

# David Hinde

## List of Publications by Year in descending order

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215  
papers

9,380  
citations

31976

53  
h-index

40979

93  
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218  
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218  
docs citations

218  
times ranked

1272  
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy dependence of fission mass distributions: Mass-asymmetric standard I and standard II modes, and multichance fission. Physical Review C, 2022, 105, .	2.9	5
2	Energy dissipation and suppression of capture cross sections in heavy ion reactions. Physical Review C, 2021, 103, .	2.9	8
3	High-precision proton angular distribution measurements of $^{12}\text{C}(p,\alpha)^{9}\text{Be}$ for the determination of the $^{12}\text{C}(p,\alpha)^{9}\text{Be}$ fission cross section. Physical Review C, 2021, 104, .	2.9	2
4	Mass Equilibration and Fluctuations in the Angular Momentum Dependent Dynamics of Heavy Element Synthesis Reactions. Physical Review Letters, 2021, 127, 222501.	7.8	6
5	Systematic evidence for quasifission in $^{48}\text{Ca} + ^{209}\text{Bi}$ reactions. EPJ Web of Conferences, 2020, 232, 03007.	2.9	13
6	Systematic Study of Quasifission in $^{48}\text{Ca}$ -induced reactions. EPJ Web of Conferences, 2020, 232, 03007.	0.3	1
7	Improved precision on the experimental decay branching ratio of the Hoyle state. Physical Review C, 2020, 102, .	2.9	12
8	Search for elements 119 and 120. Physical Review C, 2020, 102, .	2.9	41
9	Mass-asymmetric fission of $^{209}\text{Bi}$ at energies close to the fission barrier using proton bombardment of $^{207}\text{Pb}$ . Physical Review C, 2019, 100, 054603.	2.9	18
10	Measuring precise fusion cross sections using an 8T superconducting solenoid. EPJ Web of Conferences, 2020, 232, 03003.	0.3	1
11	Entrance channel effects on the quasifission reaction channel in Cr + Au systems. Physical Review C, 2019, 99, .	2.9	10
12	Mechanisms Suppressing Superheavy Element Yields in Cold Fusion Reactions. Physical Review Letters, 2019, 122, 232503.	7.8	32
13	Fusion reaction $^{48}\text{Ca} + ^{249}\text{Bk}$ leading to		

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19	Interplay of charge clustering and weak binding in reactions of $^8\text{Li}$ . Physical Review C, 2018, 97, .	2.9	24
20	Exploring Zeptosecond Quantum Equilibration Dynamics: From Deep-Inelastic to Fusion-Fission Outcomes in $^8\text{Li} + ^{209}\text{Bi}$ . Physical Review C, 2018, 97, .	7.8	34
21	Investigation of different C-backings for targets. AIP Conference Proceedings, 2018, , .	0.4	1
22	Fission cross sections as a probe of fusion dynamics at high angular momentum. Physical Review C, 2018, 98, .	2.9	1
23	Nuclear structure dependence of fusion hindrance in heavy element synthesis. Physical Review C, 2018, 97, .	2.9	15
24	Interplay of spherical closed shells and N/Z asymmetry in quasifission dynamics. Physical Review C, 2018, 97, .	2.9	14
25	How the Pauli exclusion principle affects fusion of atomic nuclei. Physical Review C, 2017, 95, .	2.9	80
26	Fusion and quasifission studies for the $^{40}\text{Ca} + ^{186}\text{W}$ . Physical Review C, 2017, 95, .	2.9	21
27	Evidence for the Role of Proton Shell Closure in Quasifission Reactions from X-Ray Fluorescence of Mass-Identified Fragments. Physical Review Letters, 2017, 119, 222502.	7.8	20
28	Effect of Pauli repulsion and transfer on fusion. EPJ Web of Conferences, 2017, 163, 00055.	0.3	3
29	Challenges in describing nuclear reactions outcomes at near-barrier energies. Journal of Physics: Conference Series, 2017, 777, 012013.	0.4	0
30	Determination of Precision Fusion Cross Sections Using a High Efficiency Superconducting Solenoidal Separator. EPJ Web of Conferences, 2017, 163, 00005.	0.3	0
31	Applications of a superconducting solenoidal separator in the experimental investigation of nuclear reactions. Journal of Physics: Conference Series, 2017, 777, 012006.	0.4	0
32	First Elastic Scattering Measurement of $^8\text{Li}$ on $^{209}\text{Bi}$ at the Australian National University. EPJ Web of Conferences, 2017, 163, 00052.	0.3	0
33	Classical dynamical modelling of near-barrier breakup. EPJ Web of Conferences, 2017, 163, 00056.	0.3	2
34	Results on the Influence of Neutron-Richness on Quasifission in Intermediate Mass Reactions. , 2017, , .		0
35	Breakup locations: Intertwining effects of nuclear structure and reaction dynamics. EPJ Web of Conferences, 2016, 117, 08005.	0.3	0
36	Probing cluster structures through sub-barrier transfer reactions. EPJ Web of Conferences, 2016, 123, 03004.	0.3	0

