

# Ian Joseph Thompson

## List of Publications by Year in descending order

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234  
papers

12,290  
citations

50276

46  
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26613

107  
g-index

245  
all docs

245  
docs citations

245  
times ranked

4429  
citing authors

#	ARTICLE	IF	CITATIONS
1	ENDF/B-VII.1 Nuclear Data for Science and Technology: Cross Sections, Covariances, Fission Product Yields and Decay Data. Nuclear Data Sheets, 2011, 112, 2887-2996.	2.2	2,100
2	Coupled reaction channels calculations in nuclear physics. Computer Physics Reports, 1988, 7, 167-212.	2.2	1,444
3	ENDF/B-VIII.0: The 8 th Major Release of the Nuclear Reaction Data Library with CIELO-project Cross Sections, New Standards and Thermal Scattering Data. Nuclear Data Sheets, 2018, 148, 1-142.	2.2	1,324
4	Bound state properties of Borromean halo nuclei: $^6\text{He}$ and $^{11}\text{Li}$ . Physics Reports, 1993, 231, 151-199.	25.6	916
5	Radii of halo nuclei from cross section measurements. Physical Review C, 1996, 54, 1843-1852.	2.9	200
6	Effect of continuum couplings in fusion of halo $^{11}\text{Be}$ on $^{208}\text{Pb}$ around the Coulomb barrier. Physical Review C, 2002, 65, .	2.9	200
7	Compound-nuclear reaction cross sections from surrogate measurements. Reviews of Modern Physics, 2012, 84, 353-397.	45.6	196
8	Coupled-channels analysis of the $^{16}\text{O} + ^{208}\text{Pb}$ fusion barrier distribution. Physical Review C, 1999, 60, .	2.9	193
9	Three-body continuum structure and response functions of halo nuclei (I): $^6\text{He}$ . Nuclear Physics A, 1998, 632, 383-416.	1.5	173
10	Calculations of three-body observables in $^8\text{B}$ breakup. Physical Review C, 2001, 63, .	2.9	165
11	How does breakup influence the total fusion of $^6\text{Li}$ , $^7\text{Li}$ at the Coulomb barrier?. Physical Review C, 2003, 68, .	2.9	160
12	Effects of $^{10}\text{Li}$ virtual states on the structure of $^{11}\text{Li}$ . Physical Review C, 1994, 49, 1904-1907.	2.9	149
13	The threshold anomaly in $^{16}\text{O} + ^{208}\text{Pb}$ scattering. Nuclear Physics A, 1989, 505, 84-102.	1.5	147
14	Theory of Two-Proton Radioactivity with Application to $^{19}\text{Mg}$ and $^{48}\text{Ni}$ . Physical Review Letters, 2000, 85, 22-25.	7.8	135
15	Core excitation in one neutron halo systems. Nuclear Physics A, 1996, 596, 171-186.	1.5	124
16	Measurement of the Two-Halo Neutron Transfer Reaction $^6\text{Li} + ^{208}\text{Pb} \rightarrow ^5\text{Li} + n + ^{208}\text{Pb}$		

