

Pierre Descouvemont

List of Publications by Year in descending order

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299
papers

8,421
citations

94433
37
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60623
81
g-index

304
all docs

304
docs citations

304
times ranked

2592
citing authors

#	ARTICLE	IF	CITATIONS
1	A compilation of charged-particle induced thermonuclear reaction rates. Nuclear Physics A, 1999, 656, 3-183.	1.5	1,887
2	The $\langle i \rangle R \langle /i \rangle$ -matrix theory. Reports on Progress in Physics, 2010, 73, 036301.	20.1	315
3	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
4	Astrophysical S-factor of $^{14}\text{N}(\text{p},\hat{\beta}^3) ^{15}\text{O}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 591, 61-68.	4.1	289
5	Compilation and R-matrix analysis of Big Bang nuclear reaction rates. Atomic Data and Nuclear Data Tables, 2004, 88, 203-236.	2.4	254
6	S-factor of $^{14}\text{N}(\text{p},\hat{\beta}^3) ^{15}\text{O}$ at astrophysical energies. European Physical Journal A, 2005, 25, 455-466.	2.5	203
7	Microscopic study of the $^{7}\text{Li}(\text{n},\hat{\beta}^3) ^{8}\text{Li}$ and $^{7}\text{Be}(\text{p},\hat{\beta}^3) ^{8}\text{B}$ reactions in a multiconfiguration three-cluster model. Nuclear Physics A, 1994, 567, 341-353.	1.5	148
8	Microscopic theory of the $^{9}\text{Be}(\hat{i}^{\pm},\hat{\beta}^3) ^{12}\text{C}$ reaction in a three-cluster model. Physical Review C, 1987, 36, 54-59.	2.9	109
9	The $^{14}\text{N}(\text{p},\hat{\beta}) ^{15}\text{O}$ low-energy -factor. Nuclear Physics A, 2001, 690, 755-768.	1.5	98
10	Three-body systems with Lagrange-mesh techniques in hyperspherical coordinates. Physical Review C, 2003, 67, .	2.9	95
11	New reaction rates for improved primordial $\text{D} \rightarrow \text{H}$ calculation and the cosmic evolution of deuterium. Physical Review D, 2015, 92, .	4.7	87
12	Electromagnetic transitions and radiative capture in the generator-coordinate method. Nuclear Physics A, 1983, 407, 77-97.	1.5	79
13	Three-body continuum states on a Lagrange mesh. Nuclear Physics A, 2006, 765, 370-389.	1.5	79
14	Reanalysis of the $^{9}\text{Be}(\text{p},\hat{\beta}^3) ^{10}\text{B}$ factor in a microscopic model. Physical Review C, 2004, 70, .	2.9	65
15	Microscopic study of \hat{i}^{\pm} clustering in the $^{9,10,11}\text{Be}$ isotopes. Nuclear Physics A, 2002, 699, 463-478.	1.5	64
16	Resonance structure of ^{9}Be and ^{9}B in a microscopic cluster model. Physical Review C, 2003, 68, .	2.9	59
17	Experimental determination of the $\text{Be} + \text{p}$ scattering lengths. Nuclear Physics A, 2003, 716, 211-229.	1.5	56
18	Antisymmetrization effects in radiative capture reactions. Annals of Physics, 1985, 165, 115-147.	2.8	55