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37	Resonances in transfer-triggered breakup of $^7\text{Li}$ in near-barrier collisions. EPJ Web of Conferences, 2016, 123, 03002.	0.3	1
38	Mass-asymmetric fission in the $^{40}\text{Ca}+^{142}\text{Nd}$ reaction. EPJ Web of Conferences, 2016, 123, 03006.	0.3	1
39	Examining the role of transfer coupling in sub-barrier fusion of $^7\text{Li}+^{208}\text{Pb}$ . Physical Review C, 2016, 94, .	2.9	22
40	Multinucleon transfer in $^{16}\text{O}+^{18}\text{F}+^{208}\text{Pb}$ reactions at energies near the fusion barrier. Physical Review C, 2016, 94, .	2.9	33
41	Disintegration locations in $^7\text{Li}+^{208}\text{Pb}$ . Physical Review C, 2016, 94, .	2.9	26
42	Exploring quasifission characteristics for $^7\text{Li}+^{208}\text{Pb}$ . Physical Review C, 2016, 94, .	2.9	26
43	Transfer-triggered breakup and near-target direct breakup of $^7\text{Li}+^{208}\text{Pb}$ . Physical Review C, 2016, 94, .	2.9	35
44	Importance of lifetime effects in breakup and suppression of complete fusion in reactions of weakly bound nuclei. Physical Review C, 2016, 93, .	2.9	37
45	Nuclear structure effects in quasifission – understanding the formation of the heaviest elements. EPJ Web of Conferences, 2016, 123, 03005.	0.3	2
46	Observation of mass-asymmetric fission of mercury nuclei in heavy ion fusion. Physical Review C, 2015, 91, .	2.9	49
47	Mapping quasifission characteristics in heavy element formation reactions. EPJ Web of Conferences, 2015, 86, 00015.	0.3	3
48	How signatures of quasifission evolve in reactions forming Curium. EPJ Web of Conferences, 2015, 86, 00063.	0.3	0
49	Fusion and quasi-fission in heavy systems with the microscopic time-dependent energy density functional theory. EPJ Web of Conferences, 2015, 86, 00062.	0.3	1
50	Comparing Experimental and Theoretical Quasifission Mass Angle Distributions. EPJ Web of Conferences, 2015, 86, 00061.	0.3	2
51	Microscopic study of the effect of intrinsic degrees of freedom on fusion. EPJ Web of Conferences, 2015, 86, 00047.	0.3	1
52	Dynamical approach to heavy ion-induced fission. EPJ Web of Conferences, 2015, 91, 00005.	0.3	0
53	Mapping from quasi-elastic scattering to fusion reactions. EPJ Web of Conferences, 2015, 86, 00014.	0.3	1
54	Recent developments of SOLEROO: Australia's first high energy radioactive Ion Beam capability. EPJ Web of Conferences, 2015, 91, 00001.	0.3	6

