

Brett Carlson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9458353/publications.pdf>

Version: 2024-02-01

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 | EMPIRE: Nuclear Reaction Model Code System for Data Evaluation. Nuclear Data Sheets, 2007, 108, 2655-2715. | 2.2 | 630 |
| 2 | Toward a global description of the nucleus-nucleus interaction. Physical Review C, 2002, 66, . | 2.9 | 481 |
| 3 | Relativistic mean-field hadronic models under nuclear matter constraints. Physical Review C, 2014, 90, . | 2.9 | 331 |
| 4 | Reference Cross Sections for Charged-particle Monitor Reactions. Nuclear Data Sheets, 2018, 148, 338-382. | 2.2 | 165 |
| 5 | Exclusive measurement of breakup reactions with the one-neutron halo nucleus ^{11}Be . Physical Review C, 2003, 68, . | 2.9 | 154 |
| 6 | Relativistic Hartree theory for nuclei far from the stability line. Physical Review C, 1991, 44, 1467-1475. | 2.9 | 70 |
| 7 | Dirac-Hartree-Bogoliubov approximation for finite nuclei. Physical Review C, 2000, 62, . | 2.9 | 70 |
| 8 | Light-front Bethe-Salpeter equation. Physical Review C, 2000, 61, . | 2.9 | 67 |
| 9 | Global and consistent analysis of the heavy-ion elastic scattering and fusion processes. Physical Review C, 2004, 69, . | 2.9 | 63 |
| 10 | Toward a complete theory for predicting inclusive deuteron breakup away from stability. European Physical Journal A, 2017, 53, 1. | 2.5 | 62 |
| 11 | Inclusive Proton Emission Spectra from Deuteron Breakup Reactions. Few-Body Systems, 2016, 57, 307-314. | 1.5 | 57 |
| 12 | The Feshbach-Kerman-Koonin multistep compound reaction theory. Physics Reports, 1991, 202, 171-231. | 25.6 | 56 |
| 13 | Experimental determination of the surface density for the ^6He exotic nucleus. Physical Review C, 2003, 67, . | 2.9 | 52 |
| 14 | Coulomb breakup of ^{23}O . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 605, 79-86. | 4.1 | 49 |
| 15 | Recommended nuclear data for medical radioisotope production: diagnostic positron emitters. Journal of Radioanalytical and Nuclear Chemistry, 2019, 319, 533-666. | 1.5 | 49 |
| 16 | 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 |
| 17 | Evaluation of Neutron Reactions on Iron Isotopes for CIELO and ENDF/B-VIII.0. Nuclear Data Sheets, 2018, 148, 214-253. | 2.2 | 48 |
| 18 | Surface properties of neutron-rich exotic nuclei within relativistic mean field formalisms. Physical Review C, 2018, 97, . | 2.9 | 39 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Recommended nuclear data for medical radioisotope production: diagnostic gamma emitters. Journal of Radioanalytical and Nuclear Chemistry, 2019, 319, 487-531. | 1.5 | 39 |
| 20 | Triaxial deformation of unstable nuclei in the relativistic mean-field theory. Nuclear Physics A, 1996, 609, 131-146. | 1.5 | 38 |
| 21 | SÃ£o Paulo potential version 2 (SPP2) and Brazilian nuclear potential (BNP). Computer Physics Communications, 2021, 267, 108061. | 7.5 | 37 |
| 22 | Renormalization of the ladder light-front Bethe-Salpeter equation in the Yukawa model. Physical Review C, 2001, 63, . | 2.9 | 35 |
| 23 | 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 |
| 24 | Properties of nuclei far from the stability line in the relativistic hartree theory. Nuclear Physics A, 1991, 524, 633-648. | 1.5 | 32 |
| 25 | Coulomb and nuclear potentials between deformed nuclei. Physical Review C, 2004, 70, . | 2.9 | 31 |
| 26 | Determination of the ^{12}C nuclear density through heavy-ion elastic scattering experiments. Physical Review C, 2002, 65, . | 2.9 | 30 |
