

# Gurgen Adamian

## List of Publications by Year in descending order

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313  
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317  
docs citations

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times ranked

961  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fusion cross sections for superheavy nuclei in the dinuclear system concept. Nuclear Physics A, 1998, 633, 409-420.	1.5	220
2	Characteristics of quasifission products within the dinuclear system model. Physical Review C, 2003, 68, .	2.9	190
3	Isotopic dependence of fusion cross sections in reactions with heavy nuclei. Nuclear Physics A, 2000, 678, 24-38.	1.5	185
4	Treatment of competition between complete fusion and quasifission in collisions of heavy nuclei. Nuclear Physics A, 1997, 627, 361-378.	1.5	153
5	Model of competition between fusion and quasifission in reactions with heavy nuclei. Nuclear Physics A, 1997, 618, 176-198.	1.5	130
6	Cluster interpretation of properties of alternating parity bands in heavy nuclei. Physical Review C, 2003, 67, .	2.9	93
7	Survival probability of superheavy nuclei. Physical Review C, 2002, 65, .	2.9	91
8	Effects of nuclear deformation and neutron transfer in capture processes, and fusion hindrance at deep sub-barrier energies. Physical Review C, 2011, 84, .	2.9	89
9	Production of unknown transactinides in asymmetry-exit-channel quasifission reactions. Physical Review C, 2005, 71, .	2.9	77
10	How to extend the chart of nuclides?. European Physical Journal A, 2020, 56, 1.	2.5	68
11	Peculiarities of the sub-barrier fusion with the quantum diffusion approach. European Physical Journal A, 2010, 45, 125-130.	2.5	65
12	Problems in description of fusion of heavy nuclei in the two-center shell model approach. Nuclear Physics A, 1999, 646, 29-52.	1.5	64
13	Analysis of survival probability of superheavy nuclei. Physical Review C, 2000, 62, .	2.9	63
14	Possibility of production of neutron-rich Zn and Ge isotopes in multinucleon transfer reactions at low energies. Physical Review C, 2010, 81, .	2.9	63
15	Role of neutron transfer in capture processes at sub-barrier energies. Physical Review C, 2012, 85, .	2.9	61
16	Competition between evaporation channels in neutron-deficient nuclei. Physical Review C, 2003, 68, .	2.9	60
17	Isotopic trends in the production of superheavy nuclei in cold fusion reactions. Physical Review C, 2004, 69, .	2.9	60
18	Unexpected isotopic trends in synthesis of superheavy nuclei. Physical Review C, 2004, 69, .	2.9	60

#	ARTICLE	IF	CITATIONS
19	High-spin isomers in some of the heaviest nuclei: Spectra, decays, and population. <i>Physical Review C</i> , 2010, 81, .	2.9	59
20	Quasifission process in a transport model for a dinuclear system. <i>Physical Review C</i> , 2001, 64, .	2.9	57
21	Feature of production of new superheavy nuclei in actinide-based complete-fusion reactions. <i>European Physical Journal A</i> , 2009, 41, 235-241.	2.5	57
22	Decay of excited nuclei produced in $Kr^{78,82}+Ca^{40}$ reactions at 5.5 MeV/nucleon. <i>Physical Review C</i> , 2011, 83, .	2.9	57
23	Spectroscopic factors and cluster decay half-lives of heavy nuclei. <i>Physical Review C</i> , 2005, 71, .	2.9	56
24	Relationship between dinuclear systems and nuclei in highly deformed states. <i>Nuclear Physics A</i> , 2000, 671, 119-135.	1.5	55
25	Mass distributions for induced fission of different Hg isotopes. <i>Physical Review C</i> , 2012, 86, .	2.9	55
26	Possibilities of synthesis of new superheavy nuclei in actinide-based fusion reactions. <i>Physical Review C</i> , 2004, 69, .	2.9	54
27	Mass parameters for a dinuclear system. <i>Nuclear Physics A</i> , 1995, 584, 205-220.	1.5	52
28	Influence of proton shell closure on production and identification of new superheavy nuclei. <i>Physical Review C</i> , 2012, 85, .	2.9	52
29	Emission of charged particles from excited compound nuclei. <i>Physical Review C</i> , 2010, 82, .	2.9	51
30	Possible explanation of fine structures in mass-energy distribution of fission fragments. <i>European Physical Journal A</i> , 2004, 22, 51-60.	2.5	50
31	Non-Markovian dynamics of quantum systems. I. Formalism and transport coefficients. <i>Physical Review E</i> , 2005, 71, 016121.	2.1	50
32	Possible alternative parity bands in the heaviest nuclei. <i>Physical Review C</i> , 2006, 74, .	2.9	47
33	Quantum statistical effects in nuclear reactions, fission, and open quantum systems. <i>Physics of Particles and Nuclei</i> , 2010, 41, 175-229.	0.7	47
34	Towards neutron drip line via transfer-type reactions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005, 621, 119-125.	4.1	45
35	Isospin dependence of mass-distribution shape of fission fragments of Hg isotopes. <i>Physical Review C</i> , 2013, 88, .	2.9	44
36	Melting or nucleon transfer in fusion of heavy nuclei?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 481, 228-235.	4.1	42