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55	Breakup following interactions with light targets: Investigating new methods to probe nuclear physics input to the cosmological lithium problem.. EPJ Web of Conferences, 2015, 91, 00002.	0.3	1
56	Investigating energy dissipation through nucleon transfer reactions. EPJ Web of Conferences, 2015, 91, 00010.	0.3	0
57	Experimental study of the quasifission, fusion-fission, and de-excitation of Cf compound nuclei. Physical Review C, 2015, 91, .	2.9	40
58	3D Silicon Microdosimetry and RBE Study Using $^{12}\text{C}$ Ion of Different Energies. IEEE Transactions on Nuclear Science, 2015, 62, 3027-3033.	2.0	34
59	Reduced quasifission competition in fusion reactions forming neutron-rich heavy elements. Physical Review C, 2015, 91, .	2.9	49
60	Many-body Quantum Reaction Dynamics near the Fusion Barrier. EPJ Web of Conferences, 2014, 66, 01003.	0.3	0
61	Interplay between Quantum Shells and Orientation in Quasifission. Physical Review Letters, 2014, 113, 182502.	7.8	119
62	$\langle \sigma \rangle_{\text{Ca}} \approx 48 \text{ barns}$	7.8	220
63	Mass-angle distributions. EPJ Web of Conferences, 2014, 66, 03037.	0.3	4
64	Microscopic approach to coupled-channels effects on fusion. Physical Review C, 2013, 88, .	2.9	72
65	Evolution of signatures of quasifission in reactions forming curium. Physical Review C, 2013, 88, .	2.9	54
66	Predominance of transfer in triggering breakup in sub-barrier reactions of $^6\text{Li}$ with $^{144}\text{Sm}$ . Physical Review C, 2013, 88, .	2.9	97
67	Mapping quasifission characteristics and timescales in heavy element formation reactions. Physical Review C, 2013, 88, .	2.9	130
68	(Multi-)nucleon transfer in the reactions $^{16}\text{O} + ^{32}\text{S} \rightarrow ^{208}\text{Pb}$ . Journal of Physics: Conference Series, 2013, 420, 012129.	0.4	1
69	Dynamics and Time-scales in Breakup and Fusion. Journal of Physics: Conference Series, 2013, 420, 012116.	0.4	1
70	Investigating quasi-fission dynamics through mass-angle distributions. Journal of Physics: Conference Series, 2013, 420, 012115.	0.4	8
71	Fission fragment mass distribution in the $^{13}\text{C} + ^{182}\text{W}$ and $^{176}\text{Yb}$ reactions. EPJ Web of Conferences, 2013, 63, 02017.	0.3	3
72	Long lifetime components in the decay of excited super-heavy nuclei. EPJ Web of Conferences, 2013, 63, 02011.	0.3	3

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73	Study of fusion reactions forming Cf nuclei. EPJ Web of Conferences, 2013, 63, 02015.	0.3	1
74	Developing new methods to investigate nuclear physics input to the cosmological lithium problem. EPJ Web of Conferences, 2013, 63, 03011.	0.3	2
75	Probing quantum many-body dynamics in nuclear systems. EPJ Web of Conferences, 2013, 63, 02001.	0.3	2
76	Breakup mechanisms for ${}^7\text{Li} + {}^{197}\text{Au}, {}^{204}\text{Pb}$ systems at sub-barrier energies. EPJ Web of Conferences, 2013, 63, 02004.	0.3	0
77	An Ion Beam Tracking System based on a Parallel Plate Avalanche Counter. EPJ Web of Conferences, 2013, 63, 02022.	0.3	8
78	Nuclear Reaction Dynamics Research at the Australian National University. EPJ Web of Conferences, 2013, 63, 02005.	0.3	1
79	Effects of nuclear structure in heavy element formation dynamics. AIP Conference Proceedings, 2012, , .	0.4	4
80	Time-scales and mechanisms of breakup influencing fusion. , 2012, , .		0
81	Systematic behavior of mass distributions in ${}^{48}\text{Ti}$ -induced fission at near-barrier energies. Physical Review C, 2012, 85, .	2.9	48
82	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
83	Effects of nuclear structure on quasi-fission. EPJ Web of Conferences, 2012, 38, 09001.	0.3	10
84	Dynamical approach to fusion-fission process in superheavy mass region. EPJ Web of Conferences, 2012, 35, 05001.	0.3	0
85	Complete fusion enhancement and suppression of weakly bound nuclei at near barrier energies. EPJ Web of Conferences, 2012, 38, 09004.	0.3	0
86	Applications of a 6.5T Superconducting Solenoidal Separator. EPJ Web of Conferences, 2012, 35, 05006.	0.3	0
87	Determination of the angular distribution of evaporation residues following transmission through the superconducting solenoidal separator SOLITAIRE. EPJ Web of Conferences, 2012, 35, 05003.	0.3	3
88	Quasifission and Shell Effects in Reactions Forming ${}^{266}\text{Sg}$ . EPJ Web of Conferences, 2012, 35, 05008.	0.3	1
89	Sub-barrier transfer in ${}^{16}\text{O} + {}^{208}\text{Pb}$ and ${}^{32}\text{S} + {}^{208}\text{Pb}$ and its role in understanding the suppression of fusion. EPJ Web of Conferences, 2012, 35, 05005.	0.3	1
90	Reconstructing breakup at sub-barrier energies. EPJ Web of Conferences, 2012, 35, 05007.	0.3	2

