

Kouichi Hagino

List of Publications by Year in descending order

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200
papers

6,280
citations

81900

39
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76900

74
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200
all docs

200
docs citations

200
times ranked

1816
citing authors

#	ARTICLE	IF	CITATIONS
1	Generator coordinate method for transition-state dynamics in nuclear fission. <i>Physical Review C</i> , 2022, 105, .	2.9	4
2	Diabatic Hamiltonian matrix elements made simple. <i>Physical Review C</i> , 2022, 105, .	2.9	2
3	Microscopic description of cluster decays based on the generator coordinate method. <i>Physical Review C</i> , 2022, 105, .	2.9	2
4	Coupled-channels calculations for nuclear reactions: From exotic nuclei to superheavy elements. <i>Progress in Particle and Nuclear Physics</i> , 2022, 125, 103951.	14.4	29
5	Applications of the dynamical generator coordinate method to quadrupole excitations. <i>Physical Review C</i> , 2022, 105, .	2.9	2
6	Probing Optimal Reaction Energy for Synthesis of Element 119 from $^{51}\text{V} + ^{248}\text{Cm}$ Reaction with Quasielastic Barrier Distribution Measurement. <i>Journal of the Physical Society of Japan</i> , 2022, 91, .	1.6	9
7	Three related topics on the periodic tables of elements. <i>Foundations of Chemistry</i> , 2021, 23, 201-214.	1.1	3
8	Fusion reaction of a weakly bound nucleus with a deformed target. <i>Physical Review C</i> , 2021, 103, .	2.9	9
9	Generator coordinate method with a conjugate momentum: Application to particle number projection. <i>Physical Review C</i> , 2021, 103, .	2.9	6
10	Role of triaxiality in deformed halo nuclei. <i>Physical Review C</i> , 2021, 104, .	2.9	4
11	Heavy-ion fusion reactions at extreme sub-barrier energies. <i>European Physical Journal A</i> , 2021, 57, 1.	2.5	42
12	On deformability of atoms—comparative study between atoms and atomic nuclei. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2021, 54, 165201.	1.5	3
13	Semi-classical approaches to heavy-ion reactions: fusion, rainbow, and glory. <i>European Physical Journal A</i> , 2021, 57, 1.	2.5	3
14	Transition-State Dynamics in Complex Quantum Systems. <i>Journal of the Physical Society of Japan</i> , 2021, 90, .	1.6	6
15	Porter-Thomas fluctuations in complex quantum systems. <i>Physical Review E</i> , 2021, 104, L052104.	2.1	4
16	A new approach for open quantum systems based on a phonon number representation of a harmonic oscillator bath. <i>Annals of Physics</i> , 2020, 412, 168005.	2.8	8
17	Least action and the maximum-coupling approximations in the theory of spontaneous fission. <i>Physical Review C</i> , 2020, 102, .	2.9	6
18	Time-dependent generator coordinate method for many-particle tunneling. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 808, 135693.	4.1	4

