

Roman Skibiński

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7567031/publications.pdf>

Version: 2024-02-01

122
papers

2,324
citations

201674

27
h-index

243625

44
g-index

123
all docs

123
docs citations

123
times ranked

632
citing authors

#	ARTICLE	IF	CITATIONS
1	Inelastic scattering as a tool to probe properties of ^3N forces. Physical Review C, 2001, 63, .	2.9	128
2	Few-nucleon systems with state-of-the-art chiral nucleon-nucleon forces. Physical Review C, 2016, 93, .	2.9	106
3	Electron and photon scattering on three-nucleon bound states. Physics Reports, 2005, 415, 89-205.	25.6	104
4	Systematic investigation of three-nucleon force effects in elastic scattering of polarized protons from deuterons at intermediate energies. Physical Review C, 2005, 71, .	2.9	99
5	Systematic investigation of the elastic proton-deuteron differential cross section at intermediate energies. Physical Review C, 2003, 68, .	2.9	87
6	Systematic study of three-nucleon force effects in the cross section of the deuteron-proton breakup at 130 MeV. Physical Review C, 2005, 72, .	2.9	87
7	Differential cross section and analyzing power measurements for n scattering at 248 MeV. Physical Review C, 2007, 76, .	2.9	75
8	Efficient calculation of chiral three-nucleon forces up to $N^3\text{LO}$ for ab initio studies. Physical Review C, 2015, 91, .	2.9	74
9	Few- and many-nucleon systems with semilocal coordinate-space regularized chiral two- and three-body forces. Physical Review C, 2019, 99, .	2.9	68
10	Few-nucleon and many-nucleon systems with semilocal coordinate-space regularized chiral nucleon-nucleon forces. Physical Review C, 2018, 98, .	2.9	59
11	Towards high-order calculations of three-nucleon scattering in chiral effective field theory. European Physical Journal A, 2020, 56, 1.	2.5	52
12	Light nuclei with semilocal momentum-space regularized chiral interactions up to third order. Physical Review C, 2021, 103, .	2.9	52
13	Evidence of three-nucleon force effects from 130 MeV deuteron-proton breakup cross section measurement. Physical Review C, 2003, 68, .	2.9	49
14	Vector and tensor analyzing powers of elastic deuteron-proton scattering at 130 MeV deuteron beam energy. Physical Review C, 2007, 76, .	2.9	48
15	Vector and tensor analyzing powers in deuteron-proton breakup at 130 MeV. Physical Review C, 2010, 82, .	2.9	48
16	Three-nucleon force effects in nucleon induced deuteron breakup. II. Comparison to data. Physical Review C, 2002, 66, .	2.9	45
17	Low-energy neutron-deuteron reactions with $N^3\text{LO}$ chiral forces. European Physical Journal A, 2014, 50, 1.	2.5	45
18	Three-nucleon force effects in nucleon induced deuteron breakup. I. Predictions of current models. Physical Review C, 2002, 66, .	2.9	41

