

Charlotte Elster

List of Publications by Year in descending order

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78
papers

3,812
citations

201575

27
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62
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78
docs citations

78
times ranked

1142
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlocal Structure of the Leading Order ab initio Effective Potentials for Proton Elastic Scattering from Light Nuclei. <i>Few-Body Systems</i> , 2022, 63, 1.	0.7	0
2	Nuclear spin features relevant to ab initio nucleon-nucleus elastic scattering. <i>Physical Review C</i> , 2021, 103, .	1.1	4
3	Ab initio leading order effective potentials for elastic nucleon-nucleus scattering. <i>Physical Review C</i> , 2020, 102, .	1.1	24
4	White paper: from bound states to the continuum. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2020, 47, 123001.	1.4	38
5	Ab initio Folding Potentials for Proton-Nucleus Scattering with NCSM Nonlocal One-Body Densities. <i>Springer Proceedings in Physics</i> , 2020, , 151-155.	0.1	0
6	Three-Body Approach to Deuteron-Alpha Scattering Using Realistic Forces in a Separable or Non-separable Representation. <i>Springer Proceedings in Physics</i> , 2020, , 267-271.	0.1	0
7	Deuteron- $\hat{1}_{\pm}$ scattering: Separable versus nonseparable Faddeev approach. <i>Physical Review C</i> , 2019, 100, .	1.1	10
8	Ab initio folding potentials for nucleon-nucleus scattering based on no-core shell-model one-body densities. <i>Physical Review C</i> , 2019, 99, .	1.1	36
9	Ab initio translationally invariant nonlocal one-body densities from no-core shell-model theory. <i>Physical Review C</i> , 2018, 97, .	1.1	18
10	Few-body universality in the deuteron- $\hat{1}_{\pm}$ system. <i>Physical Review C</i> , 2018, 98, .	1.1	6
11	New developments in reaction theory: preparing for the FRIB era. <i>EPJ Web of Conferences</i> , 2018, 178, 03001.	0.1	2
12	White paper on nuclear astrophysics and low-energy nuclear physics, Part 2: Low-energy nuclear physics. <i>Progress in Particle and Nuclear Physics</i> , 2017, 94, 68-124.	5.6	20
13	Separable representation of multichannel nucleon-nucleus optical potentials. <i>Physical Review C</i> , 2017, 95, .	1.1	4
14	Li6 in a three-body model with realistic Forces: Separable versus nonseparable approach. <i>Physical Review C</i> , 2017, 96, .	1.1	10
15	Three Dimensional SRG Evolution of the NNInteractions Using Picard Iteration. <i>EPJ Web of Conferences</i> , 2016, 113, 08008.	0.1	2
16	Separable Forces for (d,p) Reactions in Momentum Space. <i>EPJ Web of Conferences</i> , 2016, 113, 08010.	0.1	0
17	Separable Potentials for (d,p) Reaction Calculations. <i>Journal of Physics: Conference Series</i> , 2016, 724, 012014.	0.3	0
18	Towards a Faddeev-AGS description of (d,p) reactions with heavy nuclei: Regularizing integrals with Coulomb functions.. <i>EPJ Web of Conferences</i> , 2016, 113, 03016.	0.1	0

