

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
g-index

218
all docs

218
docs citations

218
times ranked

1272
citing authors

#	ARTICLE	IF	CITATIONS
1	MEASURING BARRIERS TO FUSION. Annual Review of Nuclear and Particle Science, 1998, 48, 401-461.	10.2	603
2	Barrier distributions from the fusion of oxygen ions with Sm144, 148, 154 and W186. Physical Review C, 1995, 52, 3151-3166.	2.9	357
3	Effect of breakup on the fusion of Li6, Li7, and Be9 with heavy nuclei. Physical Review C, 2004, 70, .	2.9	333
4	Neutron emission as a probe of fusion-fission and quasifission dynamics. Physical Review C, 1992, 45, 1229-1259.	2.9	331
5	Fusion versus Breakup: Observation of Large Fusion Suppression for 9Be+208Pb. Physical Review Letters, 1999, 82, 1395-1398.	7.8	264
6	$\langle \sigma_{\text{fusion}} \rangle = \langle \sigma_{\text{fusion}} \rangle_{\text{Ca}} + \langle \sigma_{\text{fusion}} \rangle_{\text{breakup}}$	7.8	220
7	Fusion-Fission versus Quasifission: Effect of Nuclear Orientation. Physical Review Letters, 1995, 74, 1295-1298.	7.8	217
8	Conclusive evidence for the influence of nuclear orientation on quasifission. Physical Review C, 1996, 53, 1290-1300.	2.9	215
9	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
10	Coupled-channels analysis of the 16O+208Pb fusion barrier distribution. Physical Review C, 1999, 60, .	2.9	193
11	Probing fusion barrier distributions with quasi-elastic scattering. Nuclear Physics A, 1995, 584, 190-204.	1.5	173
12	Beyond the Coherent Coupled Channels Description of Nuclear Fusion. Physical Review Letters, 2007, 99, 192701.	7.8	170
13	Fusion and breakup in the reactions of 6Li and 7Li nuclei with 209Bi. Physical Review C, 2002, 66, .	2.9	168
14	Unexpected inhibition of fusion in nucleus-nucleus collisions. Nature, 2001, 413, 144-147.	27.8	167
15	Comprehensive study of reaction mechanisms for the Be9+Sm144 system at near- and sub-barrier energies. Physical Review C, 2006, 73, .	2.9	144
16	Experimental determination of the fusion-barrier distribution for the Sm154+16O reaction. Physical Review Letters, 1991, 67, 3368-3371.	7.8	142
17	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
18	Mechanisms and systematics of breakup in reactions of ^9Be at near-barrier energies. Physical Review C, 2010, 81, .	2.9	134

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19	Mapping quasifission characteristics and timescales in heavy element formation reactions. Physical Review C, 2013, 88, .	2.9	130
20	Systematics of fusion-fission time scales. Physical Review C, 1989, 39, 2268-2284.	2.9	129
21	Experimental barrier distributions for the fusion of ^{12}C , ^{16}O , ^{28}Si , and ^{35}Cl with ^{92}Zr and coupled-channels analyses. Physical Review C, 2001, 64, .	2.9	129
22	Fusion Suppression and Sub-Barrier Breakup of Weakly Bound Nuclei. Physical Review Letters, 2002, 89, 272701.	7.8	129
23	Insights into the mechanisms and time-scales of breakup of ^6Li . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 105-109.	4.1	124
24	Interplay between Quantum Shells and Orientation in Quasifission. Physical Review Letters, 2014, 113, 182502.	7.8	119
25	Strong evidence for quasifission in asymmetric reactions forming ^{202}Po . Physical Review C, 2000, 77, .	2.9	108
26	Double folding nucleus-nucleus potential applied to heavy-ion fusion reactions. Physical Review C, 2004, 69, .	2.9	106
27	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
28	Resolution of the anomalous fission fragment anisotropies for the $^{16}\text{O}+^{208}\text{Pb}$ reaction. Physical Review C, 1995, 52, 243-251.	2.9	101
29	Severe Inhibition of Fusion by Quasifission in Reactions Forming ^{220}h . Physical Review Letters, 2002, 89, 282701.	7.8	97
30	Predominance of transfer in triggering breakup in sub-barrier reactions of ^6Li with ^{144}Sm . Physical Review Letters, 1994, 72, 4074-4077.	2.9	97
31	Clear signatures of specific inelastic and transfer channels in the distribution of fusion barriers. Physical Review Letters, 1994, 72, 4074-4077.	7.8	95
32	Suppression of complete fusion due to breakup in the reactions $^{10}\text{B}+^{11}\text{B}$. Physical Review Letters, 2009, 209, .	2.9	93
33	Dominant 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
34	Entrance channel dependence of quasifission in reactions forming ^{220}Th . Physical Review C, 2008, 77, .	2.9	85
35	Adiabatic Quantum Tunneling in Heavy-Ion Sub-barrier Fusion. Physical Review Letters, 1997, 79, 2014-2017.	7.8	82
36	Failure of the Woods-Saxon nuclear potential to simultaneously reproduce precise fusion and elastic scattering measurements. Physical Review C, 2007, 75, .	2.9	81

