

Jesus Lubian

List of Publications by Year in descending order

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194
papers

6,004
citations

66343

42
h-index

91884

69
g-index

196
all docs

196
docs citations

196
times ranked

814
citing authors

#	ARTICLE	IF	CITATIONS
1	clean transfer in the $\langle \text{mml:math} \text{xmlns:mml=} \text{http://www.w3.org/1998/Math/MathML} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Cd} \langle / \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle / \rangle \langle \text{mml:none} \rangle$		

#	ARTICLE	IF	CITATIONS
19	Analysis of two-nucleon transfer reactions in the $^{20}\text{Ne} + ^{116}\text{Cd}$ system at 306 MeV. Physical Review C, 2020, 102, .	2.9	42
20	Recent results on heavy-ion direct reactions of interest for ^{212}Po decay at INFN - LNS. Journal of Physics: Conference Series, 2020, 1610, 012004.	0.4	0
21	Measurement and analysis of the isomeric cross section ratios for the Tc94 nucleus. Physical Review C, 2020, 102, .	2.9	0
22	The total reaction cross section of heavy-ion reactions induced by stable and unstable exotic beams: the low-energy regime. European Physical Journal A, 2020, 56, 1.	2.5	31
23	Theory of complete and incomplete fusion of weakly bound systems. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 803, 135337.	4.1	24
24	Fusion reaction studies for the $^9\text{Be} + ^{89}\text{Y}$ system at above-barrier energy. An overview of the scientific contribution of Andrea Vitturi to nuclear physics. European Physical Journal A, 2020, 56, 1.	2.9	3
25	An overview of the scientific contribution of Andrea Vitturi to nuclear physics. European Physical Journal A, 2020, 56, 1.	2.5	0
26	Theoretical analysis of $8\text{Li} + ^{208}\text{Pb}$ reaction and the critical angular momentum for complete fusion. Nuclear Physics A, 2020, 996, 121700.	1.5	6
27	Cluster Configuration Effects in the Elastic Scattering of Boron Isotopes ^{10}B , ^{11}B and ^{12}B on ^{58}Ni . Springer Proceedings in Physics, 2020, , 195-199.	0.2	2
28	Complete and incomplete fusion of ^7Li projectiles on heavy targets. Physical Review C, 2020, 102, .	2.9	14
29	The angular distributions of elastic scattering of $^{12,13}\text{C} + \text{Zr}^*$. Chinese Physics C, 2020, 44, 104003.	3.7	4
30	Analysis of the alpha-transfer reaction in the $^{12}\text{C} + ^{16}\text{O}$ system using the semi-microscopic algebraic cluster model. European Physical Journal A, 2019, 55, 1.	2.5	6
31	Two-neutron transfer in $^7\text{Be} + ^9\text{Be}$ collisions. Physical Review C, 2019, 99, .	2.9	18
32	Recent results on Heavy-Ion induced reactions of interest for ^{212}Po decay. Journal of Physics: Conference Series, 2019, 1308, 012002.	0.4	0
33	Fusion reactions in the $^9\text{Be} + ^{197}\text{Au}$ system above the Coulomb barrier. Physical Review C, 2019, 100, .	2.9	12
34	Elastic scattering and total reaction cross sections for the $^{12}\text{B} + ^{58}\text{Ni}$ system. Journal of Physics: Conference Series, 2019, 1291, 012029.	0.4	1
35	Strong coupling effect in the elastic scattering of the $^{10}\text{C} + ^{58}\text{Ni}$ system near barrier. Physical Review C, 2019, 100, .	2.9	12
36	The NUMEN project @ LNS: Status and perspectives. AIP Conference Proceedings, 2019, , .	0.4	0

