

# Kouichi Hagino

## List of Publications by Year in descending order

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200  
papers

6,280  
citations

81900

39  
h-index

76900

74  
g-index

200  
all docs

200  
docs citations

200  
times ranked

1816  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Subbarrier Fusion Reactions and Many-Particle Quantum Tunneling. Progress of Theoretical Physics, 2012, 128, 1061-1106.	2.0	285
3	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
4	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
5	Coupled-channels analysis of the ${}^{16}\text{O}+{}^{208}\text{Pb}$ fusion barrier distribution. Physical Review C, 1999, 60, .	2.9	193
6	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
7	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
8	Pairing correlations in nuclei on the neutron-drip line. Physical Review C, 2005, 72, .	2.9	149
9	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
10	Fusion Suppression and Sub-Barrier Breakup of Weakly Bound Nuclei. Physical Review Letters, 2002, 89, 272701.	7.8	129
11	Systematic study of nuclear matrix elements in neutrinoless double- $\beta$ decay with a beyond-mean-field covariant density functional theory. Physical Review C, 2015, 91, .	2.9	121
12	Coexistence of BCS- and BEC-Like Pair Structures in Halo Nuclei. Physical Review Letters, 2007, 99, 022506.	7.8	110
13	Future of nuclear fission theory. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 113002.	3.6	105
14	Large-angle scattering and quasielastic barrier distributions. Physical Review C, 2004, 69, .	2.9	98
15	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
16	Microscopic benchmark study of triaxiality in low-lying states of ${}^{76}\text{Kr}$ . Physical Review C, 2014, 89, .	2.9	85
17	Adiabatic Quantum Tunneling in Heavy-Ion Sub-barrier Fusion. Physical Review Letters, 1997, 79, 2014-2017.	7.8	82
18	BCS-BEC crossover of neutron pairs in symmetric and asymmetric nuclear matter. Physical Review C, 2007, 76, .	2.9	82

#	ARTICLE	IF	CITATIONS
19	Failure of the Woods-Saxon nuclear potential to simultaneously reproduce precise fusion and elastic scattering measurements. <i>Physical Review C</i> , 2007, 75, .	2.9	81
20	Effective pairing interactions with isospin density dependence. <i>Physical Review C</i> , 2008, 77, .	2.9	80
21	Subbarrier fusion in the systems $^{11}\text{Be}+^{209}\text{Bi}$ . <i>Nuclear Physics A</i> , 2004, 735, 329-344.	1.5	77
22	Systematics of precise nuclear fusion cross sections: the need for a new dynamical treatment of fusion?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004, 586, 219-224.	4.1	77
23	Fusion cross sections at deep sub-barrier energies. <i>Physical Review C</i> , 2003, 67, .	2.9	74
24	Validity of the linear coupling approximation in heavy-ion fusion reactions at sub-barrier energies. <i>Physical Review C</i> , 1997, 55, 276-284.	2.9	73
25	Existence of a one-body barrier revealed in deep subbarrier fusion. <i>Physical Review C</i> , 2007, 75, .	2.9	60
26	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
27	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
28	Exploring Fusion at Extreme Sub-Barrier Energies with Weakly Bound Nuclei. <i>Physical Review Letters</i> , 2009, 103, 232702.	7.8	53
29	Hyperon effects in covariant density functional theory and recent astrophysical observations. <i>Physical Review C</i> , 2012, 85, .	2.9	52
30	Systematics of threshold incident energy for deep sub-barrier fusion hindrance. <i>Physical Review C</i> , 2007, 75, .	2.9	47
31	Dominance of collective over proton transfer couplings in the fusion of $^{32}\text{S}$ and $^{34}\text{S}$ with $^{89}\text{Y}$ . <i>Physical Review C</i> , 2002, 66, .	2.9	46
32	Strong dineutron correlation in $^8\text{He}$ and $^{18}\text{C}$ . <i>Physical Review C</i> , 2008, 77, .	2.9	46
33	Charge radius and dipole response of $^{11}\text{Li}$ . <i>Physical Review C</i> , 2007, 76, .	2.9	45
34	Ground state properties and Coulomb dissociation of the deformed halo nucleus $^{31}\text{Ne}$ . <i>Physical Review C</i> , 2011, 83, .	2.9	43
35	Ground state properties and Coulomb dissociation of the deformed halo nucleus $^{19}\text{B}$ . <i>Physical Review Letters</i> , 2020, 124, 212503.	7.8	43
36	Heavy-ion fusion reactions at extreme sub-barrier energies. <i>European Physical Journal A</i> , 2021, 57, 1.	2.5	42