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37	Influence of pre-fission particle emission on fragment angular distributions studied for Pb208(16O,f). Physical Review C, 1992, 45, 719-725.	2.9	80
38	How the Pauli exclusion principle affects fusion of atomic nuclei. Physical Review C, 2017, 95, .	2.9	80
39	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
40	Reconciling deformation parameters from fusion with those from Coulomb excitation. Physical Review C, 1993, 47, R437-R440.	2.9	74
41	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
42	Microscopic approach to coupled-channels effects on fusion. Physical Review C, 2013, 88, .	2.9	72
43	Fusion-fission and fusion-evaporation processes in $^{20}\text{Ne}+^{159}\text{Tm}$ and $^{20}\text{Ne}+^{169}\text{Tm}$ interactions between $E/A=8$ and 16 MeV. Physical Review C, 2003, 68, .	2.9	71
44	Analysis of pre- and post-scission neutrons emitted in the reaction $\text{Tm}169(36\text{Ar},f)$ at $E_{\text{lab}}=205\text{MeV}$. Physical Review C, 1989, 40, 2629-2640.	2.9	70
45	Two distinct quasifission modes in the $^{12}\text{C}+^{232}\text{Th}$ reaction. Physical Review Letters, 2008, 101, 092701.	7.8	66
46	Fission time scales from pre-scission charged-particle multiplicities. Physical Review Letters, 1991, 67, 1078-1081.	7.8	65
47	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
48	Elastic scattering and fusion of $\text{Be}9+\text{Pb}208$: Density function dependence of the double folding renormalization. Physical Review C, 2004, 69, .	2.9	63
49	Disentangling Effects of Nuclear Structure in Heavy Element Formation. Physical Review Letters, 2008, 100, 202701.	7.8	59
50	Competition between fusion-fission and quasi-fission in the reaction $^{28}\text{Si}+^{208}\text{Pb}$. Nuclear Physics A, 1995, 592, 271-289.	1.5	54
51	Evolution of signatures of quasifission in reactions forming curium. Physical Review C, 2013, 88, .	2.9	54
52	Evolution of signatures of quasifission in reactions forming curium. Physical Review C, 2013, 88, .	2.9	54
53	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
54	Dissipative quantum dynamics in low-energy collisions of complex nuclei. Physical Review C, 2008, 78, .	2.9	52