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37	<p>Scattering of ^{20}Ne elastic and</p> <p>elastic scattering of ^{76}Ge system. Physical</p>	2.9	36
38	<p>elastic scattering of ^{16}O system. Physical</p> <p>elastic scattering of ^{16}O system. Physical</p>	2.9	6
39	<p>Elastic scattering of the ^{16}O system. Physical</p>	2.9	4
40	<p>Elastic scattering of the ^{12}C system at</p>	2.9	9
41	<p>Elastic scattering of the ^{18}O system at energies near the Coulomb barrier. Physical Review C, 2019, 100, .</p>	2.9	3
42	<p>Role of correlations in two-neutron transfer reactions. EPJ Web of Conferences, 2019, 223, 01035.</p>	0.3	0
43	<p>Two-Neutron Transfer in the $^{18}\text{O} + ^{28}\text{Si}$ System. Springer Proceedings in Physics, 2019, 181-183.</p>	0.2	0
44	<p>transfer cross sections for the ^{10}B system.</p>	2.9	27
45	<p>Angular distribution of elastic scattering induced by ^{18}O in the ^{10}B system.</p>	2.9	19
46	<p>Angular distribution of elastic scattering induced by ^{18}O on medium-mass target nuclei at energies near the Coulomb barrier. Physical Review C, 2018, 97, .</p>	2.9	11
47	<p>Short-range (pairing) versus long-range (collective) correlations in two-neutron transfer reactions induced by ^{18}O. Journal of Physics: Conference Series, 2018, 1056, 012035.</p>	0.4	0
48	<p>Reaction mechanisms of the $^{16}\text{O} + ^{28}\text{Si}$ system, and $^{16}\text{O} + ^{28}\text{Si}$ system.</p>	2.9	21
49	<p>Phenomenological critical interaction distance from elastic scattering measurements on a ^{208}Pb target. European Physical Journal A, 2018, 54, 1.</p>	2.5	15
50	<p>Reaction mechanisms of the $^{16}\text{O} + ^{28}\text{Si}$ system and application of a recent new reduction methodology. European Physical Journal A, 2018, 54, 1.</p>	2.9	14
51	<p>Theoretical considerations about heavy-ion fusion in potential scattering. Physical Review C, 2018, 98, .</p>	2.9	6
52	<p>Neutron pick-up in the $^{55}\text{Mn}(d, t)^{54}\text{Mn}$ reaction. European Physical Journal A, 2018, 54, 1.</p>	2.5	7
53	<p>Reaction mechanisms of the $^{16}\text{O} + ^{60}\text{Ni}$ system and application of a recent new reduction methodology. European Physical Journal A, 2018, 54, 1.</p>	2.9	4
54	<p>Total reaction cross section for the $^{11}\text{B} + ^{58}\text{Ni}$ system and application of a recent new reduction methodology. European Physical Journal A, 2018, 54, 1.</p>	2.5	4

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55	The NUMEN project: NUclear Matrix Elements for Neutrinoless double beta decay. European Physical Journal A, 2018, 54, 1. Elastic scattering, inelastic excitation, and $1n$ pick-up transfer cross sections for B	2.5	146
56	^{10}B + ^{18}O collision at 84 MeV	2.9	16
57	Microscopic cluster model for the description of new experimental results on the ^{18}O + ^{28}Si collision at 84 MeV	2.9	36
58	C		



#	ARTICLE	IF	CITATIONS
73	tron transfer analysis of the <code><math xmlns:mml="http://www.w3.org/1998/Math/MathML" ><mrow><mmultiscripts><mi mathvariant="normal">O</mi><mprescripts /></mrow></math></code>		