| 27 | Polarization potentials in heavy-ion scattering. Physics Reports, 1984, 113, 133-194. | 25.6 | 29 |
| 28 | Hartree-Fock-Bogoliubov approximation to relativistic nuclear matter. Physical Review C, 1996, 54, 2385-2398. | 2.9 | 28 |
| 29 | Elastic, inelastic, and transfer cross sections for the $^{10}\text{B} + ^{12}\text{C}$ system. Nuclear Physics A, 1998, 631, 1-10. | 2.9 | 27 |
| 30 | Recommended Nuclear Data for the Production of Selected Therapeutic Radionuclides. Nuclear Data Sheets, 2019, 155, 56-74. | 2.2 | 27 |
| 31 | Quark structure of the nucleon and quantum hadrodynamics. Journal of Physics G: Nuclear and Particle Physics, 1989, 15, 297-302. | 3.6 | 26 |
| 32 | The Dirac-Brueckner-Hartree-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 |
| 33 | 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 |
| 34 | Perturbative treatment of parity nonconservation in neutron-nucleus scattering within the optical model. Physical Review C, 1993, 47, 376-386. | 2.9 | 23 |
| 35 | 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 |
| 36 | Multistep nature of heavy-ion fusion reactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 125, 22-24. | 4.1 | 22 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | On the near-barrier fusion of the proton-halo $8\text{B} + 58\text{Ni}$ system. <i>European Physical Journal A</i> , 2013, 49, 1. | 2.5 | 22 |
| 38 | 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 |
| 39 | Systematical study of the optical potential for systems like $A+58\text{Ni}$ from sub-barrier data analyses. <i>Physical Review C</i> , 2003, 67, . | 2.9 | 21 |
| 40 | Theory of multiple giant dipole resonance excitation. <i>Physical Review C</i> , 1999, 60, . | 2.9 | 20 |
| 41 | Fragmentation of unstable neutron-rich oxygen beams. <i>Physical Review C</i> , 2002, 65, . | 2.9 | 20 |
| 42 | 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 |
| 43 | 1S_0 pairing correlations in relativistic nuclear matter and the two-nucleon virtual state. <i>Physical Review C</i> , 1997, 56, 3097-3106. | 2.9 | 19 |
| 44 | Consistent analysis of fusion data without adjustable parameters for a wide variety of heavy-ion systems. <i>Physical Review C</i> , 2007, 75, . | 2.9 | 19 |
| 45 | Precise nuclear matter densities from heavy-ion collisions. <i>Physical Review C</i> , 2001, 65, . | 2.9 | 18 |
| 46 | Systematics of nuclear densities, deformations and excitation energies within the context of the generalized rotation-vibration model. <i>Nuclear Physics A</i> , 2010, 846, 1-30. | 1.5 | 16 |
| 47 | Nuclear processes in astrophysics: Recent progress. <i>European Physical Journal A</i> , 2018, 54, 1. | 2.5 | 16 |
| 48 | Accurate approximation for the Coulomb potential between deformed nuclei. <i>Physical Review C</i> , 2004, 70, . | 2.9 | 15 |
| 49 | Statistical multifragmentation model with Skyrme effective interactions. <i>Physical Review C</i> , 2009, 79, . | 2.9 | 15 |
| 50 | Entrance-channel mass-asymmetry dependence of compound nucleus formation time in light heavy-ion reactions. <i>Physical Review C</i> , 1996, 54, 3290-3293. | 2.9 | 14 |
| 51 | Isospin effects and the density dependence of the nuclear symmetry energy. <i>Physical Review C</i> , 2009, 80, . | 2.9 | 14 |
| 52 | Temperature effects in nuclear isoscaling. <i>Physical Review C</i> , 2009, 80, . | 2.9 | 14 |
| 53 | Systematic study of optical potential strengths in reactions on ^{120}Sn involving strongly bound, weakly bound, and exotic nuclei. <i>Physical Review C</i> , 2019, 100, . | 2.9 | 14 |
