Ian Joseph Thompson

List of Publications by Year
in descending order

234	12,290	50276	26613
papers	citations	46 h-index	107 g-index

245	245	245	4429
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Proton inelastic scattering reveals deformation in 8He. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 822, 136710.	4.1	14
2	Sensitivity of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">C</mml:mi><mml:mprescripts /><mml:none /><mml:mn>13</mml:mn></mml:mmultiscripts><mml:mrow><mml:mo>(</mml:mo><mml:mi>Î±</mml:mi><mml:mo>,</mml:mo><mml:mi mathvariant="normal">O</mml:mi><mml:mprescripts /><mml:none /><mml:mn>16</mml:mn></mml:mmultiscripts></mml:mrow><mml:mspace width="4pt" /><mml:mi>S</m	2.9	15
3	White paper: from bound states to the continuum. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 123001.	3.6	38
4	Observation of excited states in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Mg</mml:mi><mml:mprescripts /><mml:none /><mml:mn>20</mml:mn></mml:mmultiscripts></mml:math> sheds light on nuclear forces and shell evolution. Physical Review C, 2019, 99, .	2.9	12
5	Verification of R-matrix calculations for charged-particle reactions in the resolved resonance region for the 7Be system. European Physical Journal A, 2019, 55, 1.	2.5	16
6	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
7	CIELO Collaboration Summary Results: International Evaluations of Neutron Reactions on Uranium, Plutonium, Iron, Oxygen and Hydrogen. Nuclear Data Sheets, 2018, 148, 189-213.	2.2	73
8	Experimental Evidence of a Variant Neutron Spectrum from the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>T</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>t</mml:mi><mml:mo>,</mml:mo><mml:mn>2</mml:mn><mml:mi>n</mml:mi><mml:mo) Tj ET	7.8	6
9	Energies in the Range of 16â€“50ÂkeV. Physical Review Letters, 2018, 121, 042501. Three-body model for the two-neutron emission of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Be</mml:mi><mml:mprescripts /><mml:none /><mml:mn>16</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2017, 95, .	2.9	17
10	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
11	Separable Forces for (d,p) Reactions in Momentum Space. EPJ Web of Conferences, 2016, 113, 08010.	0.3	0
12	Separable Potentials for (d,p) Reaction Calculations. Journal of Physics: Conference Series, 2016, 724, 012014.	0.4	0
13	Towards a Faddeev-AGS description of (d,p) reactions with heavy nuclei: Regularizing integrals with Coulomb functions.. EPJ Web of Conferences, 2016, 113, 03016.	0.3	0
14	Two neutron decay of16Be. EPJ Web of Conferences, 2016, 113, 06015.	0.3	0
15	Calculations of Compound Nucleus Spin-Parity Distributions Populated via the (p,t) Reaction in Support of Surrogate Neutron Capture Measurements. EPJ Web of Conferences, 2016, 122, 12002.	0.3	1
16	Exploring the spin states of90Zr populated by (p,pâ€™), (p,d), and (p,t) reactions. EPJ Web of Conferences, 2016, 122, 12003.	0.3	0
17	Publisher's Note: Astrophysical reaction rate for Be9 formation within a three-body approach [Phys. Rev. C 90 , 044304 (2014)]. Physical Review C, 2016, 94, .	2.9	0
18	Investigation of the role of 10Li resonances in the halo structure of 11Li through the Li11(p,d)Li10 transfer reaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 481-485.	4.1	27