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91	Influence of entrance-channel magicity and isospin on quasi-fission. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 607-611.	4.1	103
92	A complete picture of the breakup in $6,7\text{Li}$ -induced reactions. EPJ Web of Conferences, 2011, 17, 03002.	0.3	7
93	Fusion and quasi-fission in the formation of heavy elements. EPJ Web of Conferences, 2011, 17, 04001.	0.3	14
94	(Multi-)nucleon transfer in the reactions $^{16}\text{O}, ^{32}\text{S} + ^{208}\text{Pb}$ . EPJ Web of Conferences, 2011, 17, 08003.	0.3	3
95	SOLEROO: A solenoidal exotic rare isotope separator at the Australian National University. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 631, 12-21.	1.6	20
96	Optimising conditions for production of $^6\text{He}$ , $^8\text{Li}$ , $^{10}\text{Be}$ and $^{12}\text{B}$ radioactive ion beams with the SOLEROO separator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 646, 174-183.	1.6	10
97	Insights into the mechanisms and time-scales of breakup of $6,7\text{Li}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 105-109.	4.1	124
98	Predominant Time Scales in Fission Processes in Reactions of S, Ti and Ni with W: Zeptosecond versus Attosecond. Physical Review Letters, 2011, 106, 052701.	7.8	93
99	$^{16}\text{O} + ^{16}\text{O} \rightarrow ^{16}\text{O} + ^{16}\text{O}$	2.9	54
100	COMPLETE CHARACTERIZATION OF BREAKUP OF $^9\text{Be}$ BY $\pm\pm$ COINCIDENCE MEASUREMENTS. International Journal of Modern Physics E, 2011, 20, 835-838.	1.0	3
101	Decoherence in nuclear collisions: Towards a new understanding of near Coulomb barrier nuclear reactions. , 2010, , .		0
102	SOLITAIRE: A new generation solenoidal fusion product separator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 614, 119-129.	1.6	22
103	Quantum coherence and decoherence in low energy nuclear collisions: from superposition to irreversibility. Nuclear Physics A, 2010, 834, 117c-122c.	1.5	9
104	Reaction dynamics of weakly bound nuclei at near-barrier energies. Nuclear Physics A, 2010, 834, 147c-150c.	1.5	21
105	$^9\text{Be} + ^{11}\text{B} \rightarrow ^{9\text{Be}} + ^{11\text{B}}$	2.9	35
106	Mechanisms and systematics of breakup in reactions of $^9\text{Be}$ at near-barrier energies. Physical Review C, 2010, 81, 044607.	2.9	134
107	$^9\text{Be} + ^{208}\text{Pb} \rightarrow ^{9\text{Be}} + ^{208}\text{Pb}$	2.9	52
108	Coulomb nuclear interference as a tool to investigate the nuclear potential. Physical Review C, 2010, 81, .	2.9	7