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19	Multistep effects in sub-Coulomb breakup. <i>Physical Review C</i> , 1999, 59, 2652-2659.	2.9	107
20	Exclusive breakup of ${}^6\text{Li}$ by ${}^{208}\text{Pb}$ at Coulomb barrier energies. <i>Physical Review C</i> , 2003, 67, .	2.9	107
21	Two-proton radioactivity and three-body decay: General problems and theoretical approach. <i>Physical Review C</i> , 2001, 64, .	2.9	104
22	Four-body continuum-discretized coupled-channels calculations using a transformed harmonic oscillator basis. <i>Physical Review C</i> , 2008, 77, .	2.9	103
23	Coulomb and Bessel functions of complex arguments and order. <i>Journal of Computational Physics</i> , 1986, 64, 490-509.	3.8	97
24	Core excitation in three-body systems: Application to ${}^{12}\text{Be}$ . <i>Nuclear Physics A</i> , 1996, 609, 43-73.	1.5	95
25	Heavy-ion fusion: Channel-coupling effects, the barrier penetration model, and the threshold anomaly for heavy-ion potentials. <i>Annals of Physics</i> , 1987, 178, 110-143.	2.8	87
26	FaCE: a tool for three body Faddeev calculations with core excitation. <i>Computer Physics Communications</i> , 2004, 161, 87-107.	7.5	85
27	Electromagnetic dissociation of ${}^8\text{B}$ and the rate of the ${}^7\text{Be}(p, \hat{p}){}^8\text{B}$ reaction in the Sun. <i>Physical Review C</i> , 2001, 63, .	2.9	82
28	Establishing a theory for deuteron-induced surrogate reactions. <i>Physical Review C</i> , 2015, 92, .	2.9	77
29	Unusual near-threshold potential behavior for the weakly bound nucleus ${}^9\text{Be}$ in elastic scattering from ${}^{209}\text{Bi}$ . <i>Physical Review C</i> , 2000, 61, .	2.9	75
30	Two-Proton Widths of ${}^{12}\text{O}$ , ${}^{16}\text{N}$ , and Three-Body Mechanism of Thomas-Ehrman Shift. <i>Physical Review Letters</i> , 2002, 88, 042502.	7.8	74
31	CIELO Collaboration Summary Results: International Evaluations of Neutron Reactions on Uranium, Plutonium, Iron, Oxygen and Hydrogen. <i>Nuclear Data Sheets</i> , 2018, 148, 189-213.	2.2	73
32	Extended continuum discretized coupled channels method: Core excitation in the breakup of exotic nuclei. <i>Physical Review C</i> , 2006, 74, .	2.9	72
33	Four-body continuum-discretized coupled-channels calculations. <i>Physical Review C</i> , 2009, 80, .	2.9	72
34	Existence of proton halos near the drip line. <i>Physical Review C</i> , 1995, 52, 3505-3508.	2.9	66
35	New modes of halo excitation in the ${}^6\text{He}$ nucleus. <i>Physical Review C</i> , 1997, 55, R577-R581.	2.9	59
36	Structure and reactions of the ${}^{12}\text{Be}$ , ${}^{14}\text{Be}$ nuclei. <i>Physical Review C</i> , 1996, 53, 708-714.	2.9	55

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37	Study of $^{14}\text{Be}$ with core excitation. Nuclear Physics A, 2004, 733, 53-66.	1.5	54
38	Suppression of the centrifugal barrier effects in the off-energy-shell neutron $^{17}\text{O} + ^{17}\text{O} \rightarrow ^{17}\text{O} + ^{17}\text{O} + \dots$ interaction. Physical Review C, 2013, 87, .	2.9	54
39	Halo excitation of $^6\text{He}$ in inelastic and charge-exchange reactions. Physical Review C, 1997, 56, 1483-1499.	2.9	52
40	Strong reaction channels at barrier energies in the system $^6\text{Li} + ^{208}\text{Pb}$ . European Physical Journal A, 2001, 10, 249-253.	2.5	52
41	Computational nuclear quantum many-body problem: The UNEDF project. Computer Physics Communications, 2013, 184, 2235-2250.	7.5	52
42	Scaling and interference in the dissociation of halo nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 640, 91-95.	4.1	51
43	Evidence of Soft Dipole Resonance in $^{11}\text{Li} + ^{11}\text{Li} \rightarrow ^{11}\text{Li} + ^{11}\text{Li} + \dots$ with breakup Character. Physical Review Letters, 2015, 114, 102502.	7.8	51
44	Evaluation of an eikonal model for $^{11}\text{Li}$ -nucleus elastic scattering. Nuclear Physics A, 1995, 581, 331-355.	1.5	46
45	Nuclear interference effects in $^8\text{B}$ -Coulomb breakup. Physical Review C, 1998, 57, R2818-R2820.	2.9	46
46	Measurement of $^{13}\text{Be}$ -emission branching ratios for $\text{Gd}$ 	2.9	46
47	Three-body continuum discretization in a basis of transformed harmonic oscillator states. Physical Review C, 2005, 72, .	2.9	45
48	Two-neutron capture reactions in supernovae neutrino bubbles. Physical Review C, 1995, 52, 2231-2235.	2.9	43
49	Real Dispositions in the Physical World. British Journal for the Philosophy of Science, 1988, 39, 67-79.	2.3	39
50	Few-body aspects of Borromean halo nuclei. Physics Reports, 1996, 264, 27-37.	25.6	39
51	Astrophysical reaction rate for $^9\text{Be}$ formation within a three-body approach. Physical Review C, 2014, 90, .	2.9	39
52	White paper: from bound states to the continuum. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 123001.	3.6	38
53	The threshold anomaly in the systems. Nuclear Physics A, 1995, 582, 314-334.	1.5	37
54	Surrogate measurement of the $\text{Pu}$ ( $\text{Tj ETQq0 0 0 rgBT / 0verlock 10$ )		

