

Pierre Descouvemont

List of Publications by Year in descending order

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299
papers

8,421
citations

94433

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all docs

304
docs citations

304
times ranked

2592
citing authors

#	ARTICLE	IF	CITATIONS
1	effects in the $\text{Li}^{11}(\text{p},\text{t})\text{Li}^9$ reaction. Physical Review C, 2021, 103, .		2
2	Resonances in ^{12}C and ^{24}Mg : what do we learn from a microscopic cluster theory?. European Physical Journal A, 2021, 57, 1.	2.5	3
3	Exchange effects in nucleus-nucleus reactions. Physical Review C, 2021, 103, .	2.9	2
4	Halo effects in the $\text{Li}^{11}(\text{p},\text{t})\text{Li}^9$ reaction. Physical Review C, 2021, 104, .	2.9	6
5	Lagrange-mesh R -matrix method for inhomogeneous equations. Physical Review C, 2020, 102, .	2.9	6
6	Coupled-reaction-channel study of the $\text{C}^{12}(\hat{1}\pm, \text{Be}^8)$ reaction and the Be^8+Be^8 optical potential. Physical Review C, 2020, 102, .	2.9	3
7	Sensitivity of transfer cross sections to the bound-state wave functions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 811, 135874.	4.1	4
8	Nuclear Reactions of Astrophysical Interest. Frontiers in Astronomy and Space Sciences, 2020, 7, .	2.8	11
9	Low-energy $\text{Li}^{11}+\text{p}$ and $\text{Li}^{11}+\text{d}$ scattering in a multicluster model. Physical Review C, 2020, 101, .	2.9	11
10	A stochastic microscopic approach to the ^{10}Be and ^{11}Be nuclei. Progress of Theoretical and Experimental Physics, 2020, 2020, .	6.6	8
11	White paper: from bound states to the continuum. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 123001.	3.6	38
12	Four-Body Effects in Nucleus-Nucleus Scattering. Springer Proceedings in Physics, 2020, , 383-389.	0.2	0
13	Transfer reactions with the Lagrange-mesh method. Physical Review C, 2019, 100, .	2.9	10
14	Improved astrophysical rate for the $^{18}\text{O}(\text{p},\hat{1}\pm)^{15}\text{N}$ reaction by underground measurements. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 237-242.	4.1	22
15	Microscopic three-cluster study of light exotic nuclei. Physical Review C, 2019, 99, .	2.9	4
16	Microscopic Description of $^8\text{Li} + \text{Nucleus}$ and of $^8\text{B} + \text{Nucleus}$. Few-Body Systems, 2019, 60, 1.	1.5	7
17	Be^9 scattering with microscopic wave Updated three-body model of Be^9 scattering with microscopic wave	2.9	10
18	Updated three-body model of He^6 decay into the He^4 continuum. Physical Review C, 2018, 97, .	2.9	3

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19	Four-body extension of the continuum-discretized coupled-channels method. Physical Review C, 2018, 97, .	2.9	18
20	Coulomb and nuclear effects in breakup and reaction cross sections. Physical Review C, 2017, 95, .	2.9	10
21	Four-body continuum effects in $^{11}\text{Be} + d$ scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 1-4.	4.1	16
22	Three-body continuum of ^{26}O . Physical Review C, 2017, 96, .	2.9	4
23	Coulomb breakup of the Borromean nucleus ^{22}C . Journal of Physics: Conference Series, 2017, 863, 012031.	0.4	0
24	Three-alpha Radiative Reaction Processes at Low Temperatures. , 2017, , .		1
25	Study Of High Lying Resonances In ^9Be By The Measurement Of (p,p) , $(p,^1\pm)$ And (p,d) Reactions. , 2017, , .		0
26	A consistent four-body CDCC model of low-energy reactions: Application to $^9\text{Be}+^{208}\text{Pb}$. EPJ Web of Conferences, 2016, 117, 06005.	0.3	1
27	Reaction models in nuclear astrophysics. EPJ Web of Conferences, 2016, 117, 09001.	0.3	0
28	Precise calculation of the triple- α reaction rates using the transmission-free complex absorbing potential method. Physical Review C, 2016, 94, .	2.9	22
29	$^{12}\text{C}+^{12}\text{C}$ fusion in a multichannel folding model. Journal of Physics: Conference Series, 2016, 665, 012010.	0.4	0
30	Coulomb breakup of ^{22}C in a four-body model. Physical Review C, 2016, 94, .	2.9	11
31	Low-energy ^6He scattering in a microscopic model. Physical Review C, 2016, 93, .	2.9	10
32	Microscopic study of ^6He elastic scattering around the Coulomb barrier. AIP Conference Proceedings, 2016, , .	0.4	0
33	An R -matrix package for coupled-channel problems in nuclear physics. Computer Physics Communications, 2016, 200, 199-219.	7.5	39
34	Indirect study of $^{12}\text{C}(\pm,^3\text{He})^{16}\text{O}$ reaction. Journal of Physics: Conference Series, 2016, 665, 012007.	0.4	2
35	Three-body breakup of ^{22}C . EPJ Web of Conferences, 2016, 117, 06021.	0.3	0
36	New reaction rates for improved primordial D and H calculation and the cosmic evolution of deuterium. Physical Review D, 2015, 92, .	4.7	87