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37	Role of mass renormalization in adiabatic quantum tunneling. Physical Review C, 1994, 49, 2630-2636.	2.9	40
38	Effect of pairing correlations on incompressibility and symmetry energy in nuclear matter and finite nuclei. Physical Review C, 2010, 82, .	2.9	40
39	Surface diffuseness anomaly in heavy-ion potentials for large-angle quasielastic scattering. Physical Review C, 2005, 71, .	2.9	39
40	Systematic study of the nuclear potential through high precision back-angle quasi-elastic scattering measurements. Physical Review C, 2007, 76, .	2.9	39
41	Role of dynamical particle-vibration coupling in reconciliation of the $3/2$ puzzle for spherical proton emitters. Physical Review C, 2001, 64, .	2.9	38
42	Correlated two-neutron emission in the decay of the unbound nucleus $^{26}\text{O}$ . Physical Review C, 2014, 89, .	2.9	38
43	Dipole excitation and geometry of Borromean nuclei. Physical Review C, 2007, 76, .	2.9	37
44	Path integral approach to no-Coriolis approximation in heavy-ion collisions. Physical Review C, 1995, 52, 286-290.	2.9	33
45	Effects of $^{26}\text{O}$ deformation and low-lying vibrational bands on heavy-ion fusion reactions at sub-barrier energies. Physical Review C, 1999, 61, .	2.9	33
46	Effects of weakly coupled channels on quasielastic barrier distributions. Physical Review C, 2009, 80, .	2.9	33
47	Evidence for a pairing anti-halo effect in the odd-even staggering in reaction cross sections of weakly bound nuclei. Physical Review C, 2011, 84, .	2.9	33
48	Excitation of nuclear anharmonic vibrations in heavy-ion fusion reactions. Physical Review C, 1998, 57, 1349-1360.	2.9	32
49	Two-particle correlations in continuum dipole transitions in Borromean nuclei. Physical Review C, 2009, 80, .	2.9	31
50	Examination of fusion cross sections and fusion oscillations with a generalized Wong formula. Physical Review C, 2015, 91, .	2.9	31
51	Role of Anharmonicities of Nuclear Vibrations in Fusion Reactions at Sub-barrier Energies. Physical Review Letters, 1997, 79, 2943-2946.	7.8	30
52	Microscopic particle-rotor model for the low-lying spectrum of hypernuclei. Physical Review C, 2014, 90, .	2.9	30
53	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
54	Time-dependent Hartree-Fock plus Langevin approach for hot fusion reactions to synthesize the superheavy element. Physical Review C, 2019, 99, .	2.9	30