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55	Elastic scattering of 89 MeV 7Li by 40Ca and 48Ca. Nuclear Physics A, 1982, 385, 525-536.	1.5	36
56	Investigation of He6 cluster structures. Physical Review C, 2005, 71, .	2.9	36
57	Multistep effects in reactions of 17O with 208Pb near the coulomb barrier. Nuclear Physics A, 1987, 463, 710-730.	1.5	35
58	Quasielastic scattering of Li11 using realistic three-body wave functions. Physical Review C, 1993, 47, R1364-R1368.	2.9	35
59	Absolute and relative surrogate measurements of the $^{11}\text{Li} + ^{12}\text{C} \rightarrow ^{13}\text{C} + n + n$ reaction. Physical Review C, 2005, 71, 054607.	2.9	34
60	Investigation of the triple- $^6\text{Li} + ^{12}\text{C} \rightarrow ^{13}\text{C} + n + n$ reaction in a full three-body approach. Physical Review C, 2013, 87, .	2.9	34
61	$^{15}\text{C}$ Charge Symmetry and the $^{14}\text{N}(n, ^{13}\text{C})^{15}\text{N}$ Reaction Puzzle. Physical Review Letters, 2006, 96, 162501.	7.8	33
62	Higher-order and E2 effects in medium energy $^8\text{B}$ breakup. Physical Review C, 2002, 65, .	2.9	32
63	Three-body correlations in electromagnetic dissociation of Borromean nuclei: The $^6\text{He}$ case. Nuclear Physics A, 2005, 759, 23-42.	1.5	32
64	Modified bessel functions of real order and complex argument, to selected accuracy. Computer Physics Communications, 1987, 47, 245-257.	7.5	31
65	Coulomb breakup of $^{11}\text{Be}$ and $^{19}\text{C}$ . Physical Review C, 1998, 58, 1042-1051.	2.9	31
66	Low-Temperature Triple-Alpha Rate in a Full Three-Body Nuclear Model. Physical Review Letters, 2012, 109, 141101.	7.8	31
67	Elastic scattering and breakup of $^{17}\text{F}$ at 10 MeV/nucleon. Physical Review C, 2002, 65, .	2.9	29
68	Structure of the $^{11}\text{Li}$ continuum from breakup on proton target. Physical Review C, 2004, 70, .	2.9	29
69	Core transitions in the breakup of exotic nuclei. Physical Review C, 2006, 73, .	2.9	29
70	Core excitation in $^{12}\text{Be}$ . Nuclear Physics A, 2002, 703, 593-602.	1.5	28
71	Modelling Effects of Halo Breakup on Fusion. Progress of Theoretical Physics Supplement, 2004, 154, 69-76.	0.1	28
72	Coulomb and nuclear breakup of $^8\text{B}$ . Physical Review C, 1999, 59, 2645-2651.	2.9	27

