003, 728, 379-395.	1.5	7
144	Quasi-free ²³⁸ U cross section in macroscopicâ€™microscopic approach. Nuclear Physics A, 2003, 713, 24-44.	1.5	7

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145	p+4,6,8He elastic scattering at intermediate energies. Nuclear Physics A, 2003, 724, 345-353.	1.5	2
146	Exclusive measurement of breakup reactions with the one-neutron halo nucleus ^{11}Be . Physical Review C, 2003, 68, .	2.9	154
147	Systematical study of the optical potential for systems like $A+^{58}\text{Ni}$ from sub-barrier data analyses. Physical Review C, 2003, 67, .	2.9	21
148	Experimental determination of the surface density for the ^6He exotic nucleus. Physical Review C, 2003, 67, .	2.9	52
149	Polarization effects in relativistic nuclear pairing. Brazilian Journal of Physics, 2003, 33, 297-300.	1.4	0
150	Nonlocal description of the nuclear interaction. Brazilian Journal of Physics, 2003, 33, 238.	1.4	5
151	Fragmentation of exotic oxygen isotopes. Brazilian Journal of Physics, 2003, 33, 328-332.	1.4	0
152	Excitation of triple giant resonances in heavy-ion reactions. Physical Review C, 2002, 66, .	2.9	2
153	Mean energy, strength, and width of triple giant dipole resonances. Physical Review C, 2002, 65, .	2.9	3
154	Toward a global description of the nucleus-nucleus interaction. Physical Review C, 2002, 66, .	2.9	481
155	Total reaction cross sections for low energy deuterons in the semiclassical approach. Physical Review C, 2002, 66, .	2.9	4
156	Quasifree electrofission of ^{238}U . Physical Review C, 2002, 65, .	2.9	5
157	Fragmentation of unstable neutron-rich oxygen beams. Physical Review C, 2002, 65, .	2.9	20
158	Determination of the ^{12}C nuclear density through heavy-ion elastic scattering experiments. Physical Review C, 2002, 65, .	2.9	30
159	Mean field and pairing properties of nuclear matter in a quark-meson coupling model. Nuclear Physics A, 2002, 697, 469-491.	1.5	11
160	Effect of the ^{18}O nuclear density on the nuclear potentials of the $^{18}\text{O}+^{58,60}\text{Ni}$ systems. Nuclear Physics A, 2002, 707, 325-342.	1.5	34
161	Precise nuclear matter densities from heavy-ion collisions. Physical Review C, 2001, 65, .	2.9	18
162	Renormalization of the ladder light-front Bethe-Salpeter equation in the Yukawa model. Physical Review C, 2001, 63, .	2.9	35

#	ARTICLE	IF	CITATIONS
163	The heavy-ion nuclear potential: determination of a systematic behavior at the region of surface interaction distances. Nuclear Physics A, 2001, 679, 287-303.	1.5	48
164	Anharmonicities of giant dipole excitations. Physical Review C, 2001, 64, .	2.9	6
165	Light-front Bethe-Salpeter equation. Physical Review C, 2000, 61, .	2.9	67
166	Dirac-Hartree-Bogoliubov approximation for finite nuclei. Physical Review C, 2000, 62, .	2.9	70
167	Theory of multiple giant dipole resonance excitation. Physical Review C, 1999, 60, .	2.9	20
168	Isospin structure of one- and two-phonon giant dipole resonance excitations. Physical Review C, 1999, 59, 3093-3098.	2.9	3
169	Effective widths and effective number of phonons of multiphonon giant resonances. Physical Review C, 1999, 60, .	2.9	1
170	Time scales of multiple giant dipole resonance excitation and decay. Physical Review C, 1999, 59, R2343-R2346.	2.9	2
171	Coulomb excitation of a damped oscillator and the Brink-Axel mechanism. Physical Review C, 1999, 59, 2689-2694.	2.9	4
172	Multiphonon and α -Phonon Isovector Electric-Dipole Excitations. Annals of Physics, 1999, 276, 111-119.	2.8	10
173	Decay theory of double giant resonances. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 431, 249-253.	4.1	12
174	A fully relativistic Hartree-Bogoliubov approach for deformed nuclei. , 1998, , .		0
175	ISOpairing correlations in relativistic nuclear matter and the two-nucleon virtual state. Physical Review C, 1997, 56, 3097-3106.	2.9	19
176	Spin polarization and rotation of polarized epithermal neutrons scattered off heavy nuclei. Physical Review C, 1997, 56, 292-295.	2.9	1
177	Triaxial deformation of unstable nuclei in the relativistic mean-field theory. Nuclear Physics A, 1996, 609, 131-146.	1.5	38
178	Entrance-channel mass-asymmetry dependence of compound nucleus formation time in light heavy-ion reactions. Physical Review C, 1996, 54, 3290-3293.	2.9	14
179	Hartree-Fock-Bogoliubov approximation to relativistic nuclear matter. Physical Review C, 1996, 54, 2385-2398.	2.9	28
180	Microscopic abrasion-ablation approximation to projectile fragmentation. Physical Review C, 1995, 51, 252-268.	2.9	9