#	ARTICLE	IF	CITATIONS
37	Yields of new neutron-rich isotopes of nuclei with $Z < 64$ in the multinucleon transfer reaction in the framework of the dinuclear system model. Physical Review C, 2010, 82, .	2.9	42
38	One-quasiparticle states in odd-Z heavy nuclei. Physical Review C, 2010, 82, .	2.9	39
39	Ways to produce new superheavy isotopes with $Z = 111-117$ in charged particle evaporation channels. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 42-48.	4.1	39
40	Dynamical restriction for a growing neck due to mass parameters in a dinuclear system. Nuclear Physics A, 2000, 671, 233-254.	1.5	38
41	Friction coefficient for deep-inelastic heavy-ion collisions. Physical Review C, 1997, 56, 373-380.	2.9	36
42	Capture process in nuclear reactions with a quantum master equation. Physical Review C, 2009, 80, .	2.9	36
43	Role of the entrance channel in the production of complex fragments in fusion-fission and quasifission reactions in the framework of the dinuclear system model. Physical Review C, 2011, 84, .	2.9	36
44	Stability of superheavy nuclei produced in actinide-based complete fusion reactions: Evidence for the next magic proton number at $Z = 120$ . Physical Review C, 2009, 79, .	2.9	35
45	Sub-barrier capture with quantum diffusion approach: Actinide-based reactions. European Physical Journal A, 2011, 47, 1.	2.5	35
46	Non-Markovian dynamics of quantum systems. II. Decay rate, capture, and pure states. Physical Review E, 2005, 71, 016122.	2.1	34
47	Application of statistical methods for analysis of heavy-ion reactions in the framework of a dinuclear system model. Physics of Particles and Nuclei, 2009, 40, 847-889.	0.7	34
48	Behavior of one-quasiparticle levels in odd isotonic chains of heavy nuclei. Physical Review C, 2011, 84, .	2.9	34
49	Cluster effects in the structure of the ground state and superdeformed bands of $^{60}\text{Zn}$ . Physical Review C, 2003, 67, .	2.9	33
50	Role of angular momentum in the production of complex fragments in fusion and quasifission reactions. Physical Review C, 2011, 83, .	2.9	33
51	Cluster interpretation of parity doublet rotational bands in odd-mass nuclei. Physical Review C, 2004, 70, .	2.9	32
52	Quantum Non-Markovian Stochastic Equations. Theoretical and Mathematical Physics (Russian) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14	0.9	32
53	Possibilities of production of transfermium nuclei in charged-particle evaporation channels. Physical Review C, 2016, 94, .	2.9	32
54	Competition between complete fusion and quasi-fission in dinuclear system. Il Nuovo Cimento A, 1997, 110, 1143-1148.	0.2	31