#	ARTICLE		IF	CITATIONS
19	Multiconfiguration microscopic study of $\hat{I} \pm 14C$ molecular states. Physical Review C, 1985, 31, 2274-2284.	2.9	55	
20	Halo structure of Be14 in a microscopic Be12+n+cluster model. Physical Review C, 1995, 52, 704-710.	2.9	55	
21	Matter densities of 8B and 8Li in a microscopic cluster model and the proton-halo problem of 8B. Nuclear Physics A, 1994, 577, 624-640.	1.5	52	
22	R-matrix analysis of interference effects in $^{12}C(\hat{I} \pm, \hat{I} \pm) ^{12}C$ and $^{12}C(\hat{I} \pm, \hat{I}^3) ^{16}O$. Physical Review C, 2000, 61, .	2.9	51	
23	The exotic nuclei ^{11}Be and ^{11}N in a microscopic cluster model. Nuclear Physics A, 1997, 615, 261-276.	1.5	50	
24	12Be molecular states in a microscopic cluster model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 505, 71-74. Indirect study of the coupling mechanism. http://www.w3.org/1998/Math/MathML "	4.1	50	
25	Low-energy $\langle mml:math$ $\text{xml�:math}=\text{"http://www.w3.org/1998/Math/MathML"}>\langle mml:mrow>\langle mml:mmultiscripts>\langle mml:mi mathvariant="normal">Be\langle mml:mi>\langle mml:mprescripts />\langle mml:none />\langle mml:mrow>\langle mml:mn>9\langle mml:mn>\langle mml:mrow>\langle mml:mmultiscripts>\langle mml:mrow>\langle mml:mo>+\langle mml:mo>\times\langle mml:mrow>49\langle mml:math>\text{mathvariant="normal"}>Pb\langle mml:mi>\langle mml:mprescripts />\langle mml:none />\langle mml:mrow>\langle mml:mn>208\langle mml:mn>\langle mml:mrow>\langle mml:mmultiscripts>\langle mml:mrow>\langle mml:math>\text{scattering},$	2.9	50	
26	Microscopic study of the $^{6}Li(p, \hat{I}^3) ^{7}Be$ and $^{6}Li(p, \hat{I} \pm) ^{3}He$ reactions. Nuclear Physics A, 2002, 699, 963-975.	1.5	48	
28	Four-body calculation of ^{6}He breakup with the Coulomb-corrected eikonal method. Physical Review C, 2009, 79, .	2.9	47	
29	The reaction in a microscopic three-cluster model. Nuclear Physics A, 1988, 487, 420-432.	1.5	46	
30	A microscopic three-cluster model in the hyperspherical formalism. Nuclear Physics A, 2004, 740, 249-267.	1.5	43	
31	Local versus nonlocal $\hat{I} \pm \hat{I} \pm$ interactions in a $3\hat{I} \pm$ description of ^{12}C . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 659, 160-164. New reaction rate for $\langle mml:math$ $\text{xml�:math}=\text{"http://www.w3.org/1998/Math/MathML"}>\langle mml:mmultiscripts>\langle mml:mi mathvariant="normal">O\langle mml:mi>\langle mml:mprescripts />\langle mml:none />\langle mml:mrow>\langle mml:mn>16\langle mml:mn>\langle mml:mrow>\langle mml:mmultiscripts>\langle mml:mrow>\langle mml:math>(\langle mml:math>Tj ETQq0 0^0rgBT /Overlock 10^43$	4.1	43	
32	$\text{xml�:math}=\text{"http://www.w3.org/1998/Math/MathML"}>\langle mml:math>\text{Tensor Force Manifestations in } ^{12}C\text{ and } ^{16}O\text{ Study of the } ^{12}C + ^{16}O \text{ reaction}$			
33	$\text{xml�:math}=\text{"http://www.w3.org/1998/Math/MathML"}>\langle mml:math>\text{Variation of fundamental constants and the role of } ^{12}C\text{ and } ^{16}O \text{ in the } ^{12}C + ^{16}O \text{ reaction}$	7.8	43	
34	$\text{xml�:math}=\text{"http://www.w3.org/1998/Math/MathML"}>\langle mml:math>\text{nucleosynthesis. Physical Review D, 2012, 86, .}$	4.7	41	
35	Microscopic cluster study of the 5H nucleus. Physical Review C, 2001, 63, .	2.9	39	
36	An $\langle mml:math$ $\text{xml�:math}=\text{"http://www.w3.org/1998/Math/MathML"}>\text{alimg="si29.gif" display="inline" overflow="scroll">\langle mml:mi>R\langle mml:mi>\langle mml:math>\text{-matrix package for coupled-channel problems in nuclear physics. Computer Physics Communications, 2016, 200, 199-219.}$	7.5	39	