| 54 | Optical-model analysis of parity-nonconserving neutron scattering at epithermal energies. <i>Physical Review C</i> , 1995, 52, R11-R14. | 2.9 | 13 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Dinucleus: A Doorway to Heavy-Ion Fusion. <i>Physical Review Letters</i> , 1985, 54, 2659-2662. | 7.8 | 12 |
| 56 | Decay theory of double giant resonances. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 431, 249-253. | 4.1 | 12 |
| 57 | Direct and statistical gamma decay of the giant quadrupole resonance of 208Pb. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1986, 173, 355-358. | 4.1 | 11 |
| 58 | Mean field and pairing properties of nuclear matter in a quark-meson coupling model. <i>Nuclear Physics A</i> , 2002, 697, 469-491. | 1.5 | 11 |
| 59 | Multiphonon and α -Phonon Isovector Electric-Dipole Excitations. <i>Annals of Physics</i> , 1999, 276, 111-119. | 2.8 | 10 |
| 60 | Light-front time picture of few-body systems. <i>Nuclear Physics A</i> , 2004, 737, 260-264. | 1.5 | 10 |
| 61 | $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:mi} \hat{1} \pm \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:mi} \hat{1} \pm \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \rangle \rangle$ reexamined in the context of the São Paulo potential. <i>Physical Review C</i> , 2011, 83, . | 2.9 | 10 |
| 62 | Approximate treatment of relativistic effects in the low-energy $\hat{1} \pm + \hat{1} \pm$ scattering. <i>Physical Review C</i> , 2011, 84, . | 2.9 | 10 |
| 63 | Direct experimental evidence for a multiparticle-hole ground state configuration of deformed Mg33. <i>Physical Review C</i> , 2016, 94, . | 2.9 | 10 |
| 64 | Fragment production in heavy-ion reactions. <i>Physical Review C</i> , 1992, 46, R30-R33. | 2.9 | 9 |
| 65 | Are hot light nuclei liquid droplets?. <i>Physical Review Letters</i> , 1993, 70, 2070-2073. | 7.8 | 9 |
| 66 | Microscopic abrasion-ablation approximation to projectile fragmentation. <i>Physical Review C</i> , 1995, 51, 252-268. | 2.9 | 9 |
| 67 | Statistical multifragmentation model with discretized energy and the generalized Fermi breakup: Formulation of the model. <i>Physical Review C</i> , 2013, 88, . | 2.9 | 9 |
| 68 | Theoretical descriptions of compound-nuclear reactions: open problems and challenges. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2014, 41, 094003. | 3.6 | 9 |
| 69 | Modeling photon-induced reactions on $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle U \langle \text{mml:mprescripts} / \rangle \langle \text{mml:none} / \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 233 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \hat{1} \pm \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 238 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle \rangle$ actinide targets. <i>Physical Review C</i> , 2021, 103, . | 2.9 | 9 |
| 70 | 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 |
| 71 | 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 |
| 72 | Statistical calculation of fission decay probabilities of nuclear giant multipole resonances. <i>Physical Review C</i> , 1989, 39, 564-567. | 2.9 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Consistent analysis of fusion data without adjustable parameters for systems involving odd nuclei. Physical Review C, 2007, 76, . | 2.9 | 8 |
| 74 | Understanding the mechanisms of nuclear collisions: A complete study of the B reaction. Physical Review C, 2021, 103, . | 2.9 | 8 |