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19	A nuclear periodic table. Foundations of Chemistry, 2020, 22, 267-273.	1.1	2
20	Halo Structure of the Neutron-Dripline Nucleus B_{19} . Physical Review Letters, 2020, 124, 212503.	7.8	43
21	Resonance width for a particle-core coupling model with a square-well potential. Progress of Theoretical and Experimental Physics, 2020, 2020, .	6.6	3
22	Microscopic model for spontaneous fission: Validity of the adiabatic approximation. Physical Review C, 2020, 101, .	2.9	6
23	Study of Quasielastic Barrier Distributions as a Step towards the Synthesis of Superheavy Elements with Hot Fusion Reactions. Physical Review Letters, 2020, 124, 052502.	7.8	19
24	An overview of the scientific contribution of Andrea Vitturi to nuclear physics. European Physical Journal A, 2020, 56, 1.	2.5	0
25	Time-Dependent Approaches to Open Quantum Systems. Frontiers in Physics, 2020, 8, .	2.1	5
26	Determination of hexadecapole (\hat{I}^{24}) deformation of the light-mass nucleus ^{24}Mg using quasi-elastic scattering measurements. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 806, 135473.	4.1	18
27	Future of nuclear fission theory. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 113002.	3.6	105
28	Relativistic mean-field and beyond approaches for deformed hypernuclei. AIP Conference Proceedings, 2019, , .	0.4	2
29	Dissipation and tunneling in heavy-ion reactions near the Coulomb barrier. Physical Review C, 2019, 100, .	2.9	9
30	Sub-barrier fusion involving odd mass nuclei: The case of $^{36}\text{S} + ^{50}\text{Ti}$, ^{51}V . European Physical Journal A, 2019, 55, 1.	2.5	7
31	Potential model for nuclear astrophysical fusion reactions with a square-well potential. Physical Review C, 2019, 99, .	2.9	6
32	Time-dependent Hartree-Fock plus Langevin approach for hot fusion reactions to synthesize the superheavy element. Physical Review C, 2019, 99, .	2.9	30
33	Subbarrier fusion reactions of an aligned deformed nucleus. Physical Review C, 2019, 100, .	2.9	6
34	Coupled-channels analyses for $^9\text{Li} + ^{208}\text{Pb}$ fusion reactions with multi-neutron transfer couplings. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 455-460.	4.1	9
35	Determination of Fusion Barrier Distributions from Quasielastic Scattering Cross Sections towards Superheavy Nuclei Synthesis. Journal of the Physical Society of Japan, 2018, 87, 014201.	1.6	19
36	Origin of a maximum of the astrophysical S factor in heavy-ion fusion reactions at deep subbarrier energies. Physical Review C, 2018, 97, .	2.9	5

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37	Branching ratios for de-excitation processes of daughter nuclei following invisible dinucleon decays in ^{16}O . Journal of Physics G: Nuclear and Particle Physics, 2018, 45, 105105.	3.6	2
38	Disappearance of nuclear deformation in hypernuclei: A perspective from a beyond-mean-field study. Physical Review C, 2018, 97, .	2.9	16
39	Hot fusion reactions with deformed nuclei for synthesis of superheavy nuclei: An extension of the fusion-by-diffusion model. Physical Review C, 2018, 98, .	2.9	29
40	Role of hexadecapole deformation of projectile ^{28}Si in heavy-ion fusion reactions near the Coulomb barrier. Physical Review C, 2018, 97, .	2.9	6
41	Estimation for Synthesis of Superheavy Elements. , 2018, , .		1
42	New concept for the pairing anti-halo effect as a localized wave packet of quasiparticles. Physical Review C, 2017, 95, .	2.9	5
43	Transition from vibrational to rotational character in low-lying states of hypernuclei. Physical Review C, 2017, 96, .	2.9	6
44	New and efficient method for solving the eigenvalue problem for the two-center shell model with finite-depth potentials. Physical Review C, 2017, 95, .	2.9	0
45	Quantum tunneling with friction. Physical Review C, 2017, 95, .	2.9	12
46	Applicability of the Wong formula for fusion cross sections from light to heavy systems. Physical Review C, 2017, 95, .	2.9	5
47	Role of deformation in odd-even staggering in reaction cross sections for ^{30}Ne and ^{31}Ne . Physical Review C, 2017, 95, .	2.9	15
48	Generator coordinate method for hypernuclear spectroscopy with a covariant density functional. Physical Review C, 2016, 93, .	2.9	23
49	Decay dynamics of the unbound ^{25}O and ^{26}O . Physical Review C, 2016, 93, .	2.9	23
50	Low-energy hypernuclear spectra within a microscopic particle-rotor model with a relativistic point-coupling hyperon-nucleon interaction. Physical Review C, 2016, 93, .	2.9	12
51	Anharmonicity of multi- $\hbar\omega$ octupole-phonon excitations in ^{208}Pb : Analysis with multireference covariant density functional theory and subbarrier fusion of $^{16}\text{O}+^{208}\text{Pb}$. Physical Review C, 2016, 94, .	2.9	13
52	Evolution of fusion hindrance for asymmetric systems at deep sub-barrier energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 332-336.	4.1	25
53	Structure of hypernuclei in relativistic approaches. International Review of Nuclear Physics, 2016, , 263-303.	1.0	7
54	Are There Good Probes for the Di-Neutron Correlation in Light Neutron-Rich Nuclei?. Few-Body Systems, 2016, 57, 185-193.	1.5	14