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37	Four-body effects on $9\text{Be}+208\text{Pb}$ scattering and fusion around the Coulomb barrier. Journal of Physics: Conference Series, 2015, 590, 012008.	0.4	1
38	Theoretical analysis of the astrophysical S-factor for the capture reaction $\hat{1}\pm + d \hat{a}\hat{1}' 6\text{Li} + \hat{1}\hat{3}$ in the two-body model. Physics of Atomic Nuclei, 2015, 78, 193-200. Low-energy α scattering	0.4	15
39	$\text{Pb} + \text{Pb}$ scattering	2.9	49
40	structure and Hoyle resonance of ^{12}C . Spectroscopic study on the exotic nucleus ^{12}C using the	2.9	24
41	$^{12}\text{C} + ^{12}\text{C}$ fusion at low energies. Journal of Physics: Conference Series, 2015, 590, 012038.	2.9	3
42	Low-Energy Reactions Involving Halo Nuclei: A Microscopic Version of CDCC. Few-Body Systems, 2015, 56, 737-744.	0.4	0
43	Recent results on reactions with radioactive beams at RIBRAS (Radioactive Ion Beams in Brazil). Journal of Physics: Conference Series, 2015, 590, 012012.	1.5	6
44	Role of the Hoyle state in the $^{12}\text{C} + ^{12}\text{C}$ fusion at low energies. EPJ Web of Conferences, 2014, 69, 00002.	0.4	0
45	Statistical Theory of Breakup Reactions. EPJ Web of Conferences, 2014, 69, 00020.	0.3	1
46	Effect of the inelastic couplings on the scattering of alpha particles by ^{12}C at low energies. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 035101.	0.3	0
47	Few-body models for nuclear astrophysics. AIP Advances, 2014, 4, . Microscopic description of ^7Li elastic scattering of ^7Li	1.3	7
48	Elastic scattering of ^7Li on ^{12}C at low energies. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 035101.	2.9	8
49	Evaluation of the implementation of the R-matrix formalism with reference to the astrophysically important $^{18}\text{F}(p, \hat{1}\pm)^{15}\text{O}$ reaction. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 767, 359-363.	2.9	9
50	Spectroscopy of high lying resonances in ^9Be produced with radioactive ^8Li beams. EPJ Web of Conferences, 2014, 69, 00006.	1.6	6
51	Towards a Microscopic Description of Reactions Involving Exotic Nuclei. Physical Review Letters, 2013, 111, 082701.	0.3	0
52	Tensor Force Manifestations in ab Initio Study of the $2\text{H}(d, \hat{1}\hat{3})4\text{He}$, $2\text{H}(d, p)3\text{H}$, and $2\text{H}(d, n)3\text{He}$ Reactions. Few-Body Systems, 2013, 54, 1357-1360.	7.8	29
53	Tensor Force Manifestations in ab Initio Study of the $2\text{H}(d, \hat{1}\hat{3})4\text{He}$, $2\text{H}(d, p)3\text{H}$, and $2\text{H}(d, n)3\text{He}$ Reactions. Few-Body Systems, 2013, 54, 1357-1360.	1.5	0