| 75 | Regge parametrization of angular distributions for heavy-ion transfer reactions. Nuclear Physics A, 1977, 292, 310-332. | 1.5 | 7 |
| 76 | Quantal theory of Coulomb absorption in heavy-ion scattering. Annals of Physics, 1982, 138, 215-236. | 2.8 | 7 |
| 77 | Multi-step compound model of heavy-ion fusion. Annals of Physics, 1986, 169, 167-190. | 2.8 | 7 |
| 78 | Dissipative processes in light-heavy-ion-induced reactions and their time scales. Physical Review C, 1990, 42, R815-R818. | 2.9 | 7 |
| 79 | A relativistic separable potential to describe pairing in nuclear matter. Nuclear Physics A, 2003, 728, 379-395. | 1.5 | 7 |
| 80 | Quasi-free ^{238}U cross section in macroscopic-microscopic approach. Nuclear Physics A, 2003, 713, 24-44. | 1.5 | 7 |
| 81 | 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 |
| 82 | Configuration mixing in pre-equilibrium reactions. Physical Review C, 2006, 74, . | 2.9 | 7 |
| 83 | Correlation functions and correlation widths in quantum-chaotic scattering for mesoscopic systems and nuclei. Physical Review E, 2016, 93, 012210. | 2.1 | 7 |
| 84 | 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 |
| 85 | Dispersion relation for effective interactions. Physical Review C, 1990, 41, 933-936. | 2.9 | 6 |
| 86 | Anharmonicities of giant dipole excitations. Physical Review C, 2001, 64, . | 2.9 | 6 |
| 87 | Multiple giant resonances in nuclei: their excitation and decay. Nuclear Physics A, 2004, 731, 163-174. | 1.5 | 6 |
| 88 | Self-consistent Dirac quasi-particle blocking approximation applied to the $\hat{\tau}$ -decay scheme of the superheavy element 287115 . Journal of Physics G: Nuclear and Particle Physics, 2006, 32, 655-666. | 3.6 | 6 |
| 89 | 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 |
| 90 | 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 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | Internal and kinetic temperatures of fragments in the framework of a nuclear statistical multifragmentation model. <i>Physical Review C</i> , 2015, 92, . | 2.9 | 6 |
| 92 | 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 |
| 93 | Quantum collisional evolution of a one-dimensional fermi gas: Numerical solution. <i>Nuclear Physics A</i> , 1986, 457, 261-272. | 1.5 | 5 |
| 94 | Quasifree electrofission of ^{238}U . <i>Physical Review C</i> , 2002, 65, . | 2.9 | 5 |
| 95 | Nonlocal description of the nuclear interaction. <i>Brazilian Journal of Physics</i> , 2003, 33, 238. | 1.4 | 5 |
| 96 | Fermi breakup and the statistical multifragmentation model. <i>Nuclear Physics A</i> , 2012, 876, 77-92. | 1.5 | 5 |
| 97 | Influence of the density of states on the odd-even staggering in the charge distribution of the emitted fragments in nuclear heavy-ion collisions. <i>Physical Review C</i> , 2014, 90, . | 2.9 | 5 |
| 98 | 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 |
| 99 | Analysis of the angular distribution of cosmic-ray-induced particles in the atmosphere based on Monte Carlo simulations including the influence of the Earth's magnetic field. <i>Astroparticle Physics</i> , 2018, 97, 106-117. | 4.3 | 5 |
| 100 | Temperature-dependent symmetry energy of neutron-rich thermally fissile nuclei. <i>Physical Review C</i> , 2019, 99, . | 2.9 | 5 |
| 101 | Towards a systematic optical model potential for $A = 8$ projectiles. <i>European Physical Journal A</i> , 2021, 57, 1. | 2.5 | 5 |
| 102 | Statistical Features of the Thermal Neutron Capture Cross Sections. <i>Acta Physica Polonica B</i> , 2016, 47, 391. | 0.8 | 5 |