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55	Quasi-elastic barrier distributions for the $^{20}\text{Ne} + ^{20}\text{Ni}$ system. Physical Review C, 2015, 92, .	2.9	11
56	Influence of vibrational excitation on surface diffuseness of the internuclear potential: Study through heavy-ion quasielastic scattering at deep sub-barrier energies. Physical Review C, 2015, 92, .	2.9	0
57	Coupled-channels description of multinucleon transfer and fusion reactions at energies near and far below the Coulomb barrier. Physical Review C, 2015, 92, .	2.9	18
58	Enhancement factor for two-neutron transfer reactions with a schematic coupled-channels model. Physical Review C, 2015, 92, .	2.9	4
59	Microscopic study of low-lying spectra of hypernuclei based on a beyond-mean-field approach with a covariant energy density functional. Physical Review C, 2015, 91, .	2.9	30
60	Semimicroscopic modeling of heavy-ion fusion reactions with multireference covariant density functional theory. Physical Review C, 2015, 91, .	2.9	11
61	Analysis of Charge Changing Cross Sections with the Glauber-Abrasion-Ablation Model. , 2015, , .		1
62	Three-dimensional mesh calculations for covariant density functional theory. AIP Conference Proceedings, 2015, , .	0.4	0
63	Pairing interaction and reaction mechanism for one- and two-particle transfer reactions: A simple model in one dimension. AIP Conference Proceedings, 2015, , .	0.4	6
64	Covariant Density Functional Calculations in the 3-Dimensional Coordinate-Space Representation. , 2015, , .		0
65	Mapping from quasi-elastic scattering to fusion reactions. EPJ Web of Conferences, 2015, 86, 00014.	0.3	1
66	Multidimensional fission model with a complex absorbing potential. Physical Review C, 2015, 91, .	2.9	16
67	Examination of fusion cross sections and fusion oscillations with a generalized Wong formula. Physical Review C, 2015, 91, .	2.9	31
68	Triaxially deformed relativistic point-coupling model for hypernuclei: A quantitative analysis of the hyperon impurity effect on nuclear collective properties. Physical Review C, 2015, 91, .	2.9	26
69	Systematic study of nuclear matrix elements in neutrinoless double- β decay with a beyond-mean-field covariant density functional theory. Physical Review C, 2015, 91, .	2.9	121
70	Theoretical models for exotic nuclei. European Physical Journal A, 2015, 51, 1.	2.5	24
71	3D mesh calculations for covariant density functional theory. Progress of Theoretical and Experimental Physics, 2015, 2015, 073D01.	6.6	28
72	Two-Nucleon Correlations in the Decay of Unbound Nuclei beyond the Drip Lines. , 2015, , .		0

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73	Three-body model calculations for $N = Z$ odd-odd nuclei with $T = 0$ and $T = 1$ pairing correlations. Progress of Theoretical and Experimental Physics, 2014, 2014, 53D02-0.	6.6	28
74	Microscopic particle-rotor model for the low-lying spectrum of \hat{b} hypernuclei. Physical Review C, 2014, 90, .	2.9	30
75	Role of diproton correlation in two-proton-emission decay of the Be_6 nucleus. Physical Review C, 2014, 90, .	2.9	21
76	Three-body model calculation of the 2^+ state in ^{26}O . Physical Review C, 2014, 89, .	2.9	15
77	Correlated two-neutron emission in the decay of the unbound nucleus ^{26}O . Physical Review C, 2014, 89, .		
78	Effect of pairing on the symmetry energy and the incompressibility. European Physical Journal A, 2014, 50, 1.	2.5	3
79	Microscopic benchmark study of triaxiality in low-lying states of ^{76}Kr . Physical Review C, 2014, 89, .	2.9	85
80	Time-Dependent Approach to Two-Proton Radioactivity. , 2014, , .		0
81	Exotic Nuclei Far from the Stability Line. , 2013, , 231-272.		9
82	Application of the inverse Hamiltonian method to Hartree-Fock-Bogoliubov calculations. Physical Review C, 2013, 88, .	2.9	5
83	Quasi-elastic scattering in the $^{20}Ne + ^{20}Ne$ reaction. Physical Review C, 2013, 88, .	2.9	8
84	Competition between $T = 0$ and $T = 1$ pairing in ^{20}Ne . Physical Review C, 2013, 88, .	2.9	25
85	Sum rule approach to a soft dipole mode in \hat{b} hypernuclei. Physical Review C, 2013, 88, .	2.9	4
86	Noncollective excitations in low-energy heavy-ion reactions: Applicability of the random-matrix model. Physical Review C, 2013, 88, .	2.9	6
87	Application of random-phase approximation to vibrational excitations of double- \hat{b} hypernuclei. Physical Review C, 2012, 85, .	2.9	10
88	Transition from subbarrier to deep-subbarrier regimes in heavy-ion fusion reactions. Physical Review C, 2012, 85, .	2.9	5
89	Hyperon effects in covariant density functional theory and recent astrophysical observations. Physical Review C, 2012, 85, .	2.9	52
90	Role of noncollective excitations in heavy-ion fusion reactions and quasi-elastic scattering around the Coulomb barrier. Physical Review C, 2012, 85, .	2.9	14