#	ARTICLE	IF	CITATIONS
37	Simultaneous study of the ^{11}Li and ^{10}Li nuclei in a microscopic cluster model. Nuclear Physics A, 1997, 626, 647-668.	1.5	38
38	White paper: from bound states to the continuum. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 123001.	3.6	38
39	Microscopic cluster study of the C isotopes. Nuclear Physics A, 2000, 675, 559-571.	1.5	37
40	Microscopic analysis of the $^{12}\text{C}(\bar{\nu}, \bar{\nu})^{16}\text{O}$ reaction. Nuclear Physics A, 1984, 430, 426-444.	1.5	36
41	Microscopic study of $\bar{\nu}+^{15}\text{N}$ cluster structure in ^{19}F . Nuclear Physics A, 1987, 463, 629-643.	1.5	36
42	Application of an extended cluster model to the $^{8}\text{Li}(\bar{\nu}, \bar{\nu})^{11}\text{B}$ reaction. Nuclear Physics A, 1996, 596, 285-298.	1.5	36
43	Indirect study of the $\bar{\nu}+^{15}\text{N}$ cluster structure in ^{19}F . Nuclear Physics A, 1987, 463, 629-643. display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">C</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>13</mml:mn></mml:mrow></mml:mmultiscripts></mml:math> (<mml:math>\text{Tj ETQq1 } 1^{2.9} 784314^{36} \text{gBT /Ov}</mml:math>	1.5	36
44	Microscopic description of nucleus-nucleus bremsstrahlung. Nuclear Physics A, 1985, 443, 302-320.	1.5	35
45	Resonant scattering of isobaric Ne^{19} and F^{19} beams on an H target. Physical Review C, 1994, 50, 1695-1701.	2.9	35
46	Microscopic study of $\bar{\nu}$ clustering in ^{12}C , ^{24}Mg and ^{48}Cr . Nuclear Physics A, 2002, 709, 275-286.	1.5	35
47	Identification of a new low-lying state in the proton drip line nucleus ^{19}Na . Physical Review C, 2003, 67, .	2.9	35
48	Cross section predictions for hydrostatic and explosive burning. Nuclear Physics A, 2006, 777, 137-156.	1.5	35
49	The $^{18}\text{F}(\bar{\nu}, \bar{\nu})^{15}\text{O}$ low-energy S-factor: A microscopic approach. Nuclear Physics A, 2007, 785, 381-394.	1.5	35
50	Effects of the variation of fundamental constants on Population III stellar evolution. Astronomy and Astrophysics, 2010, 514, A62.	5.1	35
51	Iterative method for resonance properties in the R-matrix theory. Physical Review A, 1990, 42, 3835-3843.	2.5	34
52	$\text{C}^{12}(\bar{\nu}, \bar{\nu})\text{O}^{16}$ cross section in a microscopic four-alpha model. Physical Review C, 1993, 47, 210-215.	2.9	34
53	Evidence for particle stability of ^{13}Be in a microscopic cluster model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 331, 271-275.	4.1	34
54	Microscopic study of proton-capture reactions on unstable nuclei. Nuclear Physics A, 1999, 646, 261-273.	1.5	33

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55	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 MeV. Physical Review C, 2003, 67, .	2.9	33
56	$\text{C}^{15}\xrightarrow{\gamma} \text{F}^{15}$ Charge Symmetry and the $\text{C}^{14}(n, \beta^3) \text{C}^{15}$ Reaction Puzzle. Physical Review Letters, 2006, 96, 162501.	7.8	33
57	Three-body breakup of ${}^{11}\text{Li}$ with the eikonal method. Physical Review C, 2012, 85, .	2.9	33
58	Electromagnetic properties of the ${}^{12}\text{C}+{}^{12}\text{C}$ and ${}^{16}\text{O}+{}^{16}\text{O}$ quasimolecules in the generator coordinate method. Nuclear Physics A, 1984, 419, 397-411.	1.5	32
59	Elastic 2n-transfer in the ${}^4\text{He}({}^6\text{He}, {}^6\text{He}) {}^4\text{He}$ scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 458, 1-7.	4.1	32
60	Microscopic three-cluster study of the low-energy ${}^9\text{Be}$ photodisintegration. European Physical Journal A, 2001, 12, 413-419.	2.5	32
61	Four-Nucleon Scattering with a Correlated Gaussian Basis Method. Few-Body Systems, 2012, 52, 97-123.	1.5	32
62	$\text{C}(\beta\pm 12, \beta^3) {}^{16}\text{O}$ reaction in a multiconfiguration microscopic model. Physical Review C, 1987, 36, 1249-1255.	2.9	31
63	Microscopic analysis of extranuclear capture on the ${}^{16}\text{O}(p, \beta^3) {}^{17}\text{F}$ reaction. Physical Review C, 1998, 58, 545-553.	2.9	31
64	CDCC calculations with the Lagrange-mesh technique. Nuclear Physics A, 2010, 845, 88-105.	1.5	31
65	Microscopic theory of β^2 -decay towards unbound states. Nuclear Physics A, 1988, 481, 445-457.	1.5	30
66	Asymptotic normalization coefficients for mirror virtual nucleon decays in a microscopic cluster model. Physical Review C, 2005, 71, .	2.9	30
67	Analysis of the ${}^6\text{He}\beta^2$ decay into the $\beta^-\pm+d$ continuum within a three-body model. Physical Review C, 2006, 73, .	2.9	30
68	Simultaneous measurement of the $F^{18}(p,p)F^{18}$ and $F^{18}(p,\beta^3)O^{15}$ reactions: Implications for the level structure of ${}^{19}\text{Ne}$, and for F^{18} production in novae. Physical Review C, 2009, 79, .	2.9	30
69	$\text{low-energy.html#math_xml_url= http://www.w3.org/1998/Math/MathML}$ $\text{display='block' } <\text{mml:multiscripts}> <\text{mml:mi mathvariant='normal'>F</mml:mi> <\text{mml:mprescripts}> <\text{mml:none}>$		