| 103 | Coulomb excitation of a damped oscillator and the Brink-Axel mechanism. <i>Physical Review C</i> , 1999, 59, 2689-2694. | 2.9 | 4 |
| 104 | Total reaction cross sections for low energy deuterons in the semiclassical approach. <i>Physical Review C</i> , 2002, 66, . | 2.9 | 4 |
| 105 | Three-body model for the complete fusion of a two-cluster composite projectile with a heavy target. <i>Nuclear Physics A</i> , 2004, 738, 367-371. | 1.5 | 4 |
| 106 | The effects of temperature on finite nuclei. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2010, 199, 345-348. | 0.4 | 4 |
| 107 | Study of a Long Counter Neutron Detector for the Cosmic-Ray-Induced Neutron Spectrum. <i>IEEE Transactions on Nuclear Science</i> , 2013, 60, 897-902. | 2.0 | 4 |
| 108 | Study of Ground State Wave-function of the Neutron-rich $^{29,30}\text{Na}$ Isotopes through Coulomb Breakup. <i>EPJ Web of Conferences</i> , 2014, 66, 02087. | 0.3 | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | Temperature effects on nuclear pseudospin symmetry in the Dirac-Hartree-Bogoliubov formalism. Physical Review C, 2017, 96, . | 2.9 | 4 |
| 110 | IAEA coordinated research project on nuclear data for charged-particle monitor reactions and medical isotope production. EPJ Web of Conferences, 2017, 146, 08007. | 0.3 | 4 |
| 111 | Inclusive breakup cross sections in reactions induced by the nuclides He6 and Li6,7 in the two-body cluster model. Physical Review C, 2021, 104, . | 2.9 | 4 |
| 112 | Reactive Content of the Proton-Nucleus Impulse-Approximation Dirac Optical Potential. Physical Review Letters, 1984, 53, 2222-2225. | 7.8 | 3 |
| 113 | Inclusive annihilation of antiprotons on deuterium. Physical Review C, 1990, 42, 138-141. | 2.9 | 3 |
| 114 | Isospin structure of one- and two-phonon giant dipole resonance excitations. Physical Review C, 1999, 59, 3093-3098. | 2.9 | 3 |
| 115 | Mean energy, strength, and width of triple giant dipole resonances. Physical Review C, 2002, 65, . | 2.9 | 3 |
| 116 | Computer codes for spectrum average cross section calculations. Annals of Nuclear Energy, 2004, 31, 1069-1072. | 1.8 | 3 |
| 117 | Fermi breakup and the Statistical Multifragmentation Model. Journal of Physics: Conference Series, 2011, 312, 082017. | 0.4 | 3 |
| 118 | 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 |
| 119 | Transition densities in the context of the generalized rotation-vibration model. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 105102. | 3.6 | 3 |
| 120 | Post breakup dynamical evolution of fragments produced in nuclear multifragmentation. Nuclear Physics A, 2019, 989, 69-80. | 1.5 | 3 |
| 121 | Quasiparticle nature of excited states in random-phase approximation. Physical Review C, 2019, 99, . | 2.9 | 3 |
| 122 | Velocity-dependent model for the \hat{V}_{\pm} interaction in the context of the double-folding potential. Physical Review C, 2020, 101, . | 2.9 | 3 |
| 123 | Polarization Potentials in Nuclear Physics. Brazilian Journal of Physics, 2021, 51, 181-192. | 1.4 | 3 |
| 124 | Neutron capture cross sections of light neutron-rich nuclei relevant for r -process nucleosynthesis. Physical Review C, 2021, 104, . | 2.9 | 3 |
| 125 | Ground-state configuration of neutron-rich ^{35}Al via Coulomb breakup. Physical Review C, 2017, 96, . | 2.9 | 3 |
| 126 | Impact of shell structure on the fusion of neutron-rich mid-mass nuclei. Physical Review C, 2021, 104, . | 2.9 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Extension of the nuclear reaction model code EMPIRE to actinides' nuclear data evaluation. , 2007, , . | | 3 |