#	ARTICLE	IF	CITATIONS
55	Production of neutron-rich Ca, Sn, and Xe isotopes in transfer-type reactions with radioactive beams. Physical Review C, 2010, 82, .	2.9	31
56	Role of bending mode in generation of angular momentum of fission fragments. Physical Review C, 2002, 65, .	2.9	30
57	Interaction times in the $^{136}\text{Xe}+^{136}\text{Xe}$ and $^{238}\text{U}+^{238}\text{U}$ reactions with a quantum master equation. Physical Review C, 2009, 80, .	2.9	30
58	Polarization of the nuclear surface in deformed nuclei. Physical Review C, 2013, 88, .	2.9	30
59	Examination of the different roles of neutron transfer in the sub-barrier fusion reactions $^{32}\text{S}+^{94,96}\text{Zr}$ and $^{40}\text{Ca}+^{94,96}\text{Zr}$ . Physical Review C, 2015, 91, .	2.9	30
60	Possible origin of transition from symmetric to asymmetric fission. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 800-806.	4.1	30
61	Influence of neutron transfer in reactions with weakly and strongly bound nuclei on the sub-barrier capture process. Physical Review C, 2012, 86, .	2.9	29
62	Energy dependence of mass, charge, isotopic, and energy distributions in neutron-induced fission of $^{235}\text{U}$ and $^{239}\text{Pu}$ . Physical Review C, 2016, 93, .	2.9	29
63	Tunneling with dissipation in open quantum systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 244, 482-488.	2.1	28
64	Potential in mass asymmetry and quasifission in a dinuclear system. Nuclear Physics A, 2001, 679, 410-426.	1.5	27
65	Ternary fission within statistical approach. European Physical Journal A, 2006, 30, 579-589.	2.5	27
66	Microscopic driving potential for a dinuclear system. Nuclear Physics A, 1993, 551, 321-332.	1.5	26
67	Survival probabilities of superheavy nuclei based on recent predictions of nuclear properties. European Physical Journal A, 2005, 23, 249-256.	2.5	26
68	Isotopic trends of capture cross section and mean-square angular momentum of the captured system. Physical Review C, 2012, 85, .	2.9	26
69	Correlation between observed $\hat{I}_{\pm}$ decays and changes in neutron or proton skins from parent to daughter nuclei. Physical Review C, 2017, 96, .	2.9	26
70	Predictions of identification and production of new superheavy nuclei with $Z > 119$ and 120. Physical Review C, 2020, 101, .	2.9	26
71	Production of neutron-rich Ca isotopes in transfer-type reactions. European Physical Journal A, 2006, 27, 187-190.	2.5	25
72	Fission rate and transient time with a quantum master equation. Physical Review C, 2007, 76, .	2.9	25

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73	Neutron-pair transfer in the sub-barrier capture process. <i>Physical Review C</i> , 2013, 88, .	2.9	25
74	Self-consistent methods for structure and production of heavy and superheavy nuclei. <i>European Physical Journal A</i> , 2021, 57, 1.	2.5	25
75	Bimodality and charge splitting in fission of actinides. <i>European Physical Journal A</i> , 2005, 26, 327-332.	2.5	24
76	Production cross section of neutron-rich isotopes with radioactive and stable beams. <i>Physical Review C</i> , 2014, 89, .	2.9	24
77	Decay out of superdeformed bands in the mass region $A \approx 190$ within a cluster approach. <i>Physical Review C</i> , 2004, 69, .	2.9	23
78	Alpha-decay fine structures of U isotopes and systematics for isotopic chains of Po and Rn. <i>European Physical Journal A</i> , 2012, 48, 1.	2.5	23
79	Effects of angular dependence of surface diffuseness in deformed nuclei on Coulomb barrier. <i>Physical Review C</i> , 2014, 90, .	2.9	23
80	Influence of entrance channel on the production of hassium isotopes. <i>Physical Review C</i> , 2015, 92, .	2.9	23
81	Search for a systematic behavior of the breakup probability in reactions with weakly bound projectiles at energies around the Coulomb barrier. <i>Physical Review C</i> , 2012, 86, .	2.9	22
82	Toward neutron-rich nuclei via transfer reactions with stable and radioactive beams. <i>Physical Review C</i> , 2015, 91, .	2.9	22
83	Friction and diffusion coefficients in coordinate in nonequilibrium nuclear processes. <i>Nuclear Physics A</i> , 1999, 645, 376-398.	1.5	21
84	Diffusion coefficients in coordinate in density matrix description of non-equilibrium quantum processes. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1999, 260, 39-45.	2.1	21
85	Coordinate-dependent diffusion coefficients: Decay rate in open quantum systems. <i>Physical Review A</i> , 2007, 75, .	2.5	21
86	Influence of external magnetic field on dynamics of open quantum systems. <i>Physical Review E</i> , 2007, 75, 031115.	2.1	21
87	Peculiarities of sub-barrier reactions with heavy ions. <i>Journal of Physics: Conference Series</i> , 2011, 282, 012001.	0.4	21
88	Effect of transport coefficients on the time dependence of a density matrix. <i>Journal of Physics A</i> , 2000, 33, 4265-4276.	1.6	20
89	Non-Markovian dynamics with fermions. <i>Physical Review A</i> , 2014, 90, .	2.5	20
90	Cluster approach to the structure of ${}^{240}\text{Pu}$ . <i>Physical Review C</i> , 2015, 92, .	2.9	19