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91	Dynamical approach to heavy-ion induced fission using actinide target nuclei at energies around the Coulomb barrier. <i>Physical Review C</i> , 2012, 85, .	2.9	59
92	Odd-even staggering of reaction cross sections for $^{22,23,24}\text{O}$ isotopes. <i>Physical Review C</i> , 2012, 85, .	2.9	13
93	Pairing correlations and odd-even staggering in reaction cross sections of weakly bound nuclei. <i>Physical Review C</i> , 2012, 85, .	2.9	15
94	Isoscalar and isovector density dependence of the pairing functional determined from global fitting. <i>Physical Review C</i> , 2012, 86, .	2.9	23
95	IMPURITY EFFECT OF $\hat{\nu}$ HYPERON ON SHAPE-COEXISTENCE NUCLEUS ^{44}S IN THE ENERGY FUNCTIONAL BASED COLLECTIVE HAMILTONIAN. <i>International Journal of Modern Physics E</i> , 2012, 21, 1250024.	1.0	1
96	Subbarrier Fusion Reactions and Many-Particle Quantum Tunneling. <i>Progress of Theoretical Physics</i> , 2012, 128, 1061-1106.	2.0	285
97	Double isobaric analog of ^{11}Li in ^{11}B . <i>Physical Review C</i> , 2012, 86, .	2.9	14
98	Time-dependent approach to many-particle tunneling in one dimension. <i>Physical Review C</i> , 2012, 86, .	2.9	23
99	Reaction cross sections of the deformed halo nucleus ^{31}Ne . <i>Physical Review C</i> , 2012, 86, .	2.9	19
100	Microscopic description of quantum shape fluctuation in C isotopes. <i>Physical Review C</i> , 2011, 84, .	2.9	21
101	Evidence for a pairing anti-halo effect in the odd-even staggering in reaction cross sections of weakly bound nuclei. <i>Physical Review C</i> , 2011, 84, .	2.9	33
102	Ground state properties and Coulomb dissociation of the deformed halo nucleus ^{31}Ne . <i>Physical Review C</i> , 2011, 83, .	2.9	43
103	Effect of proton-proton Coulomb repulsion on soft dipole excitations of light proton-rich nuclei. <i>Physical Review C</i> , 2011, 84, .	2.9	11
104	CLUSTER MODEL FOR REACTIONS INDUCED BY WEAKLY BOUND AND/OR EXOTIC HALO NUCLEI WITH MEDIUM-MASS TARGETS. <i>International Journal of Modern Physics E</i> , 2011, 20, 943-946.	1.0	6
105	Effect of pairing correlations on incompressibility and symmetry energy in nuclear matter and finite nuclei. <i>Physical Review C</i> , 2010, 82, .	2.9	40
106	Role of noncollective excitations in low-energy heavy-ion reactions. <i>Physical Review C</i> , 2010, 82, .	2.9	15
107	Diproton correlation in the proton-rich Borromean nucleus ^{17}Ne . <i>Physical Review C</i> , 2010, 82, .	2.9	25
108	DINEUTRON CORRELATION IN THE GROUND STATE AND E1 EXCITATIONS OF BORROMEAN NUCLEI. <i>Modern Physics Letters A</i> , 2010, 25, 1842-1845.	1.2	0