#	ARTICLE	IF	CITATIONS
19	Three-nucleon force effects in the $\langle \langle H \rangle \rangle$		

#	ARTICLE	IF	CITATIONS
55	Muon capture on ${}^3\text{H}$. Physical Review C, 2016, 94, .	2.9	12
56	Faddeev Calculations of Breakup Reactions with Realistic Experimental Constraints. Few-Body Systems, 2004, 34, 259-273.	1.5	11
57	Measurement of the asymmetries in ${}^3\text{He}(\bar{\nu}_e, e^2\text{p})\text{d}$ and ${}^3\text{He}(\bar{\nu}_e, e^2\text{p})\text{n}$. European Physical Journal A, 2005, 25, 177-183.	2.5	11
58	Role of the Total Isospin 3/2 Component in Three-Nucleon Reactions. Few-Body Systems, 2016, 57, 1213-1225.	1.5	11
59	Theoretical uncertainties of the elastic nucleon-deuteron scattering observables. Physical Review C, 2018, 98, .	2.9	11
60	Electron scattering on ${}^3\text{He}$ --A playground to test nuclear dynamics. European Physical Journal A, 2004, 21, 335-348.	2.5	10
61	Different formulations of ${}^3\text{He}$ and ${}^3\text{H}$ photodisintegration. European Physical Journal A, 2005, 24, 31-38.	2.5	10
62	Momentum space treatment of inclusive neutrino scattering off the deuteron and trinucleons. Physical Review C, 2018, 98, .	2.9	10
63	Calculations of Three-Nucleon Reactions. Few-Body Systems, 2013, 54, 897-902.	1.5	9
64	Measurement of Double-Polarization Asymmetries in the Quasielastic ${}^3\text{He}(\bar{\nu}_e, e^2\text{p})\text{d}$ and ${}^3\text{He}(\bar{\nu}_e, e^2\text{p})\text{n}$. European Physical Journal A, 2005, 25, 177-183.		

#	ARTICLE	IF	CITATIONS
73	The Chiral Long-range Two-pion Exchange Electromagnetic Currents in Radiative Nucleon-Deuteron Capture. Acta Physica Polonica B, 2015, 46, 159.	0.8	7
74	Application of Semilocal Coordinate-Space Regularized Chiral Forces to Elastic Nd Scattering and Breakup. Few-Body Systems, 2019, 60, 1.	1.5	7
75	From response functions to cross sections in neutrino scattering off the deuteron and trinucleons. Physical Review C, 2019, 100, .	2.9	7
76	Significance of chiral three-nucleon force contact terms for understanding of elastic nucleon-deuteron scattering. Physical Review C, 2022, 105, .	2.9	7
77	Proton-proton scattering without Coulomb force renormalization. European Physical Journal A, 2009, 40, 215-221.	2.5	6
78	Exact three-dimensional wave function and the on-shell t matrix for the sharply cut-off Coulomb potential: Failure of the standard renormalization factor. Physical Review C, 2009, 79, .	2.9	6
79	Perturbative Treatment of Three-Nucleon Force Contact Terms in Three-Nucleon Faddeev Equations. Few-Body Systems, 2021, 62, 1.	1.5	6
80	Efficient emulator for solving three-nucleon continuum Faddeev equations with chiral three-nucleon force comprising any number of contact terms. European Physical Journal A, 2021, 57, 1.	2.5	6
81			