#	ARTICLE	IF	CITATIONS
73	Measurements of the $T$ neutron spectrum at low energies from the $^7\text{Li}(n,\alpha)^4\text{He}$ reaction. <i>Physical Review Letters</i> , 1993, 71, 2702-2705.	7.8	27
74	Investigation of the role of $^{10}\text{Li}$ resonances in the halo structure of $^{11}\text{Li}$ through the $^{11}\text{Li}(p,d)^{10}\text{Li}$ transfer reaction. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 755, 481-485.	4.1	27
75	One-particle densities of $^{11}\text{Li}$ in different three-body approaches. <i>Nuclear Physics A</i> , 1993, 552, 353-362.	1.5	25
76	Coupled-Channel Calculation of Nonelastic Cross Sections Using a Density-Functional Structure Model. <i>Physical Review Letters</i> , 2010, 105, 202502.	7.8	25
77	Excitation modes of $^{11}\text{Li}$ at $E_x \approx 1.3\text{ MeV}$ from proton collisions. <i>Physical Review C</i> , 2002, 66, .	2.9	24
78	Spectroscopic factor of the $^7\text{He}$ ground state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007, 645, 128-132.	4.1	24
79	Target-state dependence of cross sections for reactions on statically deformed nuclei. <i>Physical Review C</i> , 2012, 85, .	2.9	24
80	Structure and continuum response of halo nuclei. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 1998, 24, 1505-1512.	3.6	23
81	Proton-induced reactions on $^6\text{He}$ at low energies. <i>Physical Review C</i> , 2000, 61, .	2.9	23
82	Three-body continuum spatial correlations in Borromean halo nuclei. <i>Physical Review C</i> , 2004, 69, .	2.9	23
83	Determination of the asymptotic normalization coefficients for $^{14}\text{C}$ . <i>Physical Review Letters</i> , 2003, 91, 242501.	2.9	23
84	Precision measurement of the electromagnetic dipole strengths in $^{11}\text{Be}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 732, 210-213.	4.1	23
85	Uncertainties in the ground state structure of $^8\text{B}$ and implications for the $S_{17}$ astrophysical S-factor. <i>Nuclear Physics A</i> , 1997, 615, 69-81.	1.5	22
86	$^8\text{B}$ breakup in elastic and transfer reactions. <i>Physical Review C</i> , 2002, 66, .	2.9	21
87	Study of the one-neutron transfer reactions induced by polarized $^7\text{Li}$ on $^{26}\text{Mg}$ and $^{120}\text{Sn}$ . <i>Nuclear Physics A</i> , 1988, 486, 152-178.	1.5	20
88	Effects of the in-medium NN interaction on total reaction and neutron removal cross sections. <i>Physical Review C</i> , 2002, 65, .	2.9	20
89	Time-independent mean field description of collisions. <i>Annals of Physics</i> , 1984, 152, 475-489.	2.8	19
90	Three-body decays of light nuclei: $^6\text{Be}$ , $^8\text{Li}$ , $^9\text{Be}$ , $^{12}\text{O}$ , $^{16}\text{Ne}$ , and $^{17}\text{Ne}$ . <i>European Physical Journal A</i> , 2002, 15, 125-129.	2.5	19