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55	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
56	Hot fusion reactions with deformed nuclei for synthesis of superheavy nuclei: An extension of the fusion-by-diffusion model. <i>Physical Review C</i> , 2018, 98, .	2.9	29
57	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
58	Correlation energy of the pairing Hamiltonian. <i>Nuclear Physics A</i> , 2000, 679, 163-174.	1.5	28
59	Deformation parameter for diffuse density. <i>Physical Review C</i> , 2006, 74, .	2.9	28
60	Three-body model calculations for $N = Z$ odd-odd nuclei with $T = 0$ and $T = 1$ pairing correlations. <i>Progress of Theoretical and Experimental Physics</i> , 2014, 2014, 53D02-0.	6.6	28
61	3D mesh calculations for covariant density functional theory. <i>Progress of Theoretical and Experimental Physics</i> , 2015, 2015, 073D01.	6.6	28
62	Fusion barrier distributions in systems with finite excitation energy. <i>Physical Review C</i> , 1997, 56, 2104-2108.	2.9	27
63	Bremsstrahlung in $\beta^\pm$ decay. <i>Physical Review C</i> , 1999, 59, R593-R597.	2.9	26
64	Structure of positive energy states in a deformed mean-field potential. <i>Nuclear Physics A</i> , 2004, 735, 55-76.	1.5	26
65	Triaxially deformed relativistic point-coupling model for $\beta$ -hypernuclei: A quantitative analysis of the hyperon impurity effect on nuclear collective properties. <i>Physical Review C</i> , 2015, 91, .	2.9	26
66	WKB approximation for multichannel barrier penetrability. <i>Physical Review A</i> , 2004, 70, .	2.5	25
67	Diproton correlation in the proton-rich Borromean nucleus ${}^7\text{Li}$ . <i>Physical Review C</i> , 2010, 82, .	2.9	25
68	Competition between $T=1$ and $T=0$ pairing in $p$ -shell	2.9	25
69	Evolution of fusion hindrance for asymmetric systems at deep sub-barrier energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 755, 332-336.	4.1	25
70	Fusion and breakup in the reactions of ${}^6\text{Li}$ and ${}^9\text{Be}$ . <i>Nuclear Physics A</i> , 2004, 738, 475-478.	1.5	24
71	Theoretical models for exotic nuclei. <i>European Physical Journal A</i> , 2015, 51, 1.	2.5	24
72	Isoscalar and isovector density dependence of the pairing functional determined from global fitting. <i>Physical Review C</i> , 2012, 86, .	2.9	23

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73	Time-dependent approach to many-particle tunneling in one dimension. Physical Review C, 2012, 86, .	2.9	23
74	Generator coordinate method for hypernuclear spectroscopy with a covariant density functional. Physical Review C, 2016, 93, .	2.9	23
75	$O$	2.9	23
76	Dynamical norm method for nonadiabatic macroscopic quantum tunneling. Physical Review C, 1995, 51, 187-197.	2.9	22
77	Projection and ground state correlations made simple. Physical Review C, 2002, 65, .	2.9	21
78	Three-body model calculations for the $^{16}\text{C}$ nucleus. Physical Review C, 2007, 75, .	2.9	21
79	Microscopic description of quantum shape fluctuation in C isotopes. Physical Review C, 2011, 84, .	2.9	21
80	Role of diproton correlation in two-proton-emission decay of the $^6\text{Be}$ nucleus. Physical Review C, 2014, 90, .	2.9	21
81	Probing the tail of the nuclear potential between identical nuclei with quasi-elastic Mott scattering. Physical Review C, 2007, 76, .	2.9	19
82	Reaction cross sections of the deformed halo nucleus $^{31}\text{Ne}$ . Physical Review C, 2012, 86, .	2.9	19
83	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
84	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
85	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
86	Determination of hexadecapole ( $\hat{I}^{24}$ ) deformation of the light-mass nucleus $^{24}\text{Mg}$ using quasi-elastic scattering measurements. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 806, 135473.	4.1	18
87	Multidimensional fission model with a complex absorbing potential. Physical Review C, 2015, 91, .	2.9	16
88	Disappearance of nuclear deformation in hypernuclei: A perspective from a beyond-mean-field study. Physical Review C, 2018, 97, .	2.9	16
89	Quadrupole correlation energy by the generator coordinate method. Physical Review C, 2003, 68, .	2.9	15
90	Role of low-l-component in deformed wave functions near the continuum threshold. Physical Review C, 2005, 72, .	2.9	15