#	ARTICLE	IF	CITATIONS
91	LORENTZ BOOSTED NUCLEON-NUCLEON T-MATRIX AND THE TRITON BINDING ENERGY. Modern Physics Letters A, 2009, 24, 804-809.	1.2	3
92	3H at Next-to-Next-to-Next-to Leading Order of the Chiral Expansion. Few-Body Systems, 2013, 54, 1315-1318.	1.5	3
93	The general operator form for the total-momentum-dependent nucleon-nucleon potential. European Physical Journal A, 2016, 52, 1.	2.5	3
94	Three Nucleon Scattering in a 3D Approach at the First Order. Few-Body Systems, 2017, 58, 1.	1.5	3
95	A comprehensive analysis of differential cross sections and analyzing powers in the proton-deuteron break-up channel at 135 MeV. European Physical Journal A, 2021, 57, 1.	2.5	3
96	First measurement of the asymmetry and the Gerasimov-Drell-Hearn integrand from the $^3\text{He}(\gamma, n)^2\text{He}$ reaction. Physical Review C, 2021, 103, .	2.9	3
97	Relativistic effects in the 3N continuum and the A_γ puzzle. Few-Body Systems, 2008, 44, 15-17.	1.5	2
98	Partial wave decomposition of ^2He exchange three-nucleon force in chiral effective field theory. AIP Conference Proceedings, 2008, .	0.4	2
99	A comprehensive study of analyzing powers in the proton-deuteron break-up channel at 135 MeV. European Physical Journal A, 2020, 56, 1.	2.5	2
100	Theoretical predictions for extraction of G_E from semi-inclusive electron scattering on polarized ^3He based on various nucleon-nucleon interactions. Physical Review C, 2002, 66, .	2.9	1
101	Cross sections of the deuteron-proton breakup at 130 MeV. AIP Conference Proceedings, 2005, .	0.4	1
102	Momentum space 3N Faddeev calculations of hadronic and electromagnetic reactions with proton-proton Coulomb and three-nucleon forces included. European Physical Journal A, 2011, 47, 1.	2.5	1
103	Orthogonal polynomial approach to calculate the two-nucleon transition operator in three dimensions. European Physical Journal A, 2016, 52, 1.	2.5	1
104	Possible Extension of the Three-body Force by the Unitary Clothing Transformations Method in the Faddeev Equations. Few-Body Systems, 2021, 62, 1.	1.5	1
105	Investigations of the few-nucleon systems within the LENPIC project. SciPost Physics Proceedings, 2020, .	0.4	1
106	Three-nucleon spin observables: Signatures for three-nucleon force effects. AIP Conference Proceedings, 2001, .	0.4	0
107	Testing the nuclear Hamiltonian in the 3N continuum and the electromagnetic processes on ^3H . AIP Conference Proceedings, 2002, .	0.4	0
108	Relativity in the three-nucleon system. Few-Body Systems, 2008, 44, 291-293.	1.5	0

#	ARTICLE	IF	CITATIONS
109	Three-nucleon force effects in 3N hadronic and photonic reactions. AIP Conference Proceedings, 2008, , .	0.4	0
110	Vector and Tensor Analyzing Powers in Deuteronâ€™Proton Breakup. Few-Body Systems, 2011, 50, 283-285.	1.5	0
111	Investigations of Few-Nucleon System Dynamics in Medium Energy Domain. Few-Body Systems, 2013, 54, 1301-1305.	1.5	0
112	2N and 3N Systems in a Three Dimensional Formalism. Few-Body Systems, 2014, 55, 835-838.	1.5	0
113	Investigation of the Three-Nucleon System Dynamics in the Deuteronâ€™Proton Breakup Reaction. Few-Body Systems, 2014, 55, 639-644.	1.5	0
114	The Two-Nucleon and Three-Nucleon System in Three Dimensions. Acta Physica Polonica A, 2015, 127, 1527-1528.	0.5	0
115	N3LO Chiral Predictions for Spin Observables in Nucleon-Deuteron Elastic Scattering at Low Energies. International Journal of Modern Physics Conference Series, 2016, 40, 1660069.	0.7	0
116	Muon Capture on ${}^3\text{H}$. Few-Body Systems, 2017, 58, 1.	1.5	0
117	The Role of the Isospin 3/2 Component in Elastic Neutron-Deuteron Scattering and in the Deuteron Breakup Reaction. International Journal of Modern Physics Conference Series, 2018, 46, 1860050.	0.7	0
118	Modern Chiral Forces Applied to the Neutron-Deuteron Breakup Reaction. Few-Body Systems, 2021, 62, 1.	1.5	0
119	Correlation and Regression Analysis of 2N Scattering Observables. Few-Body Systems, 2021, 62, 1.	1.5	0
120	Three-Nucleon Force Effects in Observables for ${}^3\text{H} \rightarrow \text{d} + \text{p}$ Breakup at 130 MeV. , 2007, , .		0
121	Relativistic Faddeev Calculation for Nucleon-Deuteron Scattering with the Kharkov Potential. Springer Proceedings in Physics, 2020, , 449-453.	0.2	0
122	3N Continuum Reactions with Semilocal Coordinate-Space Regularized Chiral Forces. Springer Proceedings in Physics, 2020, , 433-438.	0.2	0