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91	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
92	Separable representation of phenomenological optical potentials of Woods-Saxon type. <i>Physical Review C</i> , 2013, 88, .	2.9	19
93	Scattering and break-up of deuterons on $\hat{1}\pm$ -particles in a realistic three-body model. <i>Nuclear Physics A</i> , 1983, 405, 126-140.	1.5	18
94	Fingerprints of a possible low-lying resonance in $11\text{Li}$ . <i>Journal of Physics G: Nuclear and Particle Physics</i> , 1994, 20, 201-213.	3.6	18
95	Quasielastic scattering of $\text{Li9onC12}$ . <i>Physical Review C</i> , 1996, 54, 1262-1266.	2.9	18
96	Coulomb breakup of two-neutron halo nuclei. <i>Physical Review C</i> , 1998, 58, 1337-1340.	2.9	18
97	Reactions of exotic nuclei. <i>Nuclear Physics A</i> , 2001, 693, 424-447.	1.5	18
98	Three-body model for the two-neutron emission of $\langle\text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"}\rangle\langle\text{mml:mmultiscripts}\rangle\langle\text{mml:mi}\rangle\text{Be}\langle\text{mml:mi}\rangle\langle\text{mml:mprescripts}\rangle\langle\text{mml:none}\rangle\langle\text{mml:mn}\rangle 16\langle\text{mml:mn}\rangle\langle\text{mml:mmultiscripts}\rangle\langle\text{mml:math}\rangle$ . <i>Physical Review C</i> , 2017, 95, .	2.9	17
99	Structure signatures in proton scattering from $\text{Li9},11$ . <i>Physical Review C</i> , 1996, 54, 1867-1876.	2.9	16
100	Uncertainties in extracting $\text{S17}$ from transfer reactions. <i>Physical Review C</i> , 1999, 59, 2865-2872.	2.9	16
101	Verification of R-matrix calculations for charged-particle reactions in the resolved resonance region for the $7\text{Be}$ system. <i>European Physical Journal A</i> , 2019, 55, 1.	2.5	16
102	Comment on $\hat{\sim}\hat{\sim}$ Simultaneous analyses of elastic scattering and fusion cross sections for the $\text{S32}+58,64\text{Ni}$ systems at energies near the Coulomb barrier $\hat{\sim}\hat{\sim}$ . <i>Physical Review C</i> , 1990, 41, 1869-1872.	2.9	15
103	Analyzing powers in $\text{He4}(6\text{Li}\hat{1}^+, \text{Li6})4\text{He}$ . <i>Physical Review C</i> , 1996, 53, 2862-2869.	2.9	15
104	Toward a microscopic reaction description based on energy-density-functional structure models. <i>Physical Review C</i> , 2011, 84, .	2.9	15
105	$\langle\text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"}\rangle\langle\text{mml:mmultiscripts}\rangle\langle\text{mml:mi}\rangle\text{C}\langle\text{mml:mi}\rangle\langle\text{mml:mprescripts}\rangle\langle\text{mml:none}\rangle\langle\text{mml:mn}\rangle 13\langle\text{mml:mn}\rangle\langle\text{mml:mmultiscripts}\rangle\langle\text{mml:mrow}\rangle\langle\text{mml:mo}\rangle\langle\text{mml:mi}\rangle\hat{1}\pm\langle\text{mml:mi}\rangle\langle\text{mml:mo}\rangle\langle\text{mml:mi}\rangle\langle\text{mml:mprescripts}\rangle\langle\text{mml:none}\rangle\langle\text{mml:mn}\rangle 16\langle\text{mml:mn}\rangle\langle\text{mml:mmultiscripts}\rangle\langle\text{mml:mrow}\rangle\langle\text{mml:mspace width="1pt"}\rangle\langle\text{mml:mi}\rangle\text{S}\langle\text{mml:mi}\rangle$	1.5	14
106	Halo physics. <i>Nuclear Physics A</i> , 2002, 701, 7-13.	1.5	14
107	Breakup and core coupling in $14\text{N}(7\text{Be}, 8\text{B})13\text{C}$ . <i>Physical Review C</i> , 2003, 67, .	2.9	14
108	Three-body continuum energy correlations in Borromean halo nuclei. II. <i>Physical Review C</i> , 2006, 73, .	2.9	14