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73	Microscopic investigation of radiative capture reaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 127, 286-290.	4.1	28
74	Low-lying states in the unbound N11 nucleus. Physical Review C, 2006, 73, .	2.9	28
75	Three-body model of light nuclei with microscopic nonlocal interactions. Physical Review C, 2007, 76, .	2.9	28
76	Microscopic description of the 16O spectrum in a multiconfiguration cluster model. Nuclear Physics A, 1987, 470, 309-327.	1.5	27
77	Evidence for Halo in Quenching of 6He Δ Decay into Δ and Deuteron. Progress of Theoretical Physics, 1994, 91, 271-286.	2.0	27
78	Multicluster study of the 12C+n and 12C+p systems. Physical Review C, 1997, 56, 1831-1839.	2.9	27
79	Comparative variational studies of 0+ states in three- Δ models. Nuclear Physics A, 2003, 723, 365-374.	1.5	27
80	Multichannel study of the C13(Δ ,n)O16 and O16(n, Δ)O17 reactions. Physical Review C, 2005, 72, .	2.9	27
81	C12(Δ , Δ)O16 E2 cross section: R-matrix fits combined with a microscopic cluster model. Physical Review C, 2008, 78, .	2.9	27
82	Role of the Hoyle state in 12C+12C fusion. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 355-359.	4.1	27
83	Microscopic analysis of the C13(Δ ,n)16O and C13(Δ , Δ)13C reactions. Physical Review C, 1987, 36, 2206-2211.	2.9	26
84	The Δ +20Ne cluster structure of 24Mg in a microscopic three-cluster model. Nuclear Physics A, 1987, 475, 219-232.	1.5	26
85	Be9 and B9 nuclei in a microscopic three-cluster model. Physical Review C, 1989, 39, 1557-1562.	2.9	26
86	Multicluster description of p-shell nuclei in a microscopic model. Nuclear Physics A, 1996, 605, 160-172.	1.5	26
87	Radiative Proton Capture on 6He. Physical Review Letters, 2001, 87, 042501.	7.8	26
88	Microscopic study of Δ -cluster states in. Nuclear Physics A, 2003, 726, 53-66.	1.5	26
89	Comparison of local, semi-microscopic, and microscopic three-cluster models. Physical Review C, 2006, 74, .	2.9	26
90	Evidence for Halo in Quenching of ${}^6\text{He}$ Δ Decay into Δ and Deuteron. Progress of Theoretical Physics, 1994, 91, 271-286.	2.0	26