#	ARTICLE	IF	CITATIONS
91	Recent developments in fusion and direct reactions with weakly bound nuclei. Physics Reports, 2015, 596, 1-86.	25.6	283
92	Effects of configuration mixing in heavy-ion elastic scattering. EPJ Web of Conferences, 2014, 66, 03067.	0.3	2
93	Fusion, breakup and scattering of weakly bound nuclei. Journal of Physics: Conference Series, 2014, 533, 012029.	0.4	0
94	Elastic scattering and total reaction cross section for the Be ⁷ +Al ²⁷ system at near-barrier energies. Physical Review C, 2014, 89, .	2.9	27
95	Complete and incomplete fusion in the ${}^6\text{Be}+{}^9\text{Ta}$ system. Physical Review C, 2013, 87, .	2.9	43
96	Assessing the adequacy of the bare optical potential in near-barrier fusion calculation. European Physical Journal A, 2014, 50, 1.	2.5	10
97	Fusion, transfer and breakup of light weakly bound nuclei at near barrier energies. Journal of Physics: Conference Series, 2014, 492, 012004.	0.4	0
98	Optical model parallel description of elastic, fusion and breakup cross sections for systems with weakly bound projectiles. Journal of Physics: Conference Series, 2014, 492, 012005.	0.4	0
99	Nuclear and Coulomb breakup of the weakly bound ${}^6\text{Li}$ nucleus with targets in the range from ${}^A\text{Zr}$ to ${}^{59}\text{Ni}$. Physical Review C, 2013, 87, .	2.9	40
100	On the near-barrier fusion of the proton-halo ${}^8\text{B} + {}^{58}\text{Ni}$ system. European Physical Journal A, 2013, 49, 1.	2.5	22
101	Simultaneous χ^2 -analysis of near-barrier fusion and elastic scattering for the proton-halo system ${}^8\text{B} + {}^{58}\text{Ni}$ using dynamical Woods-Saxon polarization potentials. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 035103.	3.6	9
102	Complete fusion of weakly bound cluster-type nuclei near barrier energies. Journal of Physics: Conference Series, 2013, 436, 012022.	0.4	0
103	Breakup following neutron transfer for the ${}^7\text{Li} + {}^{144}\text{Sm}$ system. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 125105.	3.6	14
104	Study of the rainbow-like pattern in the elastic scattering of ${}^{16}\text{O}$ on ${}^{27}\text{Al}$ at $E_{\text{lab}} = 100$ MeV. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 105101.	3.6	35
105	Fusion and neutron stripping reactions in the ${}^9\text{Be}+{}^9\text{Ta}$ system. Physical Review C, 2013, 88, .	2.9	39
106	Scaling laws for near-barrier Coulomb and nuclear breakup. Physical Review C, 2013, 88, .	2.9	11
107	Quantitative analysis of two-neutron correlations in the ${}^9\text{Be}+{}^9\text{Ta}$ system. Physical Review C, 2013, 88, .		

#	ARTICLE	IF	CITATIONS
109	Effects of the polarization potential on the classical elastic scattering trajectories of $^{16}\text{O} + ^{27}\text{Al}$ at 100 MeV. , 2013, , .		1
110	The role of couplings in nuclear rainbow formation at energies far above the barrier. , 2012, , .		2
111	Complete fusion enhancement and suppression of weakly bound nuclei at near barrier energies. Journal of Physics G: Nuclear and Particle Physics, 2012, 39, 115103.	3.6	24
112	Complete fusion enhancement and suppression of weakly bound nuclei at near barrier energies. EPJ Web of Conferences, 2012, 38, 09004.	0.3	0
113	Role of Coulomb and nuclear breakups in the interaction of ^8B with ^{12}C . Nuclear Physics A, 2012, 890-891, 1-10.	1.5	18
114	Breakup coupling effects on near-barrier inelastic scattering of the weakly bound ^6Li projectile on a ^{144}Sm target. Nuclear Physics A, 2012, 873, 17-27.	1.5	12
115	Nuclear rainbow in the $^{16}\text{O}+^{27}\text{Al}$ system: The role of couplings at energies far above the barrier. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 426-429.	4.1	46
116	Elastic scattering and total reaction cross sections for the $^6\text{Li} + ^{28}\text{Si}$ system near Coulomb barrier energies. Journal of Physics: Conference Series, 2011, 322, 012008.	2.9	47
117	Woods-Saxon and São Paulo optical model calculations of the threshold anomaly of the $^6\text{Li} + ^{28}\text{Si}$ systems near Coulomb barrier energies. Journal of Physics: Conference Series, 2011, 322, 012008.	0.4	3
118	Investigation of the threshold anomaly in the near-barrier elastic scattering of ^7Li on ^{116}Sn . European Physical Journal A, 2011, 47, 1.	2.5	21
119	Challenging measurement of the $^{16}\text{O}+^{27}\text{Al}$ elastic and inelastic angular distributions up to large angles. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 648, 46-51.	1.6	39
120	Sub-barrier fusion of two-neutron halo nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 320-323.	4.1	32
121	Near-barrier quasielastic scattering as a sensitive tool to derive nuclear matter diffuseness. Physical Review C, 2011, 84, .	2.9	22
122	Breakup threshold anomaly in the near-barrier elastic scattering of $^6\text{Li} + ^{116}\text{Sn}$ system at near-Coulomb barrier energies. Physical Review C, 2011, 84, .	2.9	50
123	Breakup threshold anomaly for the $^8\text{B} + ^{58}\text{Ni}$ system at near-Coulomb barrier energies. Physical Review C, 2011, 84, .	2.9	19
124	Search for systematic behavior of incomplete-fusion probability and complete-fusion suppression induced by ^9Be on different targets. Physical Review C, 2011, 84, .	2.9	72
125	FUSION ENHANCEMENT/SUPPRESSION AND IRREVERSIBILITY IN REACTIONS INDUCED BY WEAKLY BOUND NUCLEI. International Journal of Modern Physics E, 2011, 20, 929-933.	1.0	5
126	Nuclear reaction studies with particle-gamma coincidences using the <i>Saci-Perere</i> spectrometer. Journal of Physics: Conference Series, 2010, 205, 012046.	0.4	0