| 128 | Multiple Coulomb excitation effects in heavy-ion compound and fusion cross sections. Physical Review C, 1982, 26, 2007-2015. | 2.9 | 2 |
| 129 | The average angular distribution of emitted particles in multi-step compound processes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 138, 357-360. | 4.1 | 2 |
| 130 | Time scales of multiple giant dipole resonance excitation and decay. Physical Review C, 1999, 59, R2343-R2346. | 2.9 | 2 |
| 131 | Excitation of triple giant resonances in heavy-ion reactions. Physical Review C, 2002, 66, . | 2.9 | 2 |
| 132 | p+4,6,8He elastic scattering at intermediate energies. Nuclear Physics A, 2003, 724, 345-353. | 1.5 | 2 |
| 133 | Configuration mixing in nucleon-induced pre-equilibrium reactions. Nuclear Physics A, 2007, 787, 211-218. | 1.5 | 2 |
| 134 | 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 |
| 135 | The density of available states of the DDHMS pre-equilibrium model. EPJ Web of Conferences, 2012, 21, 09001. | 0.3 | 2 |
| 136 | Relativistic mean-field models and nuclear matter constraints. , 2013, , . | | 2 |
| 137 | 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 |
| 138 | Inclusive breakup of Borromean nuclei. Journal of Physics: Conference Series, 2017, 863, 012035. | 0.4 | 2 |
| 139 | Inclusive Breakup Theory of Three-Body Halos. EPJ Web of Conferences, 2017, 163, 00024. | 0.3 | 2 |
| 140 | A theoretical study of deuteron-induced surrogate reactions. EPJ Web of Conferences, 2017, 146, 12001. | 0.3 | 2 |
| 141 | Neck configuration of Cm and Cf nuclei in the fission state within the relativistic mean field formalism. Physical Review C, 2019, 100, . | 2.9 | 2 |
| 142 | Effect of the nucleon-nucleon interaction on the fusion cross-section within the relativistic mean field formalism. Journal of Physics: Conference Series, 2019, 1291, 012017. | 0.4 | 2 |
| 143 | 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 |
| 144 | IAEA coordinated research programme: nuclear data for the production of therapeutic radionuclides. , 2007, , . | | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 145 | Fission widths and multi-dimensional barrier penetration. Nuclear Physics A, 1979, 331, 117-140. | 1.5 | 1 |
| 146 | Optical model description of DIC?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1980, 91, 332-336. | 4.1 | 1 |
| 147 | Ambiguity in the three-body description of inclusive break-up reactions. Journal of Physics G: Nuclear and Particle Physics, 1991, 17, L139-L142. | 3.6 | 1 |
| 148 | Spin polarization and rotation of polarized epithermal neutrons scattered off heavy nuclei. Physical Review C, 1997, 56, 292-295. | 2.9 | 1 |
| 149 | Effective widths and effective number of phonons of multiphonon giant resonances. Physical Review C, 1999, 60, . | 2.9 | 1 |
| 150 | Medium Corrections to the Nucleon Electroweak Observables in a Light-Front Quark Model. AIP Conference Proceedings, 2004, , . | 0.4 | 1 |
| 151 | Comparison between models of the decay of light compound nuclei. Brazilian Journal of Physics, 2005, 35, 919-920. | 1.4 | 1 |
| 152 | Coulomb and nuclear potentials between deformed nuclei applied to the fusion process. Brazilian Journal of Physics, 2005, 35, 906-908. | 1.4 | 1 |
| 153 | Production Cross Sections of Some Radionuclides with Therapeutic Applications. AIP Conference Proceedings, 2005, , . | 0.4 | 1 |
| 154 | Semiclassical Coulomb interaction. Physical Review C, 2005, 72, . | 2.9 | 1 |