#	Article	IF	Citations
19	Transfer induced by core excitation within an extended distorted-wave Born approximation method. Physical Review C, 2015, 92, .	2.9	13
20	Establishing a theory for deuteron-induced surrogate reactions. Physical Review C, 2015, 92, .	2.9	77
21	Spin differences in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Zr</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>90</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> compound nucleus induced by <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mo>(</mml:mo><mml:mi>p</mml:mi><mml:mo>,</mml:mo	2.9	14
22	87Y(n,Î³) and89,90Zr(n,Î³) cross sections from a surrogate reaction approach. EPJ Web of Conferences, 2015, 93, 02001.	0.3	6
23	Evidence of Soft Dipole Resonance in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Li</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>11</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>with Isoscalar Character. Physical Review Letters, 2015, 114, 192502.	7.8	51
24	Coulomb wave functions in momentum space. Computer Physics Communications, 2015, 187, 195-203.	7.5	5
25	Application of the Trojan Horse Method to study neutron induced reactions: the17O(n,Î±)14Creaction. EPJ Web of Conferences, 2014, 66, 07008.	0.3	0
26	Study of the 17O(n,Î±)14C reaction: Extension of the Trojan Horse Method to neutron induced reactions. , 2014, , .		0
27	Coulomb problem in momentum space without screening. Physical Review C, 2014, 90, .	2.9	10
28	Observation of a breakup-inducedÎ±-transfer process for some bound states ofO16populated by theC12(Li6,d)O16*reaction. Physical Review C, 2014, 89, .	2.9	10
29	Determination of the asymptotic normalization coefficients for<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">C</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>14</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>+<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>n</mml:mi><mml:mo>â†”</mml:mo><mml:mmultiscripts mathvariant="normal">C</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>15</mml:m	2.9	23
30	Separable representation of proton-nucleus optical potentials. Physical Review C, 2014, 90, .	2.9	12
31	Astrophysical reaction rate for<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Be</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>9</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>formation within a three-body approach. Physical Review C, 2014, 90, .	2.9	39
32	Reexamining surface-integral formulations for one-nucleon transfers to bound and resonance states. Physical Review C, 2014, 89, .	2.9	7
33	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
34	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Pu</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>236</mml:mn></mml:mrow></mml:mmultiscripts><mml:mo>(</mml:mo><mml:mi>n</mml:mi><mml:mo>,< , <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Pu</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>237 [illegible]. Physical Review C, 2014, 90, .	2.9	14
35	[illegible] <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">Be</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>11</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 732, 210-213.	4.1	23
36	Tâ€“T Neutron Spectrum from Inertial Confinement Implosions. Few-Body Systems, 2013, 54, 1599-1602.	1.5	0

#	Article	IF	Citations
37	Computational nuclear quantum many-body problem: The UNEDF project. Computer Physics Communications, 2013, 184, 2235-2250.	7.5	52
38	Investigation of the triple-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î±</mml:mi></mml:math>reaction in a full three-body approach. Physical Review C, 2013, 87, .	2.9	34
39	Inelastic scattering of 9Li and excitation mechanism of its first excited state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 721, 224-228.	4.1	12
40	First determination of the8Li valence neutron asymptotic normalization coefficient using the7Li(8Li,7Li)8Li reaction. Physical Review C, 2013, 88, .	2.9	10
41	Separable representation of phenomenological optical potentials of Woods-Saxon type. Physical Review C, 2013, 88, .	2.9	19
42	Suppression of the centrifugal barrier effects in the off-energy-shell neutron<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mo>+</mml:mo><mml:msup><mml:mrow /><mml:mn>17</mml:mn></mml:msup><mml:mi mathvariant="bold">O</mml:mi></mml:mrow></mml:math>interaction. Physical Review C, 2013, 87, .	2.9	54
43	Observation of breakup transfer process for the bound states of [sup 16]O populated from [sup 12]C([sup 6]Li,d) reaction at 20 MeV. , 2012, , .		1
44	Measurements of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="bold">T</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>t</mml:mi><mml:mo>,</mml:mo><mml:mn>2</mml:mn><mml:mi>n</mml:mi><mml:mo) Tj ET /><mml:none /><mml:mn>4</mml:mn></mml:mmultiscripts></mml:math>Neutron Spectrum at Low Reactant Energies from Inertial Confinement Implosions. Physical Review Letters, 2012, 109, 025003.	7.8	27
45	Target-state dependence of cross sections for reactions on statically deformed nuclei. Physical Review C, 2012, 85, .	2.9	24
46	StatisticalÎ³rays in the analysis of surrogate nuclear reactions. Physical Review C, 2012, 85, .	2.9	8
47	Low-Temperature Triple-Alpha Rate in a Full Three-Body Nuclear Model. Physical Review Letters, 2012, 109, 141101.	7.8	31
48	Compound-nuclear reaction cross sections from surrogate measurements. Reviews of Modern Physics, 2012, 84, 353-397.	45.6	196
49	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
50	Evaluations of Fission Chain Yields for²³⁹Pu from Fission-Spectrum Neutrons. Nuclear Science and Engineering, 2012, 171, 85-135.	1.1	8
51	UNEDF:Advanced Scientific Computing Collaboration Transforms the Low-Energy Nuclear Many-Body Problem. Journal of Physics: Conference Series, 2012, 402, 012033.	0.4	6
52	Exploring R-matrix ideas for the description of one-nucleon transfer reactions. Journal of Physics: Conference Series, 2012, 403, 012026.	0.4	1
53	Neutron-capture cross sections from indirect measurements. EPJ Web of Conferences, 2012, 21, 01001.	0.3	1
54	Reaction cross-section predictions for nucleon induced reactions. Journal of Physics: Conference Series, 2011, 312, 082033.	0.4	1