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55	Suppression of fusion by breakup: Resolving the discrepancy between the reactions of ${}^9\text{Be} + {}^{208}\text{Pb}$ and ${}^{208}\text{Pb} + {}^9\text{Be}$. Physical Review C, 2015, 91, .	2.9	52
56	Observation of mass-asymmetric fission of mercury nuclei in heavy ion fusion. Physical Review C, 2015, 91, .	2.9	49
57	Reduced quasifission competition in fusion reactions forming neutron-rich heavy elements. Physical Review C, 2015, 91, .	2.9	49
58	Limiting angular momentum for statistical model description of fission. Physical Review C, 1999, 60, .	2.9	48
59	Systematic behavior of mass distributions in ${}^{48}\text{Ti}$ -induced fission at near-barrier energies. Physical Review C, 2012, 85, .	2.9	48
60	Breakup and transfer processes in the ${}^9\text{Be} + {}^{208}\text{Pb}$ reaction. Physical Review C, 2003, 68, .	2.9	47
61	Neutron Emission from Fission Fragments during Acceleration. Physical Review Letters, 1984, 52, 986-989.	7.8	46
62	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
63	Systematic study of the nuclear potential diffuseness through high precision back-angle quasi-elastic scattering. Physical Review C, 2008, 78, .	2.9	45
64	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
65	Origins of Incomplete Fusion Products and the Suppression of Complete Fusion in Reactions of ${}^7\text{Li} + {}^{208}\text{Pb}$. Physical Review Letters, 2019, 122, 102501.	7.8	44
66	Search for elements 119 and 120. Physical Review C, 2020, 102, .	2.9	41
67	Experimental study of the quasifission, fusion-fission, and de-excitation of Cf compound nuclei. Physical Review C, 2015, 91, .	2.9	40
68	Systematic study of the nuclear potential through high precision back-angle quasi-elastic scattering measurements. Physical Review C, 2007, 76, .	2.9	39
69	Role of Entrance-channel Dynamics in Heavy Element Synthesis. Journal of Nuclear and Radiochemical Sciences, 2002, 3, 31-38.	0.7	37
70	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
71	New challenges in understanding heavy ion fusion. Nuclear Physics A, 2007, 787, 144-149.	1.5	36
72	Sub-barrier quasifission in heavy element formation reactions with deformed actinide target nuclei. Physical Review C, 2018, 97, .	2.9	36

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73	Asymptotic and near-target direct breakup of ^{11}C and ^{12}C isotopes. Physical Review C, 2007, 75, .	2.9	35
74	Isotopic dependence of fusion barrier energies in reactions forming heavy elements. Physical Review C, 2007, 75, .	2.9	34
76	3D Silicon Microdosimetry and RBE Study Using ^{12}C Ion of Different Energies. IEEE Transactions on Nuclear Science, 2015, 62, 3027-3033.	2.0	34
77	Outcomes in ^{58}Ni and ^{60}Ni reactions. Physical Review Letters, 2002, 88, 252701.	7.8	34
78	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
79	Multinucleon transfer in $^{16}\text{O}, ^{18}\text{F}, ^{19}\text{F}+^{208}\text{Pb}$ reactions at energies near the fusion barrier. Physical Review C, 2016, 94, .	2.9	33
80	Mechanisms Suppressing Superheavy Element Yields in Cold Fusion Reactions. Physical Review Letters, 2019, 122, 232503.	7.8	32
81	Semi-microscopic calculations of the fusion barrier distributions for reactions involving deformed target nuclei. Physical Review C, 2006, 73, .	2.9	30
82	The Nuclear Potential in Heavy-Ion Fusion. Progress of Theoretical Physics Supplement, 2004, 154, 209-216.	0.1	29
83	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
84	Memory of the entrance-channel distribution observed in fission at high angular momentum. Physical Review C, 2000, 62, .	2.9	28
85	Barrier distributions and scattering. Journal of Physics G: Nuclear and Particle Physics, 1997, 23, 1175-1181.	3.6	26
86	Disintegration locations in ^{12}C and ^{13}C isotopes. Physical Review Letters, 2002, 88, 252701.	2.9	26
87	Fusion reaction $^{34}\text{S}+^{208}\text{Pb}$. Physical Review Letters, 2002, 88, 252701.	2.9	26
88	Fusion reaction $^{48}\text{Ca}+^{249}\text{Bk}$ leading to		