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109	Systematic study of the nuclear potential diffuseness through high precision back-angle quasi-elastic scattering. Physical Review C, 2008, 78, . Two Distinct Quasifission Modes in the $S < 32 > + < 32 > \rightarrow < 202 > + < 220 >$ Reaction. Physical Review Letters, 2008, 100, 202701.	2.9	45
110	Coupled-Channels Approach for Dissipative Quantum Dynamics in Near-Barrier Collisions. , 2009, , .		2
111	Towards a Consistent Understanding of Near-barrier Reactions. , 2009, , .		0
112	Fission and quasi-fission: insights into heavy element formation reactions. , 2009, , .		1
113	Unique capabilities of the fusion product separator SOLITAIRE. , 2009, , .		0
114	Systematic study of the nuclear potential diffuseness through high precision back-angle quasi-elastic scattering. Physical Review C, 2008, 78, . Two Distinct Quasifission Modes in the $S < 32 > + < 32 > \rightarrow < 202 > + < 220 >$ Reaction. Physical Review Letters, 2008, 100, 202701.	2.9	45
115	Entrance channel dependence of quasifission in reactions forming $Th < 220 > + < 220 >$ Reaction. Physical Review Letters, 2008, 100, 202701.	7.8	66
116	Dissipative quantum dynamics in low-energy collisions of complex nuclei. Physical Review C, 2008, 78, .	2.9	85
117	Strong evidence for quasifission in asymmetric reactions forming $Po < 202 >$ Reaction. Physical Review Letters, 2008, 100, 202701.	2.9	108
118	Disentangling Effects of Nuclear Structure in Heavy Element Formation. Physical Review Letters, 2008, 100, 202701.	7.8	59
120	Beyond the Coherent Coupled Channels Description of Nuclear Fusion. Physical Review Letters, 2007, 99, 192701.	7.8	170
121	Isotopic dependence of fusion barrier energies in reactions forming heavy elements. Physical Review C, 2007, 75, .	2.9	34
122	Probing the tail of the nuclear potential between identical nuclei with quasi-elastic Mott scattering. Physical Review C, 2007, 76, .	2.9	19
123	Relating Breakup and Incomplete Fusion of Weakly Bound Nuclei through a Classical Trajectory Model with Stochastic Breakup. Physical Review Letters, 2007, 98, 152701.	7.8	141
124	Failure of the Woods-Saxon nuclear potential to simultaneously reproduce precise fusion and elastic scattering measurements. Physical Review C, 2007, 75, .	2.9	81
125	Systematic study of the nuclear potential through high precision back-angle quasi-elastic scattering measurements. Physical Review C, 2007, 76, .	2.9	39
126	Insights into the dynamics of fusion forming heavy elements. Nuclear Physics A, 2007, 787, 176-183.	1.5	6



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127	New challenges in understanding heavy ion fusion. Nuclear Physics A, 2007, 787, 144-149.	1.5	36
128	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
129	The finite size effects in fusion of deformed nuclei at incident energies near the barrier. Physics of Atomic Nuclei, 2006, 69, 1428-1433.	0.4	1
130	Fusion near and below the Barrier: New Results and Challenges. AIP Conference Proceedings, 2006, , .	0.4	8
131	Enhancement and Suppression of Fusion in Reactions Forming Heavy Nuclei. AIP Conference Proceedings, 2006, , .	0.4	1
132	Novel Recoil Spectrometer for Characterising Nuclei Far From Stability. AIP Conference Proceedings, 2006, , .	0.4	2
133	Measurement of Fusion Excitation Functions using a Novel Superconducting Solenoid. AIP Conference Proceedings, 2006, , .	0.4	3
134	Semi-microscopic calculations of the fusion barrier distributions for reactions involving deformed target nuclei. Physical Review C, 2006, 73, .	2.9	30
135	Isomer ratio measurements as a probe of the dynamics of breakup and incomplete fusion. Physical Review C, 2006, 74, .	2.9	25
136	Comprehensive study of reaction mechanisms for the Be9+Sm144 system at near- and sub-barrier energies. Physical Review C, 2006, 73, .	2.9	144
137	A new framework to investigate the systematics of fusion probabilities in heavy element formation: Application to Th isotopes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 622, 23-28.	4.1	29
138	Fission mass widths in F19+Th232, O16+U235,238 reactions at near-barrier energies. Physical Review C, 2005, 71, .	2.9	11
139	Double folding nucleus-nucleus potential applied to heavy-ion fusion reactions. Physical Review C, 2004, 69, .	2.9	106
140	Properties of neutron emission in fission processes induced by Ne20+Tb159 and Ne20+Tm169 reactions between E=8 and 16 MeV/nucleon. Physical Review C, 2004, 70, .	2.9	9
141	Elastic scattering and fusion of Be9+Pb208: Density function dependence of the double folding renormalization. Physical Review C, 2004, 69, .	2.9	63
142	Systematic failure of the Woods-Saxon nuclear potential to describe both fusion and elastic scattering: Possible need for a new dynamical approach to fusion. Physical Review C, 2004, 70, .	2.9	204
143	Three Steps to Fusion: What Are the Questions, Where Are the Answers?. Progress of Theoretical Physics Supplement, 2004, 154, 1-10.	0.1	8
144	The Nuclear Potential in Heavy-Ion Fusion. Progress of Theoretical Physics Supplement, 2004, 154, 209-216.	0.1	29