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127	Calculations on the threshold anomaly of weakly bound projectiles with São Paulo and Woods-Saxon polarization potentials. Journal of Physics: Conference Series, 2010, 239, 012015.	0.4	0
128	Simultaneous analysis of near-barrier elastic scattering and fusion of $^9\text{Be} + ^{27}\text{Al}$ reaction. Physical Review C, 2010, 81, .	2.9	7
129	Total reaction cross-sections for light weakly bound systems. European Physical Journal A, 2010, 45, 23-28.	2.5	25
130	Investigation of breakup effects on $6\text{Li} + ^{144}\text{Sm}$ scattering by means of CDCC calculations. European Physical Journal A, 2010, 46, 285-289.	2.5	21
131	Probing the $6,7\text{Li}$ nucleon densities through a new break-up process approach. Nuclear Physics A, 2010, 836, 1-10.	1.5	23
132	The Threshold Anomaly of weakly bound projectiles from recent elastic scattering measurements around the Coulomb barrier. Nuclear Physics A, 2010, 833, 156-171.	1.5	31
133	Energy dependence of the optical potential of weakly and tightly bound nuclei as projectiles on a medium-mass target. Physical Review C, 2010, 81, .	2.9	77
134	Optical model calculations on the threshold anomaly for the $^6\text{Li} + ^{208}\text{Pb}$ reaction. Physical Review C, 2010, 81, .	2.9	18
135	Transfer coupling or neck formation effects on sub-barrier fusion. Physical Review C, 2010, 81, .	2.9	13
136	Continuum-continuum coupling and polarization potentials for weakly bound systems. Physical Review C, 2009, 80, .	2.9	41
137	Breakup coupling effects on near-barrier quasi-elastic scattering of $^6\text{Li} + ^{144}\text{Sm}$. Physical Review C, 2009, 80, .	2.9	40
138	Breakup effects in fusion reactions of stable weakly bound nuclei and light targets. Physical Review C, 2009, 79, .	2.9	62
139	Quasi-elastic scattering in the $^6\text{Li} + ^{208}\text{Pb}$ reaction. Physical Review C, 2009, 79, .	2.9	16
140	Near- and subbarrier elastic and quasielastic scattering of the weakly bound ^6Li projectile on ^{144}Sm . Physical Review C, 2009, 79, .	2.9	43
141	Elastic scattering of $^8\text{B} + ^{208}\text{Pb}$ reaction. Physical Review C, 2009, 79, .	2.9	84
142	Barrier distributions for weakly bound systems. Physical Review C, 2009, 80, .	2.9	2
143	Elastic scattering and total reaction cross sections for the $^8\text{Li} + ^{208}\text{Pb}$ reaction. Physical Review C, 2009, 80, .	2.9	32
144	Elastic scattering of $^9\text{Be} + ^{208}\text{Pb}$ reaction. Physical Review C, 2009, 80, .	2.9	9