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91	Fusion and breakup in the reactions of 6,7Li and 9Be. Nuclear Physics A, 2004, 738, 475-478.	1.5	24
92	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
93	Interplay of charge clustering and weak binding in reactions of ^8Li . Physical Review C, 2018, 97, .	2.9	24
94	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
95	Transfer coupling in sub-barrier fusion of ^4Ti . Physical Review C, 2016, 94, .	2.9	22
96	Influence of higher-order deformations in the $^{34}\text{S}+^{168}\text{Er}$ fusion reaction. Physical Review C, 2001, 64, .	2.9	21
97	Reaction dynamics of weakly bound nuclei at near-barrier energies. Nuclear Physics A, 2010, 834, 147c-150c.	1.5	21
98	Fusion and quasifission studies for the $^{40}\text{Ca}+^{186}\text{W}$. Physical Review Letters, 2019, 123, 012701.	2.9	21
99	Fission-Imposed Limits to the Angular Momentum Carried by Evaporation Residues from the Compound Nucleus Pb^{200} . Physical Review Letters, 1982, 48, 527-530.	7.8	20
100	Observation of sub-barrier fusion enhancement due to negative hexadecapole deformations?. Journal of Physics G: Nuclear Physics, 1988, 14, L55-L60.	0.8	20
101	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
102	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
103	Probing the tail of the nuclear potential between identical nuclei with quasi-elastic Mott scattering. Physical Review C, 2007, 76, .	2.9	19
104	Mass-asymmetric fission of ^{205}Bi at energies close to the fission barrier using proton bombardment of ^{207}Pb . Physical Review Letters, 2019, 123, 012701.	2.9	18
105	Pre-scission neutron multiplicity following the $^{16}\text{O}+^{142}\text{Nd}$ reaction. Physical Review C, 1988, 37, 2923-2926.	2.9	17
106	Loss of memory of target nucleus deformation axis in heavy-ion fusion-fission. Physical Review C, 2000, 62, .	2.9	17
107	Importance of geometrical corrections to fusion barrier calculations for deformed nuclei. Physical Review C, 2002, 65, .	2.9	17
108	Neutron Emission from Fission Fragments during Acceleration. Physical Review Letters, 1984, 53, 2275-2275.	7.8	16

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109	Surface diffuseness of nuclear potential from heavy-ion fusion reactions. Nuclear Physics A, 2003, 722, C479-C483.	1.5	16
110	Nuclear structure dependence of fusion hindrance in heavy element synthesis. Physical Review C, 2018, 97, .	2.9	15
111	Fusion and quasi-fission in the formation of heavy elements. EPJ Web of Conferences, 2011, 17, 04001.	0.3	14
112	Interplay of spherical closed shells and N/Z asymmetry in quasifission dynamics. Physical Review C, 2018, 97, .	2.9	14
113	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
114	Measurement of the effect of large deformation-aligned ground-state spin on fission fragment anisotropies. Physical Review C, 2002, 66, .	2.9	13
115	SOI Thin Microdosimeter Detectors for Low-Energy Ions and Radiation Damage Studies. IEEE Transactions on Nuclear Science, 2019, 66, 320-326.	2.0	13
116	Systematic evidence for quasifission in $^{12}\text{C} + ^{20}\text{Ne}$ reactions. Physical Review C, 2018, 97, .	2.9	13
117	Capture cross sections for the synthesis of new heavy nuclei using radioactive beams. Physical Review C, 2018, 97, .	2.9	12
118	Improved precision on the experimental α decay branching ratio of the Hoyle state. Physical Review C, 2020, 102, .	2.9	12
119	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
120	Fission mass widths in $^{19}\text{F} + ^{232}\text{Th}$, $^{16}\text{O} + ^{235}\text{U}$, ^{238}U reactions at near-barrier energies. Physical Review C, 2005, 71, .	2.9	11
121	Optimising conditions for production of ^6He , ^8Li , ^{10}Be and ^{12}B radioactive ion beams with the SOLEREO separator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 646, 174-183.	1.6	10
122	Effects of nuclear structure on quasi-fission. EPJ Web of Conferences, 2012, 38, 09001.	0.3	10
123	Entrance channel effects on the quasifission reaction channel in $\text{Cr} + \text{AW}$ systems. Physical Review C, 2019, 99, .	2.9	10
124	Barrier distributions as a tool to investigate fusion and fission. Nuclear Physics A, 1998, 630, 78-91.	1.5	9
125	Properties of neutron emission in fission processes induced by $^{20}\text{Ne} + ^{159}\text{Tb}$ and $^{20}\text{Ne} + ^{169}\text{Tm}$ reactions between $E = 8$ and $16 \text{ MeV} \cdot \text{nucleon}$. Physical Review C, 2004, 70, .	2.9	9
126	Neutron halo slips. Nature, 2004, 431, 749-751.	27.8	9