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55	Role of the Hoyle state in $^{12}\text{C}+^{12}\text{C}$ fusion. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 355-359.	4.1	27
56	Core excitations in exotic nuclei. Journal of Physics: Conference Series, 2013, 436, 012038.	0.4	0
57	Nonmicroscopic and microscopic descriptions of condensate states in the ^{12}C and ^{16}O nuclei. Journal of Physics: Conference Series, 2013, 436, 012005.	0.4	1
58	Tensor force manifestations in <i>ab initio</i> study of the $^2\text{H}(d,d)^3\text{H}$, $^4\text{He}(d,p)^3\text{H}$ and $^2\text{H}(d,n)^3\text{He}$ reactions. Journal of Physics: Conference Series, 2013, 436, 012024.	0.4	1
59	Breakup of ^{11}Li in a three-cluster model. Journal of Physics: Conference Series, 2013, 436, 012045.	0.4	0
60	Microscopic description of $\hat{1}\pm + \hat{1}\pm$ bremsstrahlung from a realistic nucleon-nucleon interaction. Journal of Physics: Conference Series, 2013, 436, 012030.	0.4	5
61	The R-matrix theory in nuclear and atomic physics. Scholarpedia Journal, 2013, 8, 12360.	0.3	4
62	Resonances in ^{19}Ne with relevance to the astrophysically important $^{18}\text{F}(p,\alpha)^{15}\text{O}$ reaction. , 2013, , .		0
63	Tensor Force Manifestations in <i>Ab Initio</i> Study of the $^2\text{H}(d,\gamma)^4\text{He}$, $^2\text{H}(d,p)^3\text{H}$, and $^2\text{H}(d,n)^3\text{He}$ Reactions. Progress of Theoretical Physics Supplement, 2012, 196, 483-487.	0.1	0
64	Nuclear astrophysics: nucleosynthesis in the Universe. International Journal of Astrobiology, 2012, 11, 243-250.	1.6	3
65	Recent results with radioactive ion beams in Brasil (RIBRAS). , 2012, , .		0
66	Reactions with ^8Li at RIBRAS (Radioactive Ion Beams in Brasil): Astrophysical and nuclear structure applications. , 2012, , .		0
67	Microscopic description of reactions involving exotic nuclei. , 2012, , .		0
68	Three-body breakup of ^{11}Li with the eikonal method. Physical Review C, 2012, 85, .	2.9	33
69	Resonances in ^{19}Ne with relevance to the astrophysically important $^{18}\text{F}(p,\hat{1}\pm)^{15}\text{O}$ reaction. Physical Review C, 2012, 85, .	2.9	21
70	Core excitations and narrow states beyond the proton dripline: The exotic nucleus ^{21}Al . Physical Review C, 2012, 86, .	2.9	6
71	^5He and ^8Li nuclei on primordial nucleosynthesis. Physical Review D, 2012, 86, .	4.7	41
72	The $^8\text{Li}(p,\hat{1}\pm)^5\text{He}$ reaction at low energies, and ^9Be spectroscopy around the proton threshold. Physical Review C, 2012, 86, .	2.9	11