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145	Neutron halo slips. Nature, 2004, 431, 749-751.	27.8	9
146	Importance of entrance channel dynamics on heavy element formation. Nuclear Physics A, 2004, 734, 148-155.	1.5	24
147	Fusion and breakup in the reactions of ${}^6\text{Li}$ and ${}^9\text{Be}$ . Nuclear Physics A, 2004, 738, 475-478.	1.5	24
148	Systematics of precise nuclear fusion cross sections: the need for a new dynamical treatment of fusion?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 586, 219-224.	4.1	77
149	Effect of breakup on the fusion of ${}^6\text{Li}$ , ${}^7\text{Li}$ , and ${}^9\text{Be}$ with heavy nuclei. Physical Review C, 2004, 70, .	2.9	333
150	Fusion dynamics around the Coulomb barrier. AIP Conference Proceedings, 2004, , .	0.4	0
151	Insights into the influence of breakup on fusion through reactions with weakly bound stable nuclei. Nuclear Physics A, 2003, 722, C196-C201.	1.5	1
152	Surface diffuseness of nuclear potential from heavy-ion fusion reactions. Nuclear Physics A, 2003, 722, C479-C483.	1.5	16
153	Exploratory studies towards fusion with the ${}^{16}\text{Li}$ isomer of ${}^{178}\text{Hf}$ . Physical Review C, 2003, 68, .	2.9	5
154	Fusion-fission and fusion-evaporation processes in ${}^{20}\text{Ne}+{}^{159}\text{Tb}$ and ${}^{20}\text{Ne}+{}^{169}\text{Tm}$ interactions between $E/A=8$ and 16 MeV. Physical Review C, 2003, 68, .	2.9	71
155	Breakup and transfer processes in the ${}^9\text{Be}+{}^{208}\text{Pb}$ reaction. Physical Review C, 2003, 68, .	2.9	47
156	SURFACE DIFFUSENESS ANOMALY IN HEAVY-ION FUSION POTENTIALS. , 2003, , .		2
157	Fusion Suppression and Sub-Barrier Breakup of Weakly Bound Nuclei. Physical Review Letters, 2002, 89, 272701.	7.8	129
158	Dominance of collective over proton transfer couplings in the fusion of ${}^{32}\text{S}$ and ${}^{34}\text{S}$ with ${}^{89}\text{Y}$ . Physical Review C, 2002, 66, .	2.9	46
159	Measurement of the effect of large deformation-aligned ground-state spin on fission fragment anisotropies. Physical Review C, 2002, 66, .	2.9	13
160	Fusion and breakup in the reactions of ${}^6\text{Li}$ and ${}^7\text{Li}$ nuclei with ${}^{209}\text{Bi}$ . Physical Review C, 2002, 66, .	2.9	168
161	Severe Inhibition of Fusion by Quasifission in Reactions Forming ${}^{220}\text{h}$ . Physical Review Letters, 2002, 89, 282701.	7.8	97
162	Effects of finite ground-state spin on fission fragment angular distributions following collisions with spherical or deformed nuclei. Physical Review C, 2002, 65, .	2.9	7