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91	Role of noncollective excitations in low-energy heavy-ion reactions. Physical Review C, 2010, 82, .	2.9	15
92	Pairing correlations and odd-even staggering in reaction cross sections of weakly bound nuclei. Physical Review C, 2012, 85, .	2.9	15
93	Three-body model calculation of the $^2\text{He}$ state in $^2\text{He} + ^{16}\text{O}$ reaction. Physical Review C, 2012, 85, .	2.9	15
94	Role of deformation in odd-even staggering in reaction/cross sections for $^{30}\text{Ne}$ and $^{31}\text{Ne}$ . Physical Review C, 2012, 85, .	2.9	15
95	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
96	Double isobaric analog of $^{11}\text{Li}$ in $^{11}\text{B}$ . Physical Review C, 2012, 86, .	2.9	14
97	Are There Good Probes for the Di-Neutron Correlation in Light Neutron-Rich Nuclei?. Few-Body Systems, 2016, 57, 185-193.	1.5	14
98	Structure Of Rare-Earth Nuclei Around The Proton Drip Line. AIP Conference Proceedings, 2005, , .	0.4	13
99	Odd-even staggering of reaction cross sections for $^{22,23,24}\text{O}$ isotopes. Physical Review C, 2012, 85, .	2.9	13
100	Anharmonicity of multi-phonon excitations in $^{208}\text{Pb}$ : 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
101	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
102	Quantum tunneling with friction. Physical Review C, 2017, 95, .	2.9	12
103	Radiation correction to astrophysical fusion reactions and the electron screening problem. Physical Review C, 2002, 66, .	2.9	11
104	Effect of proton-proton Coulomb repulsion on soft dipole excitations of light proton-rich nuclei. Physical Review C, 2011, 84, .	2.9	11
105	Quasielastic barrier distributions for the $^{20}\text{Ne} + ^{60}\text{Ni}$ reaction. Physical Review C, 2012, 85, .	2.9	11
106	Semimicroscopic modeling of heavy-ion fusion reactions with multireference covariant density functional theory. Physical Review C, 2015, 91, .	2.9	11
107	Applicability of the orientation average formula in heavy-ion fusion reactions of deformed nuclei. Physical Review C, 2001, 63, .	2.9	10
108	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

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109	Application of random-phase approximation to vibrational excitations of double- $\hat{\nu}$ hypernuclei. Physical Review C, 2012, 85, .	2.9	10
110	Exotic Nuclei Far from the Stability Line. , 2013, , 231-272.		9
111	Coupled-channels analyses for $9,11\text{Li} + \text{Pb}$ 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
112	Dissipation and tunneling in heavy-ion reactions near the Coulomb barrier. Physical Review C, 2019, 100, .	2.9	9
113	Fusion reaction of a weakly bound nucleus with a deformed target. Physical Review C, 2021, 103, .	2.9	9
114	Probing Optimal Reaction Energy for Synthesis of Element 119 from $^{51}\text{V} + ^{248}\text{Cm}$ Reaction with Quasielastic Barrier Distribution Measurement. Journal of the Physical Society of Japan, 2022, 91, .	1.6	9
115	Quasi-elastic scattering in the $^{20}\text{Ne} + ^{90}\text{Zr}$ reactions: Role of noncollective excitations. Physical Review C, 2013, 88, .	2.9	8
116	A new approach for open quantum systems based on a phonon number representation of a harmonic oscillator bath. Annals of Physics, 2020, 412, 168005.	2.8	8
117	HOW MANY FUSION BARRIERS?. International Journal of Modern Physics E, 2004, 13, 315-320.	1.0	7
118	Study of fine structure in the proton radioactivity of $^{146}\text{Tm}$ . European Physical Journal A, 2005, 25, 149-150.	2.5	7
119	Structure of hypernuclei in relativistic approaches. International Review of Nuclear Physics, 2016, , 263-303.	1.0	7
120	Sub-barrier fusion involving odd mass nuclei: The case of $^{36}\text{S} + ^{50}\text{Ti}$ , $^{51}\text{V}$ . European Physical Journal A, 2019, 55, 1.	2.5	7
121	$\hat{\nu}$ -decay half-lives at finite temperatures for $N=82$ isotones. Physical Review C, 2009, 80, .	2.9	6
122	CLUSTER MODEL FOR REACTIONS INDUCED BY WEAKLY BOUND AND/OR EXOTIC HALO NUCLEI WITH MEDIUM-MASS TARGETS. International Journal of Modern Physics E, 2011, 20, 943-946.	1.0	6
123	Noncollective excitations in low-energy heavy-ion reactions: Applicability of the random-matrix model. Physical Review C, 2013, 88, .	2.9	6
124	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
125	Transition from vibrational to rotational character in low-lying states of hypernuclei. Physical Review C, 2017, 96, .	2.9	6
126	Role of hexadecapole deformation of projectile $^{28}\text{Si}$ in heavy-ion fusion reactions near the Coulomb barrier. Physical Review C, 2018, 97, .	2.9	6