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91	THEORETICAL STUDY OF THE ^{11}Li \hat{I}^2 DECAY INTO THE DEUTERON CHANNEL IN A CLUSTER MODEL. International Journal of Modern Physics E, 2011, 20, 803-806.	1.0	1
92	MULTICHANNEL ANALYSIS OF THE ^{16}B NUCLEUS. International Journal of Modern Physics E, 2011, 20, 1022-1025.	1.0	0
93	MICROSCOPIC CLUSTER MODELS. International Journal of Modern Physics E, 2011, 20, 393-398.	1.0	3
94	[¹⁷ F breakup reactions: a touchstone for indirect measurements. , 2011, , .		0
95	S-factor measurement of the $^{13}\text{C}(p,\hat{I}^3)^{14}\text{N}$ reaction in reverse kinematics. Journal of Physics: Conference Series, 2010, 202, 012015.	0.4	18
96	Effects of the variation of fundamental constants on Population III stellar evolution. Astronomy and Astrophysics, 2010, 514, A62.	5.1	35
97	The R -matrix theory. Reports on Progress in Physics, 2010, 73, 036301.	20.1	315
98	High-energy \hat{I}^{\pm} -nucleus scattering with microscopic wave functions. Nuclear Physics A, 2010, 834, 499c-501c.	1.5	0
99	Scientific program of the Radioactive Ion Beams Facility in Brasil (RIBRAS). Nuclear Physics A, 2010, 834, 491c-494c.	1.5	2
100	High-energy reactions with microscopic wave functions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 686, 124-126.	4.1	1
101	Microscopic investigation of the ^{12}Be spectroscopy. Nuclear Physics A, 2010, 836, 242-255.	1.5	21
102	CDCC calculations with the Lagrange-mesh technique. Nuclear Physics A, 2010, 845, 88-105.	1.5	31
103	Unique decay process: \hat{I}^2 -delayed emission of a proton and a neutron by the ^{11}Li halo nucleus. Physical Review C, 2010, 82, .	2.9	3
104	Reply to "Comment on "Low-energy $^{18}\text{F}(p,\hat{I}^{\pm})^{19}\text{O}$ cross section measurements relevant to ^{13}C -ray emission". Physical Review C, 2010, 81, .	2.9	1
105	Narrow states in the three-proton emitter ^{17}Na . Physical Review C, 2010, 81, .	2.9	21
106	Three-body structure of ^{18}Ne in a microscopic model. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 045102.	3.6	6
107	The [¹² C(\hat{I}^{\pm} , \hat{I}^3)[¹⁶ O E2 cross section at stellar energies. , 2010, , .		0
108	Few-Body Effects in Elastic Scattering of Light Exotic Nuclei. , 2010, , .		2

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109	Effects of the variation of fundamental constants on Pop III stellar evolution. AIP Conference Proceedings, 2010, , .	0.4	4
110	APPLICATION OF THE R-MATRIX METHOD TO CDCC CALCULATIONS. Modern Physics Letters A, 2010, 25, 1745-1749.	1.2	2
111	Application à l'ceelow-energy cross sections in the C		

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127	GENERALIZED OPTICAL POTENTIAL OF LIGHT WEAKLY BOUND CLUSTER NUCLEI. International Journal of Modern Physics E, 2008, 17, 2326-2330.	1.0	3
128	CROSS SECTIONS FOR NUCLEAR ASTROPHYSICS. International Journal of Modern Physics E, 2008, 17, 2165-2170.	1.0	0
129	THEORETICAL INVESTIGATIONS OF THE $^{12}\text{C}(\hat{1}\pm, \hat{1}^3)^{16}\text{O}$ CROSS SECTION. International Journal of Modern Physics E, 2008, 17, 2176-2181.	1.0	4
130	Indirect Study of $^{13}\text{C}(\hat{1}\pm, n)^{16}\text{O}$. AIP Conference Proceedings, 2008, , . Threshold effects in the $^{13}\text{C}(\hat{1}\pm, n)^{16}\text{O}$ reaction	0.4	0
131	Indirect study of the $^{13}\text{C}(\hat{1}\pm, n)^{16}\text{O}$ reaction. AIP Conference Proceedings, 2008, , . Indirect study of the $^{13}\text{C}(\hat{1}\pm, n)^{16}\text{O}$ reaction	2.9	12
132	New reaction rate for $^{13}\text{C}(\hat{1}\pm, n)^{16}\text{O}$. AIP Conference Proceedings, 2008, , . New reaction rate for $^{13}\text{C}(\hat{1}\pm, n)^{16}\text{O}$	2.9	36
133	Microscopic cluster description of light nuclei. Journal of Physics: Conference Series, 2008, 111, 012009.	0.4	2
135	$3\hat{1}\pm$ description of ^{12}C with microscopic nonlocal potentials. Journal of Physics: Conference Series, 2008, 111, 012045.	0.4	2
136	Three-cluster models for light nuclei. Journal of Physics: Conference Series, 2008, 111, 012046.	0.4	0
137	Observation of ^{19}Na states by inelastic scattering. AIP Conference Proceedings, 2007, , .	0.4	0
138	Three-body model of light nuclei with microscopic nonlocal interactions. Physical Review C, 2007, 76, .	2.9	28
139	Isospin symmetry in mirror $\hat{1}\pm$ decays. Physical Review C, 2007, 75, .	2.9	18
140	The R-matrix Method in Nuclear Astrophysics. EAS Publications Series, 2007, 27, 67-81.	0.3	0
141	New low-energy measurement of the $^{18}\text{F}(p, \hat{1}\pm)^{15}\text{O}$ reaction. European Physical Journal: Special Topics, 2007, 150, 211-214.	2.6	2
142	The $^{18}\text{F}(p, \hat{1}\pm)^{15}\text{O}$ low-energy S-factor: A microscopic approach. Nuclear Physics A, 2007, 785, 381-394.	1.5	35
143	Gamma-delayed deuteron emission of the halo state. Nuclear Physics A, 2007, 793, 52-66.	1.5	5
144	THREE-BODY MODELS IN NUCLEAR PHYSICS. , 2006, , .		0