#	Article	IF	Citations
55	The Theory of Partial Fusion. Journal of Physics: Conference Series, 2011, 312, 082041.	0.4	5
56	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
57	Toward a microscopic reaction description based on energy-density-functional structure models. Physical Review C, 2011, 84, .	2.9	15
58	Surrogate measurement of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Pu</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>238</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>(<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10	2.9	37
59	Experimental Approaches to Studying the Fission Process Using the Surrogate Reaction Technique. Journal of the Korean Physical Society, 2011, 59, 1892-1895.	0.7	2
60	Overview of the 2009 Release of the Evaluated Nuclear Data Library (ENDL2009). Journal of the Korean Physical Society, 2011, 59, 1084-1087.	0.7	0
61	Four-body continuum-discretized coupled-channels calculations: Application to [sup 6]He+[sup 64]Zn at 13.6 MeV. AIP Conference Proceedings, 2010, , .	0.4	0
62	Three-Body Spectrum of 18C and its Relevance to r-Process Nucleosynthesis. Few-Body Systems, 2010, 47, 213-224.	1.5	4
63	Coupled-Channel Calculation of Nonelastic Cross Sections Using a Density-Functional Structure Model. Physical Review Letters, 2010, 105, 202502.	7.8	25
64	Measurement of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î³</mml:mi></mml:mrow></mml:math>-emission branching ratios for<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Gd</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>154</mml:mn><mml:mo>,</mml:mo><mml:mn>156</mml:mn><mml:mo>,</mml:mo><mml:mn>158</mml:	2.9	46
65	Four-body continuum-discretized coupled-channels calculations. Physical Review C, 2009, 80, .	2.9	72
66	R-matrix and dynamical model calculations of three-body resonance decay widths. Physical Review C, 2008, 78, .	2.9	7
67	Four-body continuum-discretized coupled-channels calculations using a transformed harmonic oscillator basis. Physical Review C, 2008, 77, .	2.9	103
68	Compound Nucleus Contributions to the Optical Potential. AIP Conference Proceedings, 2008, , .	0.4	0
69	Spectroscopic factors and asymptotic normalization coefficients in mirror three-body systems. Physical Review C, 2008, 78, .	2.9	12
70	Threshold effects in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mi /><mml:mrow><mml:mn>27</mml:mn></mml:mrow></mml:msup><mml:mi mathvariant="normal">P</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:msup><mml:mfrac><mml:mrow><mml:mn>3</mml:mn></mml:mrow><mml:mrow><mml:mn>2</mml:mn></m	2.9	12
71	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">H</mml:mi><mml:mprescripts /><mml:none /><mml:mn>1</mml:mn></mml:mmultiscripts><mml:mo		