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145	Disentangling static and dynamic effects of low breakup threshold in fusion reactions. Journal of Physics G: Nuclear and Particle Physics, 2009, 36, 015109.	3.6	157
146	Dynamic effects of breakup on fusion reactions of weakly bound nuclei. Nuclear Physics A, 2009, 821, 51-71.	1.5	194
147	Understanding fusion suppression and enhancement in the $^{18}\text{O} + ^{58,60,64}\text{Ni}$ systems. Nuclear Physics A, 2009, 826, 211-222.	1.5	9
148	Near-barrier fusion, breakup and scattering for the $^9\text{Be} + ^{144}\text{Sm}$ system. Nuclear Physics A, 2009, 828, 233-252.	1.5	35
149	An imaginary potential with universal normalization for dissipative processes in heavy-ion reactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 670, 330-335.	4.1	75
150	Reaction functions for weakly bound systems. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 678, 77-81.	4.1	54
151	Limitation of double folding potentials to simulate the polarization in reactions involving halo nuclei. Nuclear Physics A, 2008, 806, 146-155.	1.5	10
152	X-ray spectrometry: a powerful tool for the measurement of complete fusion of weakly bound nuclei. X-Ray Spectrometry, 2008, 37, 512-516.	1.4	1
153	Elastic scattering, fusion, and breakup for the $^9\text{Be} + ^{13}\text{C}$ system. Effect of breakup on fusion cross sections of the $^9\text{Be} + ^{13}\text{C}$ system. Nuclear Physics A, 2008, 806, 146-155.	2.9	47
154	Local approximations for polarization potentials. Physical Review C, 2008, 77, .	2.9	4
155	Threshold anomaly in the elastic scattering of ^6He on ^{209}Bi . Physical Review C, 2007, 76, .	2.9	34
156	Detailed determination of the nuclear fusion radius by a simultaneous optical model calculation of elastic scattering and fusion cross sections in reactions involving weakly bound projectiles. Physical Review C, 2007, 76, .	2.9	21
157	Breakup threshold anomaly in the elastic scattering of ^6Li on ^{27}Al . Physical Review C, 2007, 75, .	2.9	70
158	Searching for a polarization potential in the breakup of ^8B . Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 513-521.	3.6	35
159	S_α potential as a tool for calculating factors of fusion reactions in dense stellar matter. Physical Review C, 2007, 76, .	2.9	29
160	Study of the Threshold Anomaly in the Scattering of Li Isotopes on ^{27}Al . Nuclear Physics A, 2007, 787, 484-490.	1.5	29
161	Optical model analysis of elastic scattering and fusion in reactions with weakly bound projectiles around the Coulomb barrier. Nuclear Physics A, 2007, 787, 275-280.	1.5	5
162			