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19	Separable representation of energy-dependent optical potentials. Physical Review C, 2016, 93, .	1.1	5
20	Coulomb wave functions in momentum space. Computer Physics Communications, 2015, 187, 195-203.	3.0	5
21	Relativistic three-body bound state in a 3D formulation. Physical Review C, 2014, 90, .	1.1	16
22	^6He nucleus in halo effective field theory. Physical Review C, 2014, 90, .	1.1	62
23	Coulomb problem in momentum space without screening. Physical Review C, 2014, 90, .	1.1	10
24	Separable representation of proton-nucleus optical potentials. Physical Review C, 2014, 90, .	1.1	12
25	Reexamining surface-integral formulations for one-nucleon transfers to bound and resonance states. Physical Review C, 2014, 89, .	1.1	7
26	Panel Session on the Future of Few-Body Physics. Few-Body Systems, 2014, 55, 683-686.	0.7	0
27	Two-Nucleon Scattering Without Partial Waves Using a Momentum Space Argonne V18 Interaction. Few-Body Systems, 2013, 54, 2207-2225.	0.7	12
28	Microscopic Optical Potentials for Helium-6 Scattering off Protons. Few-Body Systems, 2013, 54, 1399-1403.	0.7	3
29	Open shell effects in a microscopic optical potential for elastic scattering of ^6He . Physical Review C, 2013, 88, .	1.1	7
30	Separable representation of phenomenological optical potentials of Woods-Saxon type. Physical Review C, 2013, 88, .	1.1	19
31	Elastic scattering of ^6He based on a cluster description. Physical Review C, 2012, 85, .	1.1	15
32	Mini Review of Poincaré Invariant Quantum Theory. Few-Body Systems, 2011, 49, 129-147.	0.7	25
33	Recent Developments of a Three-dimensional Description of the NN System. Few-Body Systems, 2011, 50, 279-281.	0.7	4
34	A new way to perform partial-wave decompositions of few-nucleon forces. European Physical Journal A, 2010, 43, 241-250.	1.0	35
35	^3N scattering in a three-dimensional operator formulation. European Physical Journal A, 2010, 43, 339-350.	1.0	22
36	A New Treatment of ^2N and ^3N Bound States in Three Dimensions. Few-Body Systems, 2010, 47, 25-38.	0.7	15

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37	Two-nucleon systems in three dimensions. Physical Review C, 2010, 81, .	1.1	35
38	The $\langle \mathbf{n} \mathbf{m} \rangle + \langle \mathbf{m} \mathbf{n} \rangle$ in a continuum Faddeev formulation. Physical Review C, 2010, 82, .	1.1	46
39	Subtractive renormalization of the NN interaction in chiral effective theory up to next-to-next-to-leading order: Swaves. Physical Review C, 2009, 80, .	0.7	18
40	A New Approach to the 3D Faddeev Equation for Three-body Scattering. Few-Body Systems, 2009, 45, 1-10.	0.7	5
41	Poincaré Invariant Three-Body Scattering. Few-Body Systems, 2009, 45, 157-160.	0.7	3
42	Three-body scattering in Poincaré-invariant quantum mechanics. Few-Body Systems, 2008, 44, 287-289.	1.5	33
43	Relativistic effects in exclusive pd breakup scattering at intermediate energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 660, 345-349.	1.1	17
44	Faddeev and Glauber calculations at intermediate energies in a model for $n+d$ scattering. Physical Review C, 2008, 78, .	1.1	33
45	Poincaré invariant three-body scattering at intermediate energies. Physical Review C, 2008, 78, .	1.1	27
46	First order relativistic three-body scattering. Physical Review C, 2007, 76, .	1.1	0
47	Three-Nucleon Scattering at Intermediate Energies. , 2007, , .	1.1	1
48	Charged- and neutral-pion production in the S-matrix approach. Physical Review C, 2006, 74, .	0.3	1
49	Three-body scattering without partial waves. AIP Conference Proceedings, 2005, , .	1.1	57
50	Three-body scattering at intermediate energies. Physical Review C, 2005, 72, .	0.3	12
51	Photoproduction of $\hat{1}\hat{E}^1$ -mesons from the Proton. AIP Conference Proceedings, 2004, , .	0.7	25
52	Model Study of Three-Body Forces in the Three-Body Bound State. Few-Body Systems, 2003, 33, 241-258.	1.1	25
53	n breakup process in leading order in a three-dimensional approach. Physical Review C, 2003, 68, .	0.5	12
54	THE PROTON-DEUTERON BREAK-UP PROCESS IN A THREE-DIMENSIONAL APPROACH. Modern Physics Letters A, 2003, 18, 452-455.		