#	Article	IF	Citations
73	Few-body multiple scattering calculations forHe6on protons. Physical Review C, 2007, 75, .	2.9	13
74	Three-body continuum energy correlations in Borromean halo nuclei. III. Short-range external fields. Physical Review C, 2007, 76, .	2.9	7
75	Consistent analysis of fusion data without adjustable parameters for a wide variety of heavy-ion systems. Physical Review C, 2007, 75, .	2.9	19
76	Publisher's Note: Absolute and relative surrogate measurements of theU236(n,f) cross section as a probe of angular momentum effects [Phys. Rev. C 76, 014606 (2007)]. Physical Review C, 2007, 76, .	2.9	2
77	Absolute and relative surrogate measurements of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">U</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>236</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>(<mml:math) Tj ETQq1 1 0.784314 rgBT /Ov	2.9	34
78	Continuum description with pseudostate wave functions. Physical Review C, 2007, 75, .	2.9	2
79	Spectroscopic factor of the 7He ground state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 645, 128-132.	4.1	24
80	Exploring the 6He continuum sea through proton inelastic collisions. European Physical Journal: Special Topics, 2007, 150, 13-14.	2.6	0
81	Continuum effects: Structure and reactions of 6He. European Physical Journal: Special Topics, 2007, 150, 51-52.	2.6	7
82	The effects of core excitation in the breakup of exotic nuclei. Nuclear Physics A, 2007, 788, 325-330.	1.5	1
83	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
84	Core transitions in the breakup of exotic nuclei. Physical Review C, 2006, 73, .	2.9	29
85	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
86	Few body impulse and fixed scatterer approximations for high energy scattering. Nuclear Physics A, 2006, 771, 26-49.	1.5	11
87	Four-body multiple-scattering expansion of the total transition amplitudeâ€”MST. Physics of Atomic Nuclei, 2006, 69, 1254-1260.	0.4	4
88	Probing 6He structure from proton inelastic collisions. AIP Conference Proceedings, 2006, , .	0.4	0
89	Near-barrier Fusion Induced by Stable Weakly Bound and Exotic Halo Light Nuclei. AIP Conference Proceedings, 2006, , .	0.4	4
90	C15â^'F15Charge Symmetry and theC14(n,Î³)C15Reaction Puzzle. Physical Review Letters, 2006, 96, 162501.	7.8	33

#	Article	IF	Citations
91	Three-body continuum energy correlations in Borromean halo nuclei. II. Physical Review C, 2006, 73, .	2.9	14
92	Excitation modes ofHe6from proton collisions. Physical Review C, 2006, 74, .	2.9	2
93	Extended continuum discretized coupled channels method: Core excitation in the breakup of exotic nuclei. Physical Review C, 2006, 74, .	2.9	72
94	Three-body correlations in electromagnetic dissociation of Borromean nuclei: The 6He case. Nuclear Physics A, 2005, 759, 23-42.	1.5	32
95	Study of the ground-state wave function of 6He via the 6He(p, t)Î± transfer reaction. European Physical Journal A, 2005, 25, 267-269.	2.5	2
96	Coulomb Breakup for Spectroscopy. AIP Conference Proceedings, 2005, , .	0.4	0
97	Dynamical core deformation effects on single-nucleon knockout reactions at fragmentation beam energies. Physical Review C, 2005, 71, .	2.9	10
98	Three-body continuum discretization in a basis of transformed harmonic oscillator states. Physical Review C, 2005, 72, .	2.9	45
99	Band mixing in29Si and29P. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, 309-319.	3.6	6
100	Investigation ofHe6cluster structures. Physical Review C, 2005, 71, .	2.9	36
101	6Li excitation above the breakup threshold in the 6Li+208Pb system at Coulomb barrier energies. AIP Conference Proceedings, 2004, , .	0.4	0
102	Resonant and direct components in theHe3(d,p)He4reaction at low energies. Physical Review C, 2004, 69, .	2.9	7
103	Structure of theLi11continuum from breakup on proton target. Physical Review C, 2004, 70, .	2.9	29
104	Three-body continuum spatial correlations in Borromean halo nuclei. Physical Review C, 2004, 69, .	2.9	23
105	Modelling Effects of Halo Breakup on Fusion. Progress of Theoretical Physics Supplement, 2004, 154, 69-76.	0.1	28
106	Fusion of Weakly Bound Projectiles around the Coulomb. Acta Physica Hungarica A Heavy Ion Physics, 2004, 19, 7-8.	0.4	2
107	Erratum to â€œCOULCC: A continued-fraction algorithm for Coulomb functions of complex order with complex argumentsâ€• Computer Physics Communications, 2004, 159, 241-242.	7.5	1
108	Study of 14Be with core excitation. Nuclear Physics A, 2004, 733, 53-66.	1.5	54