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127	Potential model for nuclear astrophysical fusion reactions with a square-well potential. <i>Physical Review C</i> , 2019, 99, .	2.9	6
128	Subbarrier fusion reactions of an aligned deformed nucleus. <i>Physical Review C</i> , 2019, 100, .	2.9	6
129	Least action and the maximum-coupling approximations in the theory of spontaneous fission. <i>Physical Review C</i> , 2020, 102, .	2.9	6
130	Microscopic model for spontaneous fission: Validity of the adiabatic approximation. <i>Physical Review C</i> , 2020, 101, .	2.9	6
131	Generator coordinate method with a conjugate momentum: Application to particle number projection. <i>Physical Review C</i> , 2021, 103, .	2.9	6
132	Transition-State Dynamics in Complex Quantum Systems. <i>Journal of the Physical Society of Japan</i> , 2021, 90, .	1.6	6
133	Perturbative Hartree-Fock-Bogoliubov model for many-body pairing correlations. <i>Physical Review C</i> , 2005, 71, .	2.9	5
134	Transition from subbarrier to deep-subbarrier regimes in heavy-ion fusion reactions. <i>Physical Review C</i> , 2012, 85, .	2.9	5
135	Application of the inverse Hamiltonian method to Hartree-Fock-Bogoliubov calculations. <i>Physical Review C</i> , 2013, 88, .	2.9	5
136	New concept for the pairing anti-halo effect as a localized wave packet of quasiparticles. <i>Physical Review C</i> , 2017, 95, .	2.9	5
137	Applicability of the Wong formula for fusion cross sections from light to heavy systems. <i>Physical Review C</i> , 2017, 95, .	2.9	5
138	Origin of a maximum of the astrophysical S factor in heavy-ion fusion reactions at deep subbarrier energies. <i>Physical Review C</i> , 2018, 97, .	2.9	5
139	Time-Dependent Approaches to Open Quantum Systems. <i>Frontiers in Physics</i> , 2020, 8, .	2.1	5
140	Mean-field theory for global binding systematics. <i>Physics of Atomic Nuclei</i> , 2001, 64, 588-594.	0.4	4
141	Sum rule approach to a soft dipole mode in hypernuclei. <i>Physical Review C</i> , 2013, 88, .	2.9	4
142	Enhancement factor for two-neutron transfer reactions with a schematic coupled-channels model. <i>Physical Review C</i> , 2015, 92, .	2.9	4
143	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
144	Role of triaxiality in deformed halo nuclei. <i>Physical Review C</i> , 2021, 104, .	2.9	4

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145	Porter-Thomas fluctuations in complex quantum systems. <i>Physical Review E</i> , 2021, 104, L052104.	2.1	4
146	Generator coordinate method for transition-state dynamics in nuclear fission. <i>Physical Review C</i> , 2022, 105, .	2.9	4
147	Low-energy photodisintegration of $^9\text{Be}$ with the molecular orbit model. <i>Physical Review C</i> , 2002, 66, .	2.9	3
148	Fine structure in proton emission. <i>AIP Conference Proceedings</i> , 2002, , .	0.4	3
149	Probing internucleus potential with large-angle quasi-elastic scattering. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	3
150	DI-NEUTRON CORRELATION IN LIGHT NEUTRON-RICH NUCLEI. <i>International Journal of Modern Physics E</i> , 2009, 18, 2045-2049.	1.0	3
151	DEFORMATION AND WEAK DECAY OF $\hat{h}$ HYPERNUCLEI. <i>International Journal of Modern Physics E</i> , 2010, 19, 2552-2557.	1.0	3
152	Effect of pairing on the symmetry energy and the incompressibility. <i>European Physical Journal A</i> , 2014, 50, 1.	2.5	3
153	Resonance width for a particle-core coupling model with a square-well potential. <i>Progress of Theoretical and Experimental Physics</i> , 2020, 2020, .	6.6	3
154	Three related topics on the periodic tables of elements. <i>Foundations of Chemistry</i> , 2021, 23, 201-214.	1.1	3
155	On deformability of atoms—a comparative study between atoms and atomic nuclei. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2021, 54, 165201.	1.5	3
156	Semi-classical approaches to heavy-ion reactions: fusion, rainbow, and glory. <i>European Physical Journal A</i> , 2021, 57, 1.	2.5	3
157	Fine structure in one-proton emission studied at Oak Ridge. <i>AIP Conference Proceedings</i> , 2003, , .	0.4	2
158	Recent developments in quasi-elastic scattering around the Coulomb barrier. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	2
159	Effect of electronic environment on neutrino-nucleus reactions at r-process sites. <i>Physical Review C</i> , 2007, 75, .	2.9	2
160	Fusion at deep subbarrier energies: potential inversion revisited. , 2009, , .		2
161	Branching ratios for de-excitation processes of daughter nuclei following invisible dinucleon decays in $^{16}\text{O}$ . <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2018, 45, 105105.	3.6	2
162	Relativistic mean-field and beyond approaches for deformed hypernuclei. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	2