| 155 | Polarization effects in relativistic pairing in nuclear matter. Nuclear Physics A, 2006, 765, 75-96. | 1.5 | 1 |
| 156 | Standard and quasideuteron pairing in asymmetric nuclear matter. Nuclear Physics A, 2007, 788, 316-321. | 1.5 | 1 |
| 157 | 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 |
| 158 | Cosmic-ray transport simulation through the atmosphere in the South Atlantic Magnetic Anomaly. , 2012, , . | | 1 |
| 159 | Nuclear monopole charge form factor calculation for relativistic models including center-of-mass corrections. European Physical Journal A, 2013, 49, 1. | 2.5 | 1 |
| 160 | The density of available states of the DDHMS pre-equilibrium model. , 2013, , . | | 1 |
| 161 | Emission of intermediate mass fragments at high excitation energy. , 2013, , . | | 1 |
| 162 | Formation and decay of a hot compound nucleus. EPJ Web of Conferences, 2014, 69, 00012. | 0.3 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 163 | Comparison of approximations to the transition rate in the DDHMS preequilibrium model. EPJ Web of Conferences, 2014, 69, 00024. | 0.3 | 1 |
| 164 | Influence of clouds on the cosmic radiation dose rate on aircraft. Radiation Protection Dosimetry, 2014, 161, 279-283. | 0.8 | 1 |
| 165 | Ground-state configuration of neutron-rich Aluminum isotopes through Coulomb Breakup. EPJ Web of Conferences, 2014, 66, 02019. | 0.3 | 1 |
| 166 | The São Paulo Potential and the 3He Breakup Reaction at 130 MeV on 93Nb and 197Au. Brazilian Journal of Physics, 2021, 51, 323-327. | 1.4 | 1 |
| 167 | Nucleon-induced inelastic scattering with statistical strength functions and the ECIS direct reaction code. European Physical Journal A, 2021, 57, 1. | 2.5 | 1 |
| 168 | Multi-step Direct Reaction Models Including Collectivity in Nucleon Induced Reactions. Springer Proceedings in Physics, 2021, , 65-72. | 0.2 | 1 |
| 169 | Configuration mixing in nucleon-induced pre-equilibrium reactions. , 2007, , . | | 1 |
| 170 | Dirac-Hartree-Bogoliubov approximation for finite nuclei with blocking. Brazilian Journal of Physics, 2004, 34, 855-858. | 1.4 | 1 |
| 171 | EMPIRE ultimate expansion: resonances and covariances. , 2007, , . | | 1 |
| 172 | Hybrid method for calculating exciton state and level densities. Physical Review C, 1989, 40, 2265-2270. | 2.9 | 0 |
| 173 | A fully relativistic Hartree-Bogoliubov approach for deformed nuclei. , 1998, , . | | 0 |
| 174 | Polarization effects in relativistic nuclear pairing. Brazilian Journal of Physics, 2003, 33, 297-300. | 1.4 | 0 |
| 175 | Vacuum polarization effects in relativistic nuclear pairing. Brazilian Journal of Physics, 2004, 34, 889-893. | 1.4 | 0 |
| 176 | Towards a self-consistent Dirac Greenâ€™s function approximation to asymmetric nuclear matter. AIP Conference Proceedings, 2004, , . | 0.4 | 0 |
| 177 | Nuclear Matter with Relativistic Quark Dynamics. AIP Conference Proceedings, 2004, , . | 0.4 | 0 |
| 178 | Trajectory effects in coulomb excitation. Brazilian Journal of Physics, 2006, 36, 1379-1382. | 1.4 | 0 |
| 179 | The surface geometry of exotic nuclei. AIP Conference Proceedings, 2007, , . | 0.4 | 0 |
| 180 | A Microscopic semi-classical model of nucleon-induced pre-equilibrium reactions. AIP Conference Proceedings, 2007, , . | 0.4 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 181 | Quasideuteron pairing in asymmetric nuclear matter. Nuclear Physics A, 2007, 790, 588c-592c. | 1.5 | 0 |
| 182 | The effect of temperature and pairing on nuclear pseudospin symmetry. , 2009, , . | | 0 |