#	Article	IF	Citations
109	Direct reaction spectroscopy of exotic nuclei. Nuclear Physics A, 2004, 746, 166-172.	1.5	4
110	What are the advantages of a three body model with core excitation for 21Ne and 21Na?. Nuclear Physics A, 2004, 746, 61-65.	1.5	1
111	6Li breakup from 208Pb 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
112	Erratum to â€œModified Bessel functions Iî½(z) and Kî½(z) of real order and complex argumentâ€• Computer Physics Communications, 2004, 159, 243-244.	7.5	0
113	FaCE: a tool for three body Faddeev calculations with core excitation. Computer Physics Communications, 2004, 161, 87-107.	7.5	85
114	Exotic Matter at the Low Density Limit: Exploring Bound and Continuum Structures of Borromean Halo Nuclei. , 2004, , 463-477.		0
115	Enhanced neutron pair transfer and collective excitations in the system 206Pb + 118Sn at barrier energies. European Physical Journal A, 2003, 16, 509-525.	2.5	7
116	Excitation of 6 Li above the breakup threshold in the 6 Li + 208 Pb system around the Coulomb barrier. European Physical Journal A, 2003, 18, 583-587.	2.5	7
117	Continuum effects in reactions involving weakly bound nuclei. Nuclear Physics A, 2003, 722, C455-C459.	1.5	2
118	How does breakup influence the total fusion ofLi6,7at the Coulomb barrier?. Physical Review C, 2003, 68, .	2.9	160
119	Nuclear theory at the university of surrey. Nuclear Physics News, 2003, 13, 4-11.	0.4	0
120	Breakup and core coupling in14N(7Be,8B)13C. Physical Review C, 2003, 67, .	2.9	14
121	Exclusive breakup of6Liby208Pbat Coulomb barrier energies. Physical Review C, 2003, 67, .	2.9	107
122	Three-body decays of light nuclei: 6Be, 8Li, 9Be, 12O, 16Ne, and 17Ne. , 2003, , 215-219.		1
123	Normalisation of the two-nucleon form factor for the (6He,4He) transfer reactions. , 2003, , 172-172.		0
124	Two-proton events in the 17F(p, 2p)16O reaction. , 2003, , 222-222.		0
125	Two-Proton Widths ofO12,N16e, and Three-Body Mechanism of Thomas-Ehrman Shift. Physical Review Letters, 2002, 88, 042502.	7.8	74
126	Higher-order andE2effects in medium energy8Bbreakup. Physical Review C, 2002, 65, .	2.9	32

#	Article	IF	Citations
127	Effects of the in-mediumNNinteraction on total reaction and neutron removal cross sections. Physical Review C, 2002, 65, .	2.9	20
128	8Bbreakup in elastic and transfer reactions. Physical Review C, 2002, 66, .	2.9	21
129	Two-proton events in the17F(p,2p)16Oreaction. Physical Review C, 2002, 65, .	2.9	13
130	Excitation modes of11LiatExâˆ¼1.3MeVfrom proton collisions. Physical Review C, 2002, 66, .	2.9	24
131	Elastic scattering and breakup of17Fat 10 MeV/nucleon. Physical Review C, 2002, 65, .	2.9	29
132	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
133	Effect of continuum couplings in fusion of halo11Beon208Pbaround the Coulomb barrier. Physical Review C, 2002, 65, .	2.9	200
134	Cluster models for dripline halo nuclei: Achievements and puzzles. AIP Conference Proceedings, 2002, , .	0.4	0
135	Alpha particle production by molecular single-particle effect in reactions of 9Be just above the Coulomb barrier. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 533, 265-270.	4.1	11
136	Breakup of 9Be on 209Bi above and near the Coulomb barrier as a molecular single-particle effect: Its influence on complete fusion and scattering. Nuclear Physics A, 2002, 703, 83-104.	1.5	11
137	Halo physics. Nuclear Physics A, 2002, 701, 7-13.	1.5	14
138	Core excitation in 12Be. Nuclear Physics A, 2002, 703, 593-602.	1.5	28
139	Coulomb breakup of 8B and the flux of 8B neutrinos from the Sun. European Physical Journal A, 2002, 15, 65-68.	2.5	2
140	Three-body decays of light nuclei: 6Be, 8Li, 9Be, 12O, 16Ne, and 17Ne. European Physical Journal A, 2002, 15, 125-129.	2.5	19
141	Effects onpâ^'11Lielastic scattering of core recoil and virtual2â^'nhalo breakup. Physical Review C, 2001, 63, .	2.9	9
142	Two-proton radioactivity and three-body decay: General problems and theoretical approach. Physical Review C, 2001, 64, .	2.9	104
143	Calculations of three-body observables in8Bbreakup. Physical Review C, 2001, 63, .	2.9	165
144	Strong reaction channels at barrier energies in the system 6Li + 208Pb. European Physical Journal A, 2001, 10, 249-253.	2.5	52