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109	DEFORMATION AND WEAK DECAY OF \hat{h} HYPERNUCLEI. International Journal of Modern Physics E, 2010, 19, 2552-2557.	1.0	3
110	Studies of heavy ion reactions around Coulomb barrier. , 2010, , .		1
111	Effects of weakly coupled channels on quasielastic barrier distributions. Physical Review C, 2009, 80, .	2.9	33
112	Test of finite temperature random-phase approximation on a Lipkin model. Physical Review C, 2009, 80, .	2.9	1
113	Two-particle correlations in continuum dipole transitions in Borromean nuclei. Physical Review C, 2009, 80, .	2.9	31
114	\hat{h} -decay half-lives at finite temperatures for N=82 isotones. Physical Review C, 2009, 80, .	2.9	6
115	Exploring Fusion at Extreme Sub-Barrier Energies with Weakly Bound Nuclei. Physical Review Letters, 2009, 103, 232702.	7.8	53
116	PAIRING CORRELATIONS IN UNSTABLE NUCLEI AND BCS-BEC CROSSOVER. International Journal of Modern Physics E, 2009, 18, 2035-2039.	1.0	1
117	DI-NEUTRON CORRELATION IN LIGHT NEUTRON-RICH NUCLEI. International Journal of Modern Physics E, 2009, 18, 2045-2049.	1.0	3
118	Fusion at deep subbarrier energies: potential inversion revisited. , 2009, , .		2
119	Existence of a one-body barrier revealed in deep subbarrier fusion. , 2009, , .		1
120	Fusion and Quasi-elastic scattering around the Coulomb barrier: determination of inter-nucleus potential. , 2009, , .		1
121	Role of Anharmonic Vibration on Heavy-ion Fusion Reaction and Large Angle Quasi-elastic Scattering of [^{sup 16} O+ ^{sup 144} Sm. , 2009, , .		0
122	Signature of Smooth Transition from Sudden to Adiabatic States in Heavy-Ion Fusion Reactions at Deep Sub-Barrier Energies. Physical Review Letters, 2009, 103, 202701.	7.8	87
123	MESONIC DECAY OF NEUTRON-RICH \hat{h} HYPERNUCLEI WITH SKYRME-HARTREE-FOCK METHOD. , 2009, , .		0
124	DEFORMATION AND WEAK DECAY OF \hat{h} HYPERNUCLEI. , 2009, , .		0
125	DEFORMATION OF \hat{h} HYPERNUCLEI. , 2009, , .		0
126	Isospin Dependent Pairing Interactions and BCS-BEC crossover. , 2008, , .		0

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127	Thermal effects on the Fission Barrier of neutron-rich nuclei. , 2008, , .		1
128	Shape Evolution of C Isotopes in (\hat{I}^2, \hat{I}^3) Deformation Plane. Progress of Theoretical Physics, 2008, 120, 129-142.	2.0	10
129	Strong dineutron correlation in He8 and C18. Physical Review C, 2008, 77, .	2.9	46
130	Effective pairing interactions with isospin density dependence. Physical Review C, 2008, 77, .	2.9	80
131	PAIRING CORRELATIONS IN HALO NUCLEI. , 2008, , .		0
132	Screening effects on neutrino-nucleus reactions. AIP Conference Proceedings, 2007, , .	0.4	0
133	Recent developments in quasi-elastic scattering around the Coulomb barrier. AIP Conference Proceedings, 2007, , .	0.4	2
134	Three-body model calculations for the C16 nucleus. Physical Review C, 2007, 75, .	2.9	21
135	Existence of a one-body barrier revealed in deep subbarrier fusion. Physical Review C, 2007, 75, .	2.9	60
136	BCS-BEC crossover of neutron pairs in symmetric and asymmetric nuclear matter. Physical Review C, 2007, 76, .	2.9	82
137	Effect of electronic environment on neutrino-nucleus reactions at r-process sites. Physical Review C, 2007, 75, .	2.9	2
138	Coexistence of BCS- and BEC-Like Pair Structures in Halo Nuclei. Physical Review Letters, 2007, 99, 022506.	7.8	110
139	Probing the tail of the nuclear potential between identical nuclei with quasi-elastic Mott scattering. Physical Review C, 2007, 76, .	2.9	19
140	Failure of the Woods-Saxon nuclear potential to simultaneously reproduce precise fusion and elastic scattering measurements. Physical Review C, 2007, 75, .	2.9	81
141	Charge radius and dipole response of ${}^7\text{Li}$. Physical Review C, 2007, 76, .	2.9	45
142	Dipole excitation and geometry of Borromean nuclei. Physical Review C, 2007, 76, .	2.9	37
143	Systematic study of the nuclear potential through high precision back-angle quasi-elastic scattering measurements. Physical Review C, 2007, 76, .	2.9	39
144	Systematics of threshold incident energy for deep sub-barrier fusion hindrance. Physical Review C, 2007, 75, .	2.9	47