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163	A nuclear periodic table. Foundations of Chemistry, 2020, 22, 267-273.	1.1	2
164	EXOTIC STRUCTURE OF CARBON ISOTOPES. , 2003, , .		2
165	SURFACE DIFFUSENESS ANOMALY IN HEAVY-ION FUSION POTENTIALS. , 2003, , .		2
166	Diabatic Hamiltonian matrix elements made simple. Physical Review C, 2022, 105, .	2.9	2
167	Microscopic description of cluster decays based on the generator coordinate method. Physical Review C, 2022, 105, .	2.9	2
168	Applications of the dynamical generator coordinate method to quadrupole excitations. Physical Review C, 2022, 105, .	2.9	2
169	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
170	Pairing correlations and soft dipole excitations in nuclei on the neutron-drip line. Physics of Atomic Nuclei, 2007, 70, 1321-1329.	0.4	1
171	Thermal effects on the Fission Barrier of neutron-rich nuclei. , 2008, , .		1
172	Test of finite temperature random-phase approximation on a Lipkin model. Physical Review C, 2009, 80, .	2.9	1
173	PAIRING CORRELATIONS IN UNSTABLE NUCLEI AND BCS-BEC CROSSOVER. International Journal of Modern Physics E, 2009, 18, 2035-2039.	1.0	1
174	Existence of a one-body barrier revealed in deep subbarrier fusion. , 2009, , .		1
175	Fusion and Quasi-elastic scattering around the Coulomb barrier: determination of inter-nucleus potential. , 2009, , .		1
176	Studies of heavy ion reactions around Coulomb barrier. , 2010, , .		1
177	IMPURITY EFFECT OF $\hat{\Delta}$ HYPERON ON SHAPE-COEXISTENCE NUCLEUS $^{44}\text{S}$ IN THE ENERGY FUNCTIONAL BASED COLLECTIVE HAMILTONIAN. International Journal of Modern Physics E, 2012, 21, 1250024.	1.0	1
178	Analysis of Charge Changing Cross Sections with the Glauber-Abrasion-Ablation Model. , 2015, , .		1
179	Mapping from quasi-elastic scattering to fusion reactions. EPJ Web of Conferences, 2015, 86, 00014.	0.3	1
180	Estimation for Synthesis of Superheavy Elements. , 2018, , .		1

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181	Anharmonic phonon excitations in subbarrier fusion reactions. , 1998, , .		0
182	Recent Results Of Proton Drip-Line Studies At The HRIBF Recoil Mass Spectrometer. AIP Conference Proceedings, 2003, , .	0.4	0
183	Electric dipole transitions in neutron-rich nuclei. Physics of Atomic Nuclei, 2004, 67, 1674-1681.	0.4	0
184	Screening effects on neutrino-nucleus reactions. AIP Conference Proceedings, 2007, , .	0.4	0
185	Isospin Dependent Pairing Interactions and BCS-BEC crossover. , 2008, , .		0
186	Role of Anharmonic Vibration on Heavy-ion Fusion Reaction and Large Angle Quasi-elastic Scattering of [ <sup>16</sup> O+ <sup>144</sup> Sm. , 2009, , .		0
187	DINEUTRON CORRELATION IN THE GROUND STATE AND E1 EXCITATIONS OF BORROMEAN NUCLEI. Modern Physics Letters A, 2010, 25, 1842-1845.	1.2	0
188	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
189	Three-dimensional mesh calculations for covariant density functional theory. AIP Conference Proceedings, 2015, , .	0.4	0
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