#	Article	IF	Citations
145	Reactions of exotic nuclei. Nuclear Physics A, 2001, 693, 424-447.	1.5	18
146	Cluster structures in A=6 nuclei. Nuclear Physics A, 2001, 689, 365-368.	1.5	1
147	Multistep Coulomb and nuclear breakup of one-nucleon halo nuclei. Nuclear Physics A, 2001, 690, 294-297.	1.5	7
148	Extracting reliable knowledge of halo characteristics. Nuclear Physics A, 2001, 690, 302-305.	1.5	0
149	Electromagnetic dissociation of8Band the rate of the7Be(p,Î³)8Breaction in the Sun. Physical Review C, 2001, 63, .	2.9	82
150	Few-body cluster models for Borromean halo nuclei. Physics of Atomic Nuclei, 2001, 64, 1215-1222.	0.4	3
151	Three-Body Resonances in Borromean Halo Nuclei. Few-Body Systems, 2001, , 122-131.	0.2	1
152	Borromean Halo Nuclei. Physica Scripta, 2000, T88, 209.	2.5	7
153	Pauli blocking in three-body models of halo nuclei. Physical Review C, 2000, 61, .	2.9	117
154	Unusual near-threshold potential behavior for the weakly bound nucleus9Bein elastic scattering from209Bi. Physical Review C, 2000, 61, .	2.9	75
155	Theory of Two-Proton Radioactivity with Application to19Mgand48Ni. Physical Review Letters, 2000, 85, 22-25.	7.8	135
156	Proton-induced reactions on6Heat low energies. Physical Review C, 2000, 61, .	2.9	23
157	The [sup 7]Li(p,Î³)[sup 8]Be reaction at astrophysical energies. , 1999, , .		0
158	Studies of the D state of [sup 6]Li using the FSU polarized [sup 6]Li Beam. , 1999, , .		0
159	Two- and Three-body Properties of Halo Nuclei. , 1999, , 976-993.		4
160	Coulomb break-up of halo nuclei within an adiabatic model. Journal of Physics G: Nuclear and Particle Physics, 1999, 25, 851-853.	3.6	1
161	Long-range interactions and artificial poles. Journal of Physics G: Nuclear and Particle Physics, 1999, 25, 2189-2195.	3.6	0
162	Multistep effects in sub-Coulomb breakup. Physical Review C, 1999, 59, 2652-2659.	2.9	107

#	Article	IF	Citations
163	Determination of the asymptoticD- toS-state ratio for6Livia(6Liâ†',d)transfer reactions. Physical Review C, 1999, 60, .	2.9	9
164	Uncertainties in extractingS17from transfer reactions. Physical Review C, 1999, 59, 2865-2872.	2.9	16
165	Light ion vertex form factors using realistic overlap functions. Physical Review C, 1999, 59, 2670-2675.	2.9	9
166	Coulomb and nuclear breakup of8B. Physical Review C, 1999, 59, 2645-2651.	2.9	27
167	Reply to â€œComment on â€˜New modes of halo excitation in the6Henucleusâ€™ â€. Physical Review C, 1999, 59, 556-557.	2.9	2
168	Breakup of 8B and the 7Be(p, Î³)8B reaction. Pramana - Journal of Physics, 1999, 53, 595-606.	1.8	1
169	Oxygen isotopes in the hyperspherical functions method. Journal of Physics G: Nuclear and Particle Physics, 1999, 25, 933-935.	3.6	1
170	Coupled-channels analysis of the16O+208Pbfusion barrier distribution. Physical Review C, 1999, 60, .	2.9	193
171	Three-body continuum structure and response functions of halo nuclei (I): 6He. Nuclear Physics A, 1998, 632, 383-416.	1.5	173
172	Structure and continuum response of halo nuclei. Journal of Physics G: Nuclear and Particle Physics, 1998, 24, 1505-1512.	3.6	23
173	Structure effects on Coulomb dissociation of. Journal of Physics G: Nuclear and Particle Physics, 1998, 24, 1575-1582.	3.6	6
174	Nuclear interference effects in8Bsub-Coulomb breakup. Physical Review C, 1998, 57, R2818-R2820.	2.9	46
175	Coulomb breakup of two-neutron halo nuclei. Physical Review C, 1998, 58, 1337-1340.	2.9	18
176	Deformation Effects inL6i. Physical Review Letters, 1998, 81, 1187-1190.	7.8	11
177	Coulomb breakup of11Beand19C. Physical Review C, 1998, 58, 1042-1051.	2.9	31
178	Determining the astrophysical. , 1998, , .		0
179	Probing halo structure with breakup reactions. , 1998, , .		0
180	Probing the structure of halo nuclei. Journal of Physics G: Nuclear and Particle Physics, 1997, 23, 1245-1249.	3.6	2