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109	Spin differences in the $^{236}\text{Pu}$ reaction. <i>Physical Review C</i> , 2002, 65, .	2.9	14
110	Compound nucleus induced by $^{90}\text{Zr}$ . <i>Physical Review C</i> , 2002, 65, .	2.9	14
111	Proton inelastic scattering reveals deformation in $^8\text{He}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 822, 136710.	4.1	14
112	COULN, a program for evaluating negative energy coulomb functions. <i>Computer Physics Communications</i> , 1984, 33, 413-419.	7.5	13
113	CRCWFN: coupled real Coulomb wavefunctions. <i>Computer Physics Communications</i> , 1994, 79, 143-155.	7.5	13
114	Two-proton events in the $^{17}\text{F}(p,2p)^{16}\text{O}$ reaction. <i>Physical Review C</i> , 2002, 65, .	2.9	13
115	Few-body multiple scattering calculations for $^6\text{He}$ on protons. <i>Physical Review C</i> , 2007, 75, .	2.9	13
116	Transfer induced by core excitation within an extended distorted-wave Born approximation method. <i>Physical Review C</i> , 2015, 92, .	2.9	13
117	The threshold anomaly in inelastic scattering. <i>Nuclear Physics A</i> , 1990, 517, 193-204.	1.5	12
118	The $^{40}\text{Ca}(t,p)^{42}\text{Ca}$ reaction at triton energies near 10 MeV per nucleon. <i>Physical Review C</i> , 1997, 56, 1960-1971.	2.9	12
119	Spectroscopic factors and asymptotic normalization coefficients in mirror three-body systems. <i>Physical Review C</i> , 2008, 78, .	2.9	12
120	Threshold effects in the $^{27}\text{P}$ reaction. <i>Physical Review C</i> , 2002, 65, .	2.9	12
121	Inelastic scattering of $^9\text{Li}$ and excitation mechanism of its first excited state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 721, 224-228.	4.1	12
122	Separable representation of proton-nucleus optical potentials. <i>Physical Review C</i> , 2014, 90, .	2.9	12
123	Observation of excited states in $^{20}\text{Mg}$ sheds light on nuclear forces and shell evolution. <i>Physical Review C</i> , 2019, 99, .	2.9	12
124	Deformation Effects in $^6\text{Li}$ . <i>Physical Review Letters</i> , 1998, 81, 1187-1190.	7.8	11
125	Alpha particle production by molecular single-particle effect in reactions of $^9\text{Be}$ just above the Coulomb barrier. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002, 533, 265-270.	4.1	11
126	Breakup of $^9\text{Be}$ on $^{209}\text{Bi}$ above and near the Coulomb barrier as a molecular single-particle effect: Its influence on complete fusion and scattering. <i>Nuclear Physics A</i> , 2002, 703, 83-104.	1.5	11

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127	Few body impulse and fixed scatterer approximations for high energy scattering. Nuclear Physics A, 2006, 771, 26-49.	1.5	11
128	Evidence of projectile polarisation effects on the reaction $^{208}\text{Pb}(^{17}\text{O}, ^{16}\text{O})^{209}\text{Pb}$ . Nuclear Physics A, 1988, 487, 141-161.	1.5	10
129	Dynamical core deformation effects on single-nucleon knockout reactions at fragmentation beam energies. Physical Review C, 2005, 71, .	2.9	10
130	Measurement of the entry-spin distribution imparted to the high excitation continuum region of gadolinium nuclei via (p,d) and (p,t) reactions. Physical Review C, 2012, 85, .	2.9	10
131	First determination of the $^8\text{Li}$ valence neutron asymptotic normalization coefficient using the $^7\text{Li}(^8\text{Li}, ^7\text{Li})^8\text{Li}$ reaction. Physical Review C, 2013, 88, .	2.9	10
132	Coulomb problem in momentum space without screening. Physical Review C, 2014, 90, .	2.9	10
133	Observation of a breakup-induced $\hat{L}\pm$ -transfer process for some bound states of $^{16}\text{O}$ populated by the $^{12}\text{C}(^6\text{Li}, d)^{16}\text{O}^*$ reaction. Physical Review C, 2014, 89, .	2.9	10
134	A study of coupled-reaction channel effects in the $^{36}\text{S} + ^{37}\text{Cl}$ system, hybridization between single particle orbits. Zeitschrift für Physik A, 1996, 353, 373-385.	0.9	9
135	Determination of the asymptotic D- to S-state ratio for $^6\text{Li}(\hat{L}\pm, d)$ transfer reactions. Physical Review C, 1999, 60, .	2.9	9
136	Light ion vertex form factors using realistic overlap functions. Physical Review C, 1999, 59, 2670-2675.	2.9	9
137	Effects on $^{11}\text{Li}$ elastic scattering of core recoil and virtual $^2\text{H}$ halo breakup. Physical Review C, 2001, 63, .	2.9	9
138	Statistical $\hat{L}\pm$ rays in the analysis of surrogate nuclear reactions. Physical Review C, 2012, 85, .	2.9	8
139	Evaluations of Fission Chain Yields for $^{239}\text{Pu}$ from Fission-Spectrum Neutrons. Nuclear Science and Engineering, 2012, 171, 85-135.	1.1	8
140	Non-orthogonality overlaps. I. Deuteron transfer reactions. Journal of Physics G: Nuclear Physics, 1982, 8, 937-947.	0.8	7
141	Optical model approach for heavy ion fusion. Physical Review C, 1996, 54, 3286-3289.	2.9	7
142	Borromean Halo Nuclei. Physica Scripta, 2000, T88, 209.	2.5	7
143	Multistep Coulomb and nuclear breakup of one-nucleon halo nuclei. Nuclear Physics A, 2001, 690, 294-297.	1.5	7
144	Enhanced neutron pair transfer and collective excitations in the system $^{206}\text{Pb} + ^{118}\text{Sn}$ at barrier energies. European Physical Journal A, 2003, 16, 509-525.	2.5	7