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145	Cross section predictions for hydrostatic and explosive burning. Nuclear Physics A, 2006, 777, 137-156.	1.5	35
146	Three-body continuum states on a Lagrange mesh. Nuclear Physics A, 2006, 765, 370-389.	1.5	79
147	Core excitations in ^{12}C . Nuclear Physics A, 2006, 765, 370-389.	4.1	14
148	A first experimental approach to the $^{15}\text{O} + \hat{1}\pm$ elastic scattering. European Physical Journal A, 2006, 27, 183-186.	2.5	8
149	Relation between the $^{16}\text{O}(\hat{1}\pm, \hat{1}^3)^{20}\text{Ne}$ reaction and its reverse $^{20}\text{Ne}(\hat{1}^3, \hat{1}\pm)^{16}\text{O}$ reaction in stars and in the laboratory. European Physical Journal A, 2006, 27, 75-78.	2.5	10
150	Relation between proton and neutron asymptotic normalization coefficients for light mirror nuclei and its relevance for nuclear astrophysics. European Physical Journal A, 2006, 27, 269-276.	2.5	11
151	Low-energy states in ^{11}N and two-proton emission of ^{12}O . AIP Conference Proceedings, 2006, , .	0.4	1
152	$^{14}\text{O}+p$ elastic scattering in a microscopic cluster model. AIP Conference Proceedings, 2006, , .	0.4	0
153	Spectroscopy of the proton drip-line nucleus ^{19}Na by resonant elastic and inelastic scattering. AIP Conference Proceedings, 2006, , .	0.4	0
154	Analysis of the $^6\text{He} \hat{1}^2$ decay into the $\hat{1}\pm+d$ continuum within a three-body model. Physical Review C, 2006, 73, .	2.9	30
155	$\hat{1}^2$ decay of ^{11}Li into ^9Li and a deuteron within a three-body model. Physical Review C, 2006, 74, .	2.9	14
156	$^{15}\text{C} \hat{1}^2$ Charge Symmetry and the $^{14}\text{N}(n, \hat{1}^3)^{15}\text{C}$ Reaction Puzzle. Physical Review Letters, 2006, 96, 162501.	7.8	33
157	Low-lying states in the unbound ^{11}N nucleus. Physical Review C, 2006, 73, .	2.9	28
158	Comparison of local, semi-microscopic, and microscopic three-cluster models. Physical Review C, 2006, 74, .	2.9	26
159	Relation between the $^{16}\text{O}(\hat{1}\pm, \hat{1}^3)^{20}\text{Ne}$ reaction and its reverse $^{20}\text{Ne}(\hat{1}^3, \hat{1}\pm)^{16}\text{O}$ reaction in stars and in the laboratory. , 2006, , 75-78.		0
160	Relation between proton and neutron asymptotic normalization coefficients for light mirror nuclei and its relevance for nuclear astrophysics. , 2006, , 269-276.		0
161	Recent results of the $^{14}\text{N}(p, \hat{1}^3)^{15}\text{O}$ measurement at LUNA. Nuclear Physics A, 2005, 758, 383-386.	1.5	6
162	Big-Bang reaction rates within the R-matrix model. Nuclear Physics A, 2005, 758, 783-786.	1.5	4