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55	Pseudovector vs pseudoscalar coupling in one-boson exchange NN potentials. Physical Review C, 2002, 66, .	1.1	2
56	Lorentz boosted NN potential for few-body systems: Application to the three-nucleon bound state. Physical Review C, 2002, 66, .	1.1	36
57	Resonance saturation for four-nucleon operators. Physical Review C, 2002, 65, .	1.1	104
58	New forms of deuteron equations and wave function representations. Physical Review C, 2001, 63, .	1.1	28
59	Three-Body Scattering Below Breakup Threshold: An Approach Without Using Partial Waves. Few-Body Systems, 2000, 28, 15-34.	0.7	34
60	Nucleon-nucleon scattering in a three dimensional approach. Physical Review C, 2000, 62, .	1.1	54
61	Sensitivities of the proton-nucleus elastic scattering observables of ^6He and ^8He at intermediate energies. Physical Review C, 2000, 61, .	1.1	29
62	Modern NN force predictions for the total nd cross section up to 300 MeV. Physical Review C, 1999, 59, 3035-3046.	1.1	33
63	Three-Body Bound-State Calculations Without Angular-Momentum Decomposition. Few-Body Systems, 1999, 27, 83-105.	0.7	50
64	Off-shell structures of nucleon-nucleon matrices and their influence on nucleon-nucleus elastic scattering observables. Physical Review C, 1998, 57, 1378-1385.	1.1	17
65	Inadequacies of the Nonrelativistic ^3N Hamiltonian in Describing the $n+d$ Total Cross Section. Physical Review Letters, 1998, 81, 57-60.	2.9	48
66	Energy dependence of the NN matrix in the optical potential for elastic nucleon-nucleus scattering. Physical Review C, 1998, 57, 189-195.	1.1	13
67	Full-folding optical potentials for elastic nucleon-nucleus scattering based on realistic densities. Physical Review C, 1997, 56, 2080-2092.	1.1	31
68	Nonlocality in the Nucleon-Nucleon Interaction Due to Minimal-Relativity Factors: Effects on Two-Nucleon Observables and the Three-Nucleon Binding Energy. Few-Body Systems, 1996, 21, 25-45.	0.7	9
69	Propagator modifications in elastic nucleon-nucleus scattering within the spectator expansion. Physical Review C, 1995, 52, 1992-2003.	1.1	31
70	Application of multiple scattering theory to lower-energy elastic nucleon-nucleus scattering. Physical Review C, 1995, 51, 1418-1424.	1.1	23
71	Isospin effects in elastic proton-nucleus scattering. Physical Review C, 1993, 47, 2242-2249.	1.1	16
72	Microscopic formulation of medium contributions to the first-order optical potential. Physical Review C, 1993, 48, 2956-2966.	1.1	29

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73	Momentum-space treatment of Coulomb distortions in a multiple-scattering expansion. <i>Physical Review C</i> , 1991, 44, 1569-1580.	1.1	36
74	Nucleon-nucleon interaction at intermediate energies and related nuclear processes. <i>Nuclear Physics A</i> , 1990, 508, 197-207.	0.6	0
75	Full-folding optical potentials in elastic proton-nucleus scattering. <i>Physical Review C</i> , 1990, 41, 814-827.	1.1	82
76	Extension of the Bonn meson exchange NN potential above pion production threshold: Role of the delta isobar. <i>Physical Review C</i> , 1988, 38, 1828-1842.	1.1	38
77	Extension of the Bonn meson exchange NN potential above pion production threshold: Nucleon renormalization and unitarity. <i>Physical Review C</i> , 1988, 37, 1647-1655.	1.1	33
78	The bonn meson-exchange model for the nucleon-nucleon interaction. <i>Physics Reports</i> , 1987, 149, 1-89.	10.3	2,228