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127	Quantum coherence and decoherence in low energy nuclear collisions: from superposition to irreversibility. Nuclear Physics A, 2010, 834, 117c-122c.	1.5	9
128	Recoil effects of neutrons evaporated in fusion-fission reactions. Physical Review C, 1991, 43, 2434-2435.	2.9	8
129	Three Steps to Fusion: What Are the Questions, Where Are the Answers?. Progress of Theoretical Physics Supplement, 2004, 154, 1-10.	0.1	8
130	Fusion near and below the Barrier: New Results and Challenges. AIP Conference Proceedings, 2006, , .	0.4	8
131	Investigating quasi-fission dynamics through mass-angle distributions. Journal of Physics: Conference Series, 2013, 420, 012115.	0.4	8
132	An Ion Beam Tracking System based on a Parallel Plate Avalanche Counter. EPJ Web of Conferences, 2013, 63, 02022.	0.3	8
133	Energy dissipation and suppression of capture cross sections in heavy ion reactions. Physical Review C, 2021, 103, .	2.9	8
134	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
135	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
136	Coulomb nuclear interference as a tool to investigate the nuclear potential. Physical Review C, 2010, 81, .	2.9	7
137	A complete picture of the breakup in $^6,7\text{Li}$ -induced reactions. EPJ Web of Conferences, 2011, 17, 03002.	0.3	7
138	Correlated oscillations in the excitation functions of deep-inelastic collisions: evidence for nuclear pulsars?. Zeitschrift für Physik A, 1997, 359, 263-270.	0.9	6
139	Insights into the dynamics of fusion forming heavy elements. Nuclear Physics A, 2007, 787, 176-183.	1.5	6
140	Recent developments of SOLEROO: Australia's first high energy radioactive Ion Beam capability. EPJ Web of Conferences, 2015, 91, 00001.	0.3	6
141	Fusion and Quasifission in Superheavy Element Synthesis. Nuclear Physics News, 2018, 28, 13-19.	0.4	6
142	Mass Equilibration and Fluctuations in the Angular Momentum Dependent Dynamics of Heavy Element Synthesis Reactions. Physical Review Letters, 2021, 127, 222501.	7.8	6
143	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
144	Exploratory studies towards fusion with the $^{16}\text{+}$ -isomer of Hf^{178} . Physical Review C, 2003, 68, .	2.9	5