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163	A new effective nucleon-nucleon interaction for microscopic cluster models. Nuclear Physics A, 2005, 750, 218-231.	1.5	7
164	Big Bang nucleosynthesis, microwave anisotropy, and the light element abundances. Nuclear Physics A, 2005, 752, 522-531.	1.5	8
165	Three-body models of the ^6Li and ^9Be hypernuclei with non-local interactions. Nuclear Physics A, 2005, 753, 233-248.	1.5	7
166	A test of the zero-range DWBA method at astrophysical energies. European Physical Journal A, 2005, 23, 435-443.	2.5	4
167	S-factor of $^{14}\text{N}(p, \alpha)^{12}\text{C}$ at astrophysical energies. European Physical Journal A, 2005, 25, 455-466.	2.5	203
168	Asymptotic normalization coefficients for mirror virtual nucleon decays in a microscopic cluster model. Physical Review C, 2005, 71, .	2.9	30
169	Microscopic cluster model analysis of $^{14}\text{N}(p, \alpha)^{12}\text{C}$ elastic scattering. Physical Review C, 2005, 72, .	2.9	18
170	Multichannel study of the $^{13}\text{C}(n, p)^{12}\text{C}$ and $^{16}\text{O}(n, p)^{15}\text{N}$ reactions. Physical Review C, 2005, 72, .	2.9	27
171	Relation between widths of proton resonances and neutron asymptotic normalization coefficients in mirror states of light nuclei in a microscopic cluster model. Physical Review C, 2005, 72, .	2.9	22
172	Reanalysis of the $^7\text{Be}(p, \alpha)^4\text{He}$ S-factor in a microscopic model. Physical Review C, 2004, 70, .	2.9	65
173	THEORETICAL MODELS FOR NUCLEAR ASTROPHYSICS. , 2004, , .		12
174	Updated Big Bang Nucleosynthesis Compared with Wilkinson Microwave Anisotropy Probe Observations and the Abundance of Light Elements. Astrophysical Journal, 2004, 600, 544-552.	4.5	312
175	The reaction at stellar energies. Nuclear Physics A, 2004, 730, 316-328.	1.5	13
176	A microscopic three-cluster model in the hyperspherical formalism. Nuclear Physics A, 2004, 740, 249-267.	1.5	43
177	Astrophysical S-factor of $^{14}\text{N}(p, \alpha)^{12}\text{C}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 591, 61-68.	4.1	289
178	Microscopic cluster study of the $^7\text{Be}(p, \alpha)^4\text{He}$ and $^{17}\text{F}(p, \alpha)^{16}\text{O}$ reactions at astrophysical energies. Nuclear Physics A, 2004, 738, 150-154.	1.5	13
179	Molecular bands in ^{22}Ne . Nuclear Physics A, 2004, 738, 447-450.	1.5	9
180	Compilation and R-matrix analysis of Big Bang nuclear reaction rates. Atomic Data and Nuclear Data Tables, 2004, 88, 203-236.	2.4	254