| 183 | Temperature dependence of normal and quasi-deuteron pairing in asymmetric nuclear matter. , 2009, , . | | 0 |
| 184 | Nuclear Data for Proton Beam Radiotherapy. , 2009, , . | | 0 |
| 185 | Transformations and symmetries of the pairing fields in nuclear matter. , 2009, , . | | 0 |
| 186 | Title is missing!. Nuclear Physics, Section B, Proceedings Supplements, 2010, 199, 1-2. | 0.4 | 0 |
| 187 | Transformations of the pairing fields in nuclear matter. Nuclear Physics, Section B, Proceedings Supplements, 2010, 199, 357-359. | 0.4 | 0 |
| 188 | Color Superconductivity and Confinement in the Chromodielectric Model. Nuclear Physics, Section B, Proceedings Supplements, 2010, 199, 308-313. | 0.4 | 0 |
| 189 | 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 |
| 190 | The statistical decay of very hot nuclei: from sequential decay to multifragmentation. , 2011, , . | | 0 |
| 191 | Evaluation of the Response of a Neutron Detector of the Long-Counter Type Using Monte Carlo Transport Simulation. , 2011, , . | | 0 |
| 192 | Static and Covariant Meson-Exchange Interactions in Nuclear Matter. Few-Body Systems, 2011, 49, 85-89. | 1.5 | 0 |
| 193 | Bound state densities and the Helmholtz free energy. EPJ Web of Conferences, 2012, 21, 10003. | 0.3 | 0 |
| 194 | Comparison of transition densities in the DDHMS model of pre-equilibrium emission. , 2014, , . | | 0 |
| 195 | Compound nucleus decay: Comparison between saddle point and scission point barriers. , 2014, , . | | 0 |
| 196 | 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 |
| 197 | Comparison between cross sections, saddle point and scission point barriers for the $^{32}\text{S}+^{24}\text{Mg}$ reaction. EPJ Web of Conferences, 2014, 69, 00023. | 0.3 | 0 |
| 198 | A Theoretical Study of Deuteron-induced Surrogate Reactions. Journal of Physics: Conference Series, 2017, 863, 012039. | 0.4 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 199 | A Monte Carlo model of deuteron emission in pre-equilibrium nuclear reactions. Journal of Physics: Conference Series, 2019, 1291, 012036. | 0.4 | 0 |
| 200 | The role of nucleon knockout in pre-equilibrium reactions. Journal of Physics: Conference Series, 2019, 1291, 012009. | 0.4 | 0 |
| 201 | Comparison of saddle point and exact combinatorial level densities. Journal of Physics: Conference Series, 2019, 1291, 012042. | 0.4 | 0 |
| 202 | Infinite nuclear matter characteristics of the finite nuclei within relativistic mean-field formalism. Astronomische Nachrichten, 2019, 340, 194-198. | 1.2 | 0 |
| 203 | Neutron Capture Cross Sections of Radioactive Nuclei. Brazilian Journal of Physics, 2021, 51, 212-222. | 1.4 | 0 |
| 204 | Symmetry energy and neutron pressure of finite nuclei using the relativistic mean-field formalism. Astronomische Nachrichten, 2021, 342, 462-468. | 1.2 | 0 |
| 205 | Fragmentation of exotic oxygen isotopes. Brazilian Journal of Physics, 2003, 33, 328-332. | 1.4 | 0 |
| 206 | p+ ^{6,8} He elastic scattering at intermediate energies. Brazilian Journal of Physics, 2004, 34, 773-776. | 1.4 | 0 |
| 207 | A Dirac description of $^{15}\text{O}+^{13}\text{S}1-^{13}\text{D}1$ pairing in nuclear matter. Brazilian Journal of Physics, 2004, 34, 894-896. | 1.4 | 0 |
| 208 | Semiclassical Coulomb excitation matrix elements. Brazilian Journal of Physics, 2004, 34, 859-861. | 1.4 | 0 |
| 209 | Modeling Compound Nuclear Reactions with EMPIRE. Springer Proceedings in Physics, 2021, , 17-25. | 0.2 | 0 |