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145	Pairing correlations and soft dipole excitations in nuclei on the neutron-drip line. <i>Physics of Atomic Nuclei</i> , 2007, 70, 1321-1329.	0.4	1
146	Probing internucleus potential with large-angle quasi-elastic scattering. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	3
147	Deformation parameter for diffuse density. <i>Physical Review C</i> , 2006, 74, .	2.9	28
148	Systematics of isomeric configurations in $N=77$ odd-Z isotones near the proton drip line. <i>Physical Review C</i> , 2006, 73, .	2.9	29
149	Probing surface diffuseness of nucleus-nucleus potential with quasielastic scattering at deep sub-barrier energies. <i>Physical Review C</i> , 2006, 73, .	2.9	55
150	Comprehensive study of reaction mechanisms for the Be^9+Sm^{144} system at near- and sub-barrier energies. <i>Physical Review C</i> , 2006, 73, .	2.9	144
151	Study of fine structure in the proton radioactivity of ^{146}Tm . <i>European Physical Journal A</i> , 2005, 25, 149-150.	2.5	7
152	Structure Of Rare-Earth Nuclei Around The Proton Drip Line. <i>AIP Conference Proceedings</i> , 2005, , .	0.4	13
153	Pairing correlations in nuclei on the neutron-drip line. <i>Physical Review C</i> , 2005, 72, .	2.9	149
154	Surface diffuseness anomaly in heavy-ion potentials for large-angle quasielastic scattering. <i>Physical Review C</i> , 2005, 71, .	2.9	39
155	Perturbative Hartree-Fock-Bogoliubov model for many-body pairing correlations. <i>Physical Review C</i> , 2005, 71, .	2.9	5
156	Role of low- l component in deformed wave functions near the continuum threshold. <i>Physical Review C</i> , 2005, 72, .	2.9	15
157	STUDIES OF FINE STRUCTURE DECAY IN PROTON EMITTERS AT THE HOLIFIELD RADIOACTIVE ION BEAM FACILITY. , 2005, , .		0
158	WKB approximation for multichannel barrier penetrability. <i>Physical Review A</i> , 2004, 70, .	2.5	25
159	Systematic failure of the Woods-Saxon nuclear potential to describe both fusion and elastic scattering: Possible need for a new dynamical approach to fusion. <i>Physical Review C</i> , 2004, 70, .	2.9	204
160	Large-angle scattering and quasielastic barrier distributions. <i>Physical Review C</i> , 2004, 69, .	2.9	98
161	HOW MANY FUSION BARRIERS?. <i>International Journal of Modern Physics E</i> , 2004, 13, 315-320.	1.0	7
162	Electric dipole transitions in neutron-rich nuclei. <i>Physics of Atomic Nuclei</i> , 2004, 67, 1674-1681.	0.4	0