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181	Optical-model analysis of parity-nonconserving neutron scattering at epithermal energies. <i>Physical Review C</i> , 1995, 52, R11-R14.	2.9	13
182	Perturbative treatment of parity nonconservation in neutron-nucleus scattering within the optical model. <i>Physical Review C</i> , 1993, 47, 376-386.	2.9	23
183	Are hot light nuclei liquid droplets?. <i>Physical Review Letters</i> , 1993, 70, 2070-2073.	7.8	9
184	Fragment production in heavy-ion reactions. <i>Physical Review C</i> , 1992, 46, R30-R33.	2.9	9
185	Properties of nuclei far from the stability line in the relativistic hartree theory. <i>Nuclear Physics A</i> , 1991, 524, 633-648.	1.5	32
186	The Feshbach-Kerman-Koonin multistep compound reaction theory. <i>Physics Reports</i> , 1991, 202, 171-231.	25.6	56
187	Ambiguity in the three-body description of inclusive break-up reactions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 1991, 17, L139-L142.	3.6	1
188	Relativistic Hartree theory for nuclei far from the stability line. <i>Physical Review C</i> , 1991, 44, 1467-1475.	2.9	70
189	Dissipative processes in light-heavy-ion-induced reactions and their time scales. <i>Physical Review C</i> , 1990, 42, R815-R818.	2.9	7
190	Inclusive annihilation of antiprotons on deuterium. <i>Physical Review C</i> , 1990, 42, 138-141.	2.9	3
191	Dispersion relation for effective interactions. <i>Physical Review C</i> , 1990, 41, 933-936.	2.9	6
192	Statistical calculation of fission decay probabilities of nuclear giant multipole resonances. <i>Physical Review C</i> , 1989, 39, 564-567.	2.9	8
193	Hybrid method for calculating exciton state and level densities. <i>Physical Review C</i> , 1989, 40, 2265-2270.	2.9	0
194	Quark structure of the nucleon and quantum hadrodynamics. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 1989, 15, 297-302.	3.6	26
195	Multi-step compound model of heavy-ion fusion. <i>Annals of Physics</i> , 1986, 169, 167-190.	2.8	7
196	Quantum collisional evolution of a one-dimensional fermi gas: Numerical solution. <i>Nuclear Physics A</i> , 1986, 457, 261-272.	1.5	5
197	Direct and statistical gamma decay of the giant quadrupole resonance of ^{208}Pb . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1986, 173, 355-358.	4.1	11
198	Near/far decomposition of the proton-nucleus and antiproton-nucleus elastic angular distributions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1985, 154, 89-92.	4.1	8

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199	Dinucleus: A Doorway to Heavy-Ion Fusion. <i>Physical Review Letters</i> , 1985, 54, 2659-2662.	7.8	12
200	Reactive Content of the Proton-Nucleus Impulse-Approximation Dirac Optical Potential. <i>Physical Review Letters</i> , 1984, 53, 2222-2225.	7.8	3
201	The average angular distribution of emitted particles in multi-step compound processes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1984, 138, 357-360.	4.1	2
202	Polarization potentials in heavy-ion scattering. <i>Physics Reports</i> , 1984, 113, 133-194.	25.6	29
203	Multistep nature of heavy-ion fusion reactions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1983, 125, 22-24.	4.1	22
204	Multiple Coulomb excitation effects in heavy-ion compound and fusion cross sections. <i>Physical Review C</i> , 1982, 26, 2007-2015.	2.9	2
205	Quantal theory of Coulomb absorption in heavy-ion scattering. <i>Annals of Physics</i> , 1982, 138, 215-236.	2.8	7
206	Multiple coulomb polarization potential for heavy ion scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1981, 98, 409-412.	4.1	8
207	Optical model description of DIC?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1980, 91, 332-336.	4.1	1
208	Fission widths and multi-dimensional barrier penetration. <i>Nuclear Physics A</i> , 1979, 331, 117-140.	1.5	1
209	Regge parametrization of angular distributions for heavy-ion transfer reactions. <i>Nuclear Physics A</i> , 1977, 292, 310-332.	1.5	7