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163	Coulomb wave functions in momentum space. Computer Physics Communications, 2015, 187, 195-203.	7.5	5
164	The CIELO collaboration: Progress in international evaluations of neutron reactions on Oxygen, Iron, Uranium and Plutonium. EPJ Web of Conferences, 2017, 146, 02001.	0.3	5
165	Two- and Three-body Properties of Halo Nuclei. , 1999, , 976-993.		4
166	Direct reaction spectroscopy of exotic nuclei. Nuclear Physics A, 2004, 746, 166-172.	1.5	4
167	$^6\text{Li}$ breakup from $^{208}\text{Pb}$ target at Coulomb barrier energies: doorway to reaction mechanism induced by loosely bound/halo nuclei. Nuclear Physics A, 2004, 746, 497-500.	1.5	4
168	Four-body multiple-scattering expansion of the total transition amplitude $\hat{M}^{\text{MST}}$ . Physics of Atomic Nuclei, 2006, 69, 1254-1260.	0.4	4
169	Near-barrier Fusion Induced by Stable Weakly Bound and Exotic Halo Light Nuclei. AIP Conference Proceedings, 2006, , .	0.4	4
170	Three-Body Spectrum of $^{18}\text{C}$ and its Relevance to r-Process Nucleosynthesis. Few-Body Systems, 2010, 47, 213-224.	1.5	4
171	Non-Orthogonality Effects in Quasi-Elastic Reactions. Physica Scripta, 1982, 25, 475-479.	2.5	3
172	Non-orthogonality overlaps. II. Antisymmetrised deuteron-nucleus reactions. Journal of Physics G: Nuclear Physics, 1982, 8, 1049-1058.	0.8	3
173	The fusion of $^{16}\text{O}$ with an aligned $^{165}\text{Ho}$ target. Journal of Physics G: Nuclear and Particle Physics, 1994, 20, 169-187.	3.6	3
174	Theoretical studies of light halo nuclei; Bound states and continuum. Nuclear Physics A, 1997, 616, 426-437.	1.5	3
175	Few-body cluster models for Borromean halo nuclei. Physics of Atomic Nuclei, 2001, 64, 1215-1222.	0.4	3
176	Computational challenges to the development of modern theories of nuclear reactions. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 094009.	3.6	3
177	Probing the structure of halo nuclei. Journal of Physics G: Nuclear and Particle Physics, 1997, 23, 1245-1249.	3.6	2
178	Reply to "Comment on "New modes of halo excitation in the $^6\text{He}$ nucleus" ". Physical Review C, 1999, 59, 556-557.	2.9	2
179	Eikonal and Coupled-Channels Reaction Methods Applied to Studies of Weakly Bound Nuclei. Progress of Theoretical Physics Supplement, 2002, 146, 338-347.	0.1	2
180	Coulomb breakup of $^8\text{B}$ and the flux of $^8\text{B}$ neutrinos from the Sun. European Physical Journal A, 2002, 15, 65-68.	2.5	2

#	ARTICLE	IF	CITATIONS
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