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163	^7Li breakup polarization potential at near barrier energies. Nuclear Physics A, 2007, 791, 24-35.	1.5	57
164	Comparison between heavy-ion reaction and fusion processes for hundreds of systems. Nuclear Physics A, 2006, 764, 135-148.	1.5	72
165	Disentangling the reaction mechanisms of weakly bound nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 634, 356-361.	4.1	53
166	$^{18}\text{O}+^{110}\text{Pd}$: Measurements and realistic coupled-channel analysis in a transitional region. Physical Review C, 2006, 74, .	2.9	12
167	Reaction dynamics of the $^{18}\text{O}+^{58}\text{Ni}$ system: A wide-ranging test. Physical Review C, 2006, 73, .	2.9	20
168	New manifestation of the dispersion relation: Breakup threshold anomaly. Physical Review C, 2006, 73, .	2.9	128
169	Absence of the threshold anomaly in the elastic scattering of the weakly bound projectile ^7Li on ^{27}Al . Physical Review C, 2006, 73, .	2.9	73
170	Comprehensive study of reaction mechanisms for the $^9\text{Be}+^{144}\text{Sm}$ system at near- and sub-barrier energies. Physical Review C, 2006, 73, .	2.9	144
171	Consistent analysis of peripheral reaction channels and fusion for the $^{16,18}\text{O}+^{58}\text{Ni}$ systems. Nuclear Physics A, 2005, 748, 59-74.	1.5	45
172	Elastic, inelastic scatterings and transfer reactions for $^{16,18}\text{O}$ on ^{58}Ni described by the São Paulo potential. Brazilian Journal of Physics, 2005, 35, 909-911.	1.4	10
173	Fusion, reaction, and breakup cross sections of ^9Be on a light mass target. Physical Review C, 2005, 71, .	2.9	68
174	Uncertainties in the comparison of fusion and reaction cross sections of different systems involving weakly bound nuclei. Physical Review C, 2005, 71, .	2.9	127
175	Effect of the breakup on the fusion and elastic scattering of weakly bound projectiles on ^{64}Zn . Physical Review C, 2005, 71, .	2.9	121
176	Fusion, break-up and elastic scattering of weakly bound nuclei. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1669-S1673.	3.6	68
177	Does the break-up process influence the fusion cross section?. Brazilian Journal of Physics, 2004, 34, 737-741.	1.4	7
178	Fusion cross section measurements for systems $^6\text{Li} + ^{27}\text{Al}, ^{64}\text{Zn}$ at near-barrier energies. Brazilian Journal of Physics, 2004, 34, 869-870.	1.4	2
179	Threshold anomaly with weakly bound projectiles: Elastic scattering of $^9\text{Be}+^{27}\text{Al}$. Physical Review C, 2004, 70, .	2.9	70
180	The Fusion of Stable Weakly Bound Nuclei. Progress of Theoretical Physics Supplement, 2004, 154, 92-100.	0.1	4

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181	How does the break-up of weakly bound nuclei influence the fusion cross section?. Nuclear Physics A, 2004, 734, 233-236.	1.5	5
182	Fusion, reaction and break-up cross sections of weakly bound projectiles on ^{64}Zn . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 601, 20-26.	4.1	110
183	Effect of breakup on the fusion of ^{6}Li , ^7Li , and ^9Be with heavy nuclei. Physical Review C, 2004, 70, .	2.9	333
184	Fusion of stable weakly bound nuclei with ^{27}Al and ^{64}Zn . Physical Review C, 2002, 66, .	2.9	69
185	No evidence of break-up effects on the fusion of ^9Be with medium-light nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 534, 45-51.	4.1	60
186	Approximations in fusion and breakup reactions induced by radioactive beams. Nuclear Physics A, 2002, 703, 633-648.	1.5	11
187	Effect of the ^{18}O nuclear density on the nuclear potentials of the $^{18}\text{O}+^{58,60}\text{Ni}$ systems. Nuclear Physics A, 2002, 707, 325-342.	1.5	34
188	Precise nuclear matter densities from heavy-ion collisions. Physical Review C, 2001, 65, .	2.9	18
189	Low-lying inelastic channel couplings versus breakup effects on the fusion cross section. Physical Review C, 2001, 64, .	2.9	35
190	The heavy-ion nuclear potential: determination of a systematic behavior at the region of surface interaction distances. Nuclear Physics A, 2001, 679, 287-303.	1.5	48
191	Fusion and elastic scattering of $^9\text{Be}+^{64}\text{Zn}$: A search of the breakup influence on these processes. Physical Review C, 2000, 61, .	2.9	107
192	Influence of the $^6,7\text{Li}$ breakup process on the near barrier elastic scattering by heavy nuclei. Physical Review C, 1999, 59, 2103-2107.	2.9	115
193	Elastic, inelastic scattering and fusion of the $^{14}\text{N}+^{59}\text{Co}$ system at energies close to the coulomb barrier. European Physical Journal A, 1998, 1, 143-149.	2.5	9
194	Elastic scattering of $^{27}\text{Al}+^{27}\text{Al}$ at near barrier energies. Physical Review C, 1998, 58, 3445-3450.	2.9	5