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91	Probing scattering wave functions with nucleus-nucleus bremsstrahlung. Nuclear Physics A, 1992, 550, 250-262.	1.5	25
92	Microscopic description of the $\hat{I} \pm + ^{16}\text{O}$ system in a multicluster model. Physical Review C, 1994, 50, 795-801.	2.9	25
93	Microscopic calculation of ^{17}Ne and ^{17}N properties in a three-cluster generator-coordinate method. Nuclear Physics A, 1996, 600, 1-19.	1.5	25
94	Cluster models in nuclear astrophysics. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014006.	3.6	25
95	Microscopic description of the $^{13}\text{N}(p, \hat{I}^3) ^{14}\text{O}$ reaction at astrophysical energies. Nuclear Physics A, 1989, 500, 155-167.	1.5	24
96	Microscopic cluster study of the ^{12}B and ^{12}N systems and application to a hot pp chain in zero-metal stars. Nuclear Physics A, 1990, 514, 66-86.	1.5	24
97	Clustering effects in a microscopic four- $\hat{I} \pm$ description of the $\hat{I} \pm + ^{12}\text{C}$ system. Physical Review C, 1991, 44, 306-314.	2.9	24
98	Microscopic shell-model and cluster-model calculations of the and vertex constants. Nuclear Physics A, 1997, 620, 29-45.	1.5	24
99	xmns:mml="http://www.w3.org/1998/Math/MathML">< mml:mi>Triple</mml:mi>< mml:mo>a</mml:mo>< mml:mi>\hat{I} \pm </mml:mi></mml:mml> structure and Hoyle resonance of< mml:math mathvariant="normal">C</mml:mi>< mml:mprescripts />< mml:mi>none</mml:mi>< mml:math> using the< mml:math> hyperes</mml:math>	2.9	24
100	The $^{7}\text{Be}(\hat{I} \pm, \hat{I}^3) ^{11}\text{C}$ and $^{7}\text{Li}(\hat{I} \pm, \hat{I}^3) ^{11}\text{B}$ reactions in a microscopic three-cluster model. Nuclear Physics A, 1995, 584, 532-546.	1.5	23
101	Continuum effects in the scattering of exotic nuclei. European Physical Journal A, 2012, 48, 1.	2.5	23
102	The Li-8(n, gamma)Li-9 and B-8(p, gamma)C-9 mirror reactions in a microscopic cluster model. Astrophysical Journal, 1993, 405, 518.	4.5	23
103	The 20F and 20Na NUCLEI and the $^{19}\text{Ne}(p, \hat{I}^3) ^{20}\text{Na}$ reaction in a microscopic three-cluster model. Nuclear Physics A, 1990, 517, 143-158.	1.5	22
104	One-step energy scanning of wide low-lying $1\hat{\Lambda}'$ resonances in $^{13}\text{C}+p$ and $^{13}\text{N}+p$ scattering. Nuclear Physics A, 1992, 542, 263-277.	1.5	22
105	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
106	Three-body continuum states in a microscopic cluster model. Physical Review C, 2009, 80, .	2.9	22
107	Precise calculation of the triple-< mml:math xmns:mml="http://www.w3.org/1998/Math/MathML">< mml:mi>\hat{I} \pm </mml:mi></mml:mml> reaction rates using the transmission-free complex absorbing potential method. Physical Review C, 2016, 94, .	2.9	22
108	Improved astrophysical rate for the $^{18}\text{O}(p, \hat{I} \pm) ^{15}\text{N}$ reaction by underground measurements. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 237-242.	4.1	22