#	Article	IF	Citations
181	The40Ca(t,p)42Careaction at triton energies near 10 MeV per nucleon. Physical Review C, 1997, 56, 1960-1971.	2.9	12
182	Halo excitation of6He in inelastic and charge-exchange reactions. Physical Review C, 1997, 56, 1483-1499.	2.9	52
183	New modes of halo excitation inthe6He nucleus. Physical Review C, 1997, 55, R577-R581.	2.9	59
184	Uncertainties in the ground state structure of 8B and implications for the S17 astrophysical S-factor. Nuclear Physics A, 1997, 615, 69-81.	1.5	22
185	Theoretical studies of light halo nuclei; Bound states and continuum. Nuclear Physics A, 1997, 616, 426-437.	1.5	3
186	Radii of halo nuclei from cross section measurements. Physical Review C, 1996, 54, 1843-1852.	2.9	200
187	Few-body aspects of Borromean halo nuclei. Physics Reports, 1996, 264, 27-37.	25.6	39
188	Core excitation in one neutron halo systems. Nuclear Physics A, 1996, 596, 171-186.	1.5	124
189	A study of coupled-reaction channel effects in the36S +37Cl system, hybridization between single particle orbits. Zeitschrift FÃ¼r Physik A, 1996, 353, 373-385.	0.9	9
190	Core excitation in three-body systems: Application to 12Be. Nuclear Physics A, 1996, 609, 43-73.	1.5	95
191	Optical model approach for heavy ion fusion. Physical Review C, 1996, 54, 3286-3289.	2.9	7
192	Analyzing powers inHe4(6Liâ†',Li6)4He. Physical Review C, 1996, 53, 2862-2869.	2.9	15
193	Structure and reactions of theBe12,14nuclei. Physical Review C, 1996, 53, 708-714.	2.9	55
194	Quasielastic scattering ofLi9onC12. Physical Review C, 1996, 54, 1262-1266.	2.9	18
195	Structure signatures in proton scattering fromLi9,11. Physical Review C, 1996, 54, 1867-1876.	2.9	16
196	Coupled-Channel Effects on Heavy-Ion Sub-barrier Fusion Within the Doorway Expansion Method. Annals of Physics, 1995, 243, 420-429.	2.8	6
197	Evaluation of an eikonal model for 11Li-nucleus elastic scattering. Nuclear Physics A, 1995, 581, 331-355.	1.5	46
198	The threshold anomaly in the systems. Nuclear Physics A, 1995, 582, 314-334.	1.5	37