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181	UPDATED BIG BANG NUCLEOSYNTHESIS COMPARED TO WMAP RESULTS. , 2004, , .		0
182	Microscopic study of $\hat{1}\pm$ -cluster states in. Nuclear Physics A, 2003, 726, 53-66.	1.5	26
183	Experimental determination of the Be+p scattering lengths. Nuclear Physics A, 2003, 716, 211-229.	1.5	56
184	Spectroscopy of the proton drip line nucleus ^{19}Na by $^1\text{H}(^{18}\text{Ne},p)^{18}\text{Ne}$ elastic scattering. Nuclear Physics A, 2003, 719, C201-C204.	1.5	2
185	The elastic scattering $^7\text{Be} + p$ at low energies: implications on the $^7\text{Be}(p, \hat{1}^3)^8\text{Be}$ S-factor. Nuclear Physics A, 2003, 719, C300-C303.	1.5	6
186	Comparative variational studies of $0+$ states in three- $\hat{1}\pm$ models. Nuclear Physics A, 2003, 723, 365-374.	1.5	27
187	Three-body systems with Lagrange-mesh techniques in hyperspherical coordinates. Physical Review C, 2003, 67, .	2.9	95
188	Identification of a new low-lying state in the proton drip line nucleus ^{19}Na . Physical Review C, 2003, 67, .	2.9	35
189	$2n$ -transfer contribution in the $^4\text{He}(^6\text{He},^6\text{He})^4\text{He}$ cross section at $E_{c.m.}=11.6\text{MeV}$. Physical Review C, 2003, 67, .	2.9	33
190	Resonance structure of ^9Be and ^9B in a microscopic cluster model. Physical Review C, 2003, 68, .	2.9	59
191	R-matrix analysis of the $^3\text{He}(n, p)^3\text{H}$ and $^7\text{Be}(n, p)^7\text{Li}$ reactions. Journal of Physics G: Nuclear and Particle Physics, 2003, 29, 395-403.	3.6	29
192	The ^5H Nucleus in a Microscopic Cluster Model. Progress of Theoretical Physics Supplement, 2002, 146, 545-546.	0.1	0
193	Microscopic study of $\hat{1}\pm$ clustering in the $^9,^{10},^{11}\text{Be}$ isotopes. Nuclear Physics A, 2002, 699, 463-478.	1.5	64
194	Microscopic study of the $^6\text{Li}(p, \hat{1}^3)^7\text{Be}$ and $^6\text{Li}(p, \hat{1}\pm)^3\text{He}$ reactions. Nuclear Physics A, 2002, 699, 963-975.	1.5	48
195	Measurement of the $^4\text{He}(^6\text{He},^6\text{He})^4\text{He}$ cross section with a ^4He -implanted Al target. Nuclear Physics A, 2002, 701, 387-393.	1.5	1
196	Microscopic study of $\hat{1}\pm$ clustering in ^{12}C , ^{24}Mg and ^{48}Cr . Nuclear Physics A, 2002, 709, 275-286.	1.5	35
197	CLUSTER STATES IN BE ISOTOPES. , 2002, , .		0
198	CLUSTER MODELS IN NUCLEAR ASTROPHYSICS. , 2002, , .		4

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199	Microscopic cluster study of the ^5H nucleus. <i>Physical Review C</i> , 2001, 63, .	2.9	39
200	Microscopic three-cluster study of the low-energy ^9Be photodisintegration. <i>European Physical Journal A</i> , 2001, 12, 413-419.	2.5	32
201	^{12}Be molecular states in a microscopic cluster model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001, 505, 71-74.	4.1	50
202	The $^{14}\text{N}(p,)^{15}\text{O}$ low-energy s -factor. <i>Nuclear Physics A</i> , 2001, 690, 755-768.	1.5	98
203	The $^{15}\text{O}(\hat{1}\pm, \hat{1}^3)^{19}\text{Ne}$ and $^{13}\text{C}(\hat{1}\pm, n)^{16}\text{O}$ reactions in a multicluster model. <i>Nuclear Physics A</i> , 2001, 688, 154-157.	1.5	6
204	R-matrix analysis of the $^{12}\text{C}(\hat{1}\pm, \hat{1}^3)^{16}\text{O}$ and $^{14}\text{N}(p, \hat{1}^3)^{15}\text{O}$ S-factors. <i>Nuclear Physics A</i> , 2001, 688, 546-548.	1.5	2
205	Astrophysica for Windows: a PC software for nuclear astrophysics. <i>Nuclear Physics A</i> , 2001, 688, 557-559.	1.5	0
206	Microscopic analysis of the $^{13}\text{C}(\hat{1}\pm, n)^{16}\text{O}$ and $^{16}\text{O}(n, \hat{1}^3)^{17}\text{O}$ reactions. <i>Nuclear Physics A</i> , 2001, 694, 221-232.	1.5	16
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