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109	Microscopic investigation of the $\hat{1}\pm + 18\text{O}$ system in a three-cluster model. <i>Physical Review C</i> , 1988, 38, 2397-2407.	2.9	21
110	Accurate treatment of coulomb contribution in nucleus-nuclues bremsstrahlung. <i>Nuclear Physics A</i> , 1991, 529, 467-484.	1.5	21
111	$7\text{Li} + \text{p}$ and $7\text{Be} + \text{n}$ reactions in a microscopic three-cluster model. <i>Nuclear Physics A</i> , 1994, 573, 28-46.	1.5	21
112	The 17B nucleus in a microscopic three-cluster model. <i>Nuclear Physics A</i> , 1995, 581, 61-72.	1.5	21
113	Microscopic investigation of the 12Be spectroscopy. <i>Nuclear Physics A</i> , 2010, 836, 242-255.	1.5	21
114	Narrow states in the three-proton emitter Na^{17} . <i>Physical Review C</i> , 2010, 81, .	2.9	21
115	Resonances in 19Ne with relevance to the astrophysically important $18\text{F}(\text{p},\hat{1}\pm)15\text{O}$ reaction. <i>Physical Review C</i> , 2012, 85, .	2.9	21
116	Microscopic study of the $2\text{H}(\hat{1}\pm,\hat{1}^3)\text{Li}$ reaction in a multicluster model. <i>Physical Review C</i> , 1998, 58, 1066-1072.	2.9	20
117	Microscopic models for nuclear reaction rates. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 1993, 19, S141-S152.	3.6	19
118	R-matrix parametrizations of low-energy transfer reactions. <i>Nuclear Physics A</i> , 1998, 639, 733-747.	1.5	19
119	Higher-order multipolarities in the $16\text{O}(\text{p},\hat{1}^3)17\text{F}$ and $7\text{Be}(\text{p},\hat{1}^3)8\text{B}$ reactions. <i>Physical Review C</i> , 1999, 60, .	2.9	19
120	Microscopic cluster study of the 31Ne and 32Ne nuclei. <i>Nuclear Physics A</i> , 1999, 655, 440-449.	1.5	19
121	14Be in a Lagrange-mesh calculation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995, 356, 445-449.	4.1	18
122	Microscopic cluster model analysis of $\text{O}^{14} + \text{p}$ elastic scattering. <i>Physical Review C</i> , 2005, 72, .	2.9	18
123	Isospin symmetry in mirror $\hat{1}\pm$ decays. <i>Physical Review C</i> , 2007, 75, .	2.9	18
124	S-factor measurement of the $^{13}\text{C}(\text{p},\hat{1}^3)^{14}\text{N}$ reaction in reverse kinematics. <i>Journal of Physics: Conference Series</i> , 2010, 202, 012015.	0.4	18
125	Four-body extension of the continuum-discretized coupled-channels method. <i>Physical Review C</i> , 2018, 97, .	2.9	18
126	Microscopic three-cluster study of 21-nucleon systems. <i>Physical Review C</i> , 1993, 48, 2746-2752.	2.9	17

#	ARTICLE	IF	CITATIONS
127	Three- $\hat{\nu}\pm$ continuum states. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2010, 37, 064010.	3.6	17
128	Distortion effects in a microscopic $^{16}\text{O}+2\hat{\nu}\pm$ description of ^{24}Mg . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989, 228, 6-10.	4.1	16
129	Beta-delayed deuteron emission of ^6He in a potential model. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 1992, 18, L99-L104.	3.6	16
130	The ^{15}NF and ^{15}ONe reactions in a microscopic multicluster model. <i>Nuclear Physics A</i> , 2000, 672, 153-164.	1.5	16
131	Microscopic analysis of the $^{13}\text{C}(\hat{\nu}\pm, \text{n})^{16}\text{O}$ and $^{16}\text{O}(\text{n}, \hat{\nu}^3)^{17}\text{O}$ reactions. <i>Nuclear Physics A</i> , 2001, 694, 221-232.	1.5	16
132	Low-energy $^6\text{He}+$ reactions in a microscopic multicluster model. <i>Physical Review C</i> , 2001, 63, .	2.9	16
133	Four-body continuum effects in $^{11}\text{Be} + \text{d}$ scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 772, 1-4.	4.1	16
134	Microscopic investigation of electric dipole transitions in the $\hat{\nu}\pm + ^{16}\text{O}$ system. <i>Nuclear Physics A</i> , 1986, 459, 374-386.	1.5	15
135	Microscopic Cluster Models. <i>Lecture Notes in Physics</i> , 2012, , 1-66.	0.7	15
136	Theoretical analysis of the astrophysical S-factor for the capture reaction $\hat{\nu}\pm + \text{d} \rightarrow ^6\text{Li} + \hat{\nu}^3$ in the two-body model. <i>Physics of Atomic Nuclei</i> , 2015, 78, 193-200.	0.4	15
137	$\hat{\nu}\pm + 8\text{He}$ Elastic Scattering with the Generator-Coordinate Method. <i>Few-Body Systems</i> , 2000, 29, 131-141. Core excitations in <mml:math altimg="s11.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns: xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns: sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x	1.5	14
138	$\hat{\nu}\pm + 8\text{He}$ Elastic Scattering with the Generator-Coordinate Method. <i>Few-Body Systems</i> , 2000, 29, 131-141. Core excitations in <mml:math altimg="s11.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns: xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns: sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x	4.1	14
139	$\hat{\nu}^2$ decay of ^6Li into ^7Li and a deuteron within a three-body model. <i>Physical Review C</i> , 2006, 74, .	2.9	14
140	Evidence for core excitation in single-particle states of ^{19}Na . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 659, 864-869.	4.1	14
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