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163	Importance of geometrical corrections to fusion barrier calculations for deformed nuclei. Physical Review C, 2002, 65, .	2.9	17
164	Role of Entrance-channel Dynamics in Heavy Element Synthesis. Journal of Nuclear and Radiochemical Sciences, 2002, 3, 31-38.	0.7	37
165	Inhibition of fusion in mass-asymmetric collisions. AIP Conference Proceedings, 2002, , .	0.4	1
166	Absence of fusion suppression due to breakup in the $^{12}\text{C}+^7\text{Li}$ reaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 526, 295-300.	4.1	33
167	Influence of entrance channel properties on heavy-ion reaction dynamics. European Physical Journal A, 2002, 13, 149-154.	2.5	4
168	Unexpected inhibition of fusion in nucleus-nucleus collisions. Nature, 2001, 413, 144-147.	27.8	167
169	Experimental barrier distributions for the fusion of $^{12}\text{C}$ , $^{16}\text{O}$ , $^{28}\text{Si}$ , and $^{35}\text{Cl}$ with $^{92}\text{Zr}$ and coupled-channels analyses. Physical Review C, 2001, 64, .	2.9	129
170	Influence of higher-order deformations in the $^{34}\text{S}+^{168}\text{Er}$ fusion reaction. Physical Review C, 2001, 64, .	2.9	21
171	FUSION OF WEAKLY BOUND STABLE NUCLEI - WHAT CAN WE LEARN?. , 2001, , .		0
172	Memory of entrance-channel deformation for fast-fission. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 481, 160-164.	4.1	7
173	Memory of the entrance-channel distribution observed in fission at high angular momentum. Physical Review C, 2000, 62, .	2.9	28
174	Loss of memory of target nucleus deformation axis in heavy-ion fusion-fission. Physical Review C, 2000, 62, .	2.9	17
175	Fusion versus Breakup: Observation of Large Fusion Suppression for $^9\text{Be}+^{208}\text{Pb}$ . Physical Review Letters, 1999, 82, 1395-1398.	7.8	264
176	Limiting angular momentum for statistical model description of fission. Physical Review C, 1999, 60, .	2.9	48
177	Insights into nuclear reactions through fusion barrier distribution measurements. Nuclear Physics A, 1999, 654, 864c-869c.	1.5	3
178	Exploiting barrier distributions to investigate breakup effects in the fusion of $^9\text{Be}+^{208}\text{Pb}$ . Pramana - Journal of Physics, 1999, 53, 513-520.	1.8	1
179	Coupled-channels analysis of the $^{16}\text{O}+^{208}\text{Pb}$ fusion barrier distribution. Physical Review C, 1999, 60, .	2.9	193
180	Fusion excitation function measurements for the $^{16}\text{O}+^{58}\text{Ni}$ and $^{16}\text{O}+^{62}\text{Ni}$ systems. Nuclear Physics A, 1998, 628, 1-16.	1.5	44

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181	Barrier distributions as a tool to investigate fusion and fission. Nuclear Physics A, 1998, 630, 78-91.	1.5	9
182	MEASURING BARRIERS TO FUSION. Annual Review of Nuclear and Particle Science, 1998, 48, 401-461.	10.2	603
183	Comment on "Anomalous Peaklike Structure in the Fission Fragment Anisotropies at Sub-barrier Energies in $^{11}\text{B}, ^{12}\text{C}, ^{16}\text{O}, ^{19}\text{F} + ^{232}\text{Th}$ Reactions". Physical Review Letters, 1998, 81, 4777-4777.	7.8	5
184	Fusion barrier distributions "What have we learned?., 1998, , .		0
185	Importance of nonlinear couplings in fusion-barrier distributions and mean angular momenta. Journal of Physics G: Nuclear and Particle Physics, 1997, 23, 1413-1421.	3.6	13
186	Evidence of double phonon excitations in the fusion of Pb. Journal of Physics G: Nuclear and Particle Physics, 1997, 23, 1491-1496.	3.6	11
187	Validity of the linear coupling approximation in heavy-ion fusion reactions at sub-barrier energies. Physical Review C, 1997, 55, 276-284.	2.9	73
188	Adiabatic Quantum Tunneling in Heavy-Ion Sub-barrier Fusion. Physical Review Letters, 1997, 79, 2014-2017.	7.8	82
189	Precise fission fragment anisotropies for the $^{12}\text{C} + ^{232}\text{Th}$ reaction: Supporting the nuclear orientation dependence of quasifission. Physical Review C, 1997, 55, R995-R998.	2.9	64
190	Barrier distributions and scattering. Journal of Physics G: Nuclear and Particle Physics, 1997, 23, 1175-1181.	3.6	26
191	Limit to high-spin isomeric fission. Zeitschrift für Physik A, 1997, 359, 225-226.	0.9	2
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