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163	Subbarrier fusion in the systems $^{11}\text{Be}+^{209}\text{Bi}$. Nuclear Physics A, 2004, 735, 329-344.	1.5	77
164	Fusion and breakup in the reactions of ^6Li and ^9Be . Nuclear Physics A, 2004, 738, 475-478.	1.5	24
165	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
166	Structure of positive energy states in a deformed mean-field potential. Nuclear Physics A, 2004, 735, 55-76.	1.5	26
167	Quadrupole correlation energy by the generator coordinate method. Physical Review C, 2003, 68, .	2.9	15
168	Fusion cross sections at deep sub-barrier energies. Physical Review C, 2003, 67, .	2.9	74
169	Fine structure in one-proton emission studied at Oak Ridge. AIP Conference Proceedings, 2003, , .	0.4	2
170	Recent Results Of Proton Drip-Line Studies At The HRIBF Recoil Mass Spectrometer. AIP Conference Proceedings, 2003, , .	0.4	0
171	EXOTIC STRUCTURE OF CARBON ISOTOPES. , 2003, , .		2
172	SURFACE DIFFUSENESS ANOMALY IN HEAVY-ION FUSION POTENTIALS. , 2003, , .		2
173	Fusion Suppression and Sub-Barrier Breakup of Weakly Bound Nuclei. Physical Review Letters, 2002, 89, 272701.	7.8	129
174	Dominance of collective over proton transfer couplings in the fusion of ^{32}S and ^{34}S with ^{89}Y . Physical Review C, 2002, 66, .	2.9	46
175	Fusion and breakup in the reactions of ^6Li and ^7Li nuclei with ^{209}Bi . Physical Review C, 2002, 66, .	2.9	168
176	Low-energy photodisintegration of ^9Be with the molecular orbit model. Physical Review C, 2002, 66, .	2.9	3
177	Radiation correction to astrophysical fusion reactions and the electron screening problem. Physical Review C, 2002, 66, .	2.9	11
178	Projection and ground state correlations made simple. Physical Review C, 2002, 65, .	2.9	21
179	Fine structure in proton emission. AIP Conference Proceedings, 2002, , .	0.4	3
180	Mean-field theory for global binding systematics. Physics of Atomic Nuclei, 2001, 64, 588-594.	0.4	4

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181	Applicability of the orientation average formula in heavy-ion fusion reactions of deformed nuclei. Physical Review C, 2001, 63, .	2.9	10
182	Role of dynamical particle-vibration coupling in reconciliation of the $d_{3/2}$ puzzle for spherical proton emitters. Physical Review C, 2001, 64, .	2.9	38
183	SUB-BARRIER FUSION OF DRIP-LINE NUCLEI. , 2001, , .		0
184	Correlation energy of the pairing Hamiltonian. Nuclear Physics A, 2000, 679, 163-174.	1.5	28
185	Role of breakup processes in fusion enhancement of drip-line nuclei at energies below the Coulomb barrier. Physical Review C, 2000, 61, .	2.9	171
186	Bremsstrahlung in β -decay. Physical Review C, 1999, 59, R593-R597.	2.9	26
187	Effects of ^{26}O deformation and low-lying vibrational bands on heavy-ion fusion reactions at sub-barrier energies. Physical Review C, 1999, 61, .	2.9	33
188	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
189	A program for coupled-channel calculations with all order couplings for heavy-ion fusion reactions. Computer Physics Communications, 1999, 123, 143-152.	7.5	780
190	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
191	Coupled-channels analysis of the $^{16}\text{O}+^{208}\text{Pb}$ fusion barrier distribution. Physical Review C, 1999, 60, .	2.9	193
192	Excitation of nuclear anharmonic vibrations in heavy-ion fusion reactions. Physical Review C, 1998, 57, 1349-1360.	2.9	32
193	Anharmonic phonon excitations in subbarrier fusion reactions. , 1998, , .		0
194	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
195	Role of Anharmonicities of Nuclear Vibrations in Fusion Reactions at Sub-barrier Energies. Physical Review Letters, 1997, 79, 2943-2946.	7.8	30
196	Adiabatic Quantum Tunneling in Heavy-Ion Sub-barrier Fusion. Physical Review Letters, 1997, 79, 2014-2017.	7.8	82
197	Fusion barrier distributions in systems with finite excitation energy. Physical Review C, 1997, 56, 2104-2108.	2.9	27
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