#	Article	IF	Citations
199	Structure and reactions of the Li and Be halo nuclei. Nuclear Physics A, 1995, 588, c59-c64.	1.5	6
200	Fusion of a polarized projectile with a polarized target. AIP Conference Proceedings, 1995, , .	0.4	0
201	Existence of proton halos near the drip line. Physical Review C, 1995, 52, 3505-3508.	2.9	66
202	Two-neutron capture reactions in supernovae neutrino bubbles. Physical Review C, 1995, 52, 2231-2235.	2.9	43
203	The fusion of16O with an aligned165Ho target. Journal of Physics G: Nuclear and Particle Physics, 1994, 20, 169-187.	3.6	3
204	New aspects of Coulomb dissociation. Journal of Physics G: Nuclear and Particle Physics, 1994, 20, 741-749.	3.6	0
205	Fingerprints of a possible low-lying resonance in11Li. Journal of Physics G: Nuclear and Particle Physics, 1994, 20, 201-213.	3.6	18
206	Effects ofLi10virtual states on the structure ofLi11. Physical Review C, 1994, 49, 1904-1907.	2.9	149
207	Clustering aspects of light exotic nuclei. Zeitschrift FÃ¼r Physik A, 1994, 349, 285-290.	0.9	6
208	CRCWFN: coupled real Coulomb wavefunctions. Computer Physics Communications, 1994, 79, 143-155.	7.5	13
209	Bound state properties of Borromean halo nuclei: 6He and 11Li. Physics Reports, 1993, 231, 151-199.	25.6	916
210	One-particle densities of 11Li in different three-body approaches. Nuclear Physics A, 1993, 552, 353-362.	1.5	25
211	Quasielastic scattering ofLi11using realistic three-body wave functions. Physical Review C, 1993, 47, R1364-R1368.	2.9	35
212	Extended DWBA prescription and angular momentum mismatched reactions. Nuclear Physics A, 1992, 539, 500-510.	1.5	0
213	Progress and pitfalls in curricular computing. Physics World, 1991, 4, 47-48.	0.0	0
214	Optical fusion potentials for16O+208Pb. Journal of Physics G: Nuclear and Particle Physics, 1991, 17, L163-L168.	3.6	6
215	Magnetic substrate population in heavy-ion inelastic scattering at energies near the Coulomb barrier. Journal of Physics G: Nuclear and Particle Physics, 1991, 17, L209-L215.	3.6	1
216	The threshold anomaly in inelastic scattering. Nuclear Physics A, 1990, 517, 193-204.	1.5	12

#	Article	IF	Citations
217	Comment on â€˜â€˜Simultaneous analyses of elastic scattering and fusion cross sections for theS32+58,64Ni systems at energies near the Coulomb barrierâ€™â€™. Physical Review C, 1990, 41, 1869-1872.	2.9	15
218	The threshold anomaly in 16O + 208Pb scattering. Nuclear Physics A, 1989, 505, 84-102.	1.5	147
219	Coupled reaction channels calculations in nuclear physics. Computer Physics Reports, 1988, 7, 167-212.	2.2	1,444
220	Study of the one-neutron transfer reactions induced by polarized 7Li ON 26Mg and 120Sn. Nuclear Physics A, 1988, 486, 152-178.	1.5	20
221	Evidence of projectile polarisation effects on the reaction 208Pb(17O, 16O)209Pb. Nuclear Physics A, 1988, 487, 141-161.	1.5	10
222	Real Dispositions in the Physical World. British Journal for the Philosophy of Science, 1988, 39, 67-79.	2.3	39
223	Modified bessel functions of real order and complex argument, to selected accuracy. Computer Physics Communications, 1987, 47, 245-257.	7.5	31
224	Heavy-ion fusion: Channel-coupling effects, the barrier penetration model, and the threshold anomaly for heavy-ion potentials. Annals of Physics, 1987, 178, 110-143.	2.8	87
225	Multistep effects in reactions of 17O with 208Pb near the coulomb barrier. Nuclear Physics A, 1987, 463, 710-730.	1.5	35
226	Coulomb and Bessel functions of complex arguments and order. Journal of Computational Physics, 1986, 64, 490-509.	3.8	97
227	COULCC: A continued-fraction algorithm for Coulomb functions of complex order with complex arguments. Computer Physics Communications, 1985, 36, 363-372.	7.5	109
228	Time-independent mean field description of collisions. Annals of Physics, 1984, 152, 475-489.	2.8	19
229	COULN, a program for evaluating negative energy coulomb functions. Computer Physics Communications, 1984, 33, 413-419.	7.5	13
230	Scattering and break-up of deuterons on Î±-particles in a realistic three-body model. Nuclear Physics A, 1983, 405, 126-140.	1.5	18
231	Non-Orthogonality Effects in Quasi-Elastic Reactions. Physica Scripta, 1982, 25, 475-479.	2.5	3
232	Non-orthogonality overlaps. II. Antisymmetrised deuteron-nucleus reactions. Journal of Physics G: Nuclear Physics, 1982, 8, 1049-1058.	0.8	3
233	Non-orthogonality overlaps. I. Deuteron transfer reactions. Journal of Physics G: Nuclear Physics, 1982, 8, 937-947.	0.8	7
234	Elastic scattering of 89 MeV 7Li by 40Ca and 48Ca. Nuclear Physics A, 1982, 385, 525-536.	1.5	36