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145	Energy dependence of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{p} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:mmultiscript} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mn} \rangle 232 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ fission mass distributions: Mass-asymmetric standard I and standard II modes, and multichance fission. Physical Review C, 2022, 105, .	2.9	5
146	Influence of entrance channel properties on heavy-ion reaction dynamics. European Physical Journal A, 2002, 13, 149-154.	2.5	4
147	Effects of nuclear structure in heavy element formation dynamics. AIP Conference Proceedings, 2012, , .	0.4	4
148	Mass-angle distributions. EPJ Web of Conferences, 2014, 66, 03037.	0.3	4
149	Insights into nuclear reactions through fusion barrier distribution measurements. Nuclear Physics A, 1999, 654, 864c-869c.	1.5	3
150	Measurement of Fusion Excitation Functions using a Novel Superconducting Solenoid. AIP Conference Proceedings, 2006, , .	0.4	3
151	(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
152	COMPLETE CHARACTERIZATION OF BREAKUP OF ^9Be BY $\hat{I}_{\pm} - \hat{I}_{\pm}$ COINCIDENCE MEASUREMENTS. International Journal of Modern Physics E, 2011, 20, 835-838.	1.0	3
153	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
154	Fission fragment mass distribution in the $^{13}\text{C} + ^{182}\text{W}$ and ^{176}Yb reactions. EPJ Web of Conferences, 2013, 63, 02017.	0.3	3
155	Long lifetime components in the decay of excited super-heavy nuclei. EPJ Web of Conferences, 2013, 63, 02011.	0.3	3
156	Mapping quasifission characteristics in heavy element formation reactions. EPJ Web of Conferences, 2015, 86, 00015.	0.3	3
157	Effect of Pauli repulsion and transfer on fusion. EPJ Web of Conferences, 2017, 163, 00055.	0.3	3
158	Angular momentum distribution in heavy ion fusion reactions. Physical Review C, 1987, 35, 828-831.	2.9	2
159	Mass distribution of fission fragments in the $^{19}\text{F} + ^{197}\text{Au}$ reaction. Zeitschrift für Physik A, Atomic Nuclei, 1988, 330, 289-293.	0.3	2
160	Limit to high-spin isomeric fission. Zeitschrift für Physik A, 1997, 359, 225-226.	0.9	2
161	Novel Recoil Spectrometer for Characterising Nuclei Far From Stability. AIP Conference Proceedings, 2006, , .	0.4	2
162	Coupled-Channels Approach for Dissipative Quantum Dynamics in Near-Barrier Collisions. , 2009, , .		2

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163	Reconstructing breakup at sub-barrier energies. EPJ Web of Conferences, 2012, 35, 05007.	0.3	2
164	Developing new methods to investigate nuclear physics input to the cosmological lithium problem. EPJ Web of Conferences, 2013, 63, 03011.	0.3	2
165	Probing quantum many-body dynamics in nuclear systems. EPJ Web of Conferences, 2013, 63, 02001.	0.3	2
166	Comparing Experimental and Theoretical Quasifission Mass Angle Distributions. EPJ Web of Conferences, 2015, 86, 00061.	0.3	2
167	Nuclear structure effects in quasifission – understanding the formation of the heaviest elements. EPJ Web of Conferences, 2016, 123, 03005.	0.3	2
168	High-precision proton angular distribution measurements of C^{12} for the determination of the C^{12} $\sigma_{p,0}$ cross section. Physical Review C, 2021, 104, 054602.	2.9	2
169	Classical dynamical modelling of near-barrier breakup. EPJ Web of Conferences, 2017, 163, 00056.	0.3	2
170	SURFACE DIFFUSENESS ANOMALY IN HEAVY-ION FUSION POTENTIALS. , 2003, , .		2
171	Fusion barrier distributions and fission anisotropies. Nuclear Physics A, 1995, 583, 135-139.	1.5	1
172	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
173	Inhibition of fusion in mass-asymmetric collisions. AIP Conference Proceedings, 2002, , .	0.4	1
174	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
175	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
176	Enhancement and Suppression of Fusion in Reactions Forming Heavy Nuclei. AIP Conference Proceedings, 2006, , .	0.4	1
177	Fission and quasi-fission: insights into heavy element formation reactions. , 2009, , .		1
178	Quasifission and Shell Effects in Reactions Forming ^{266}Sg . EPJ Web of Conferences, 2012, 35, 05008.	0.3	1
179	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
180	(Multi-)nucleon transfer in the reactions $^{16}\text{O}+^3\text{S}+^{208}\text{Pb}$. Journal of Physics: Conference Series, 2013, 420, 012129.	0.4	1

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181	Dynamics and Time-scales in Breakup and Fusion. Journal of Physics: Conference Series, 2013, 420, 012116.	0.4	1
182	Study of fusion reactions forming Cf nuclei. EPJ Web of Conferences, 2013, 63, 02015.	0.3	1
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