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91	Asymmetry of fission fragment mass distribution for Po and Ir isotopes. Physical Review C, 2016, 93, .	2.9	19
92	Sub-barrier capture reactions with $^{16}\text{O}$ and $^{40}\text{Ca}$ beams. European Physical Journal A, 2013, 49, 1.	2.5	18
93	Unexpected asymmetry of the charge distribution in the fission of $^{232}\text{Th}$ at high excitation energies. Physical Review C, 2016, 94, .	2.9	18
94	Partition of excitation energy between reaction products in heavy ion collisions. Zeitschrift für Physik A, 1994, 347, 203-210.	0.9	17
95	Generalization of Kramers formula for open quantum systems. Physica A: Statistical Mechanics and Its Applications, 2002, 316, 297-313.	2.6	17
96	Sub-barrier capture with quantum diffusion approach. EPJ Web of Conferences, 2011, 17, 04003.	0.3	17
97	Probability of passing through a parabolic barrier and thermal decay rate: Case of linear coupling both in momentum and in coordinate. Physical Review A, 2011, 84, .	2.5	17
98	Deformation effect in the sub-barrier capture process. Physical Review C, 2012, 85, .	2.9	17
99	Oblate-prolate deformation effect in capture reactions at sub-barrier energies. Physical Review C, 2012, 85, .	2.9	17
100	Extraction of potential energy in charge asymmetry coordinate from experimental fission data. European Physical Journal A, 2016, 52, 1.	2.5	17
101	Quantum non-Markovian Langevin formalism for heavy ion reactions near the Coulomb barrier. Physical Review C, 2008, 77, .	2.9	16
102	Possibilities of production of neutron-deficient isotopes of U, Np, Pu, Am, Cm, and Cf in complete fusion reactions. Physical Review C, 2008, 78, .	2.9	16
103	Peculiarities of parabolic-barrier penetrability and thermal decay rate with the quantum diffusion approach. Physical Review A, 2011, 83, .	2.5	16
104	Description of non-Markovian effect in open quantum system with the discretized environment method. European Physical Journal B, 2015, 88, 1.	1.5	16
105	Isotopic trends of nuclear surface properties of spherical nuclei. Physical Review C, 2016, 94, .	2.9	16
106	Possibility of production of neutron-rich isotopes in transfer-type reactions at intermediate energies. Physical Review C, 2008, 78, .	2.9	15
107	Formation of hyperdeformed states by neutron emission from a dinuclear system. Physical Review C, 2010, 81, .	2.9	15
108	How to observe hyperdeformed states populated in heavy ion reactions. Physical Review C, 2001, 64, .	2.9	14

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109	Transfer-type products accompanying cold fusion reactions. <i>Physical Review C</i> , 2005, 72, .	2.9	14
110	Energy-shifting formulae yield reliable reaction and capture probabilities. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 739, 348-351.	4.1	14
111	Charge distributions of fission fragments of low- and high-energy fission of Fm, No, and Rf isotopes. <i>Physical Review C</i> , 2018, 97, .	2.9	14
112	Collective enhancements in the level densities of Dy and Mo isotopes. <i>Physical Review C</i> , 2020, 101, .	2.9	14
113	Effects of shell structure and N/Z ratio of a projectile on the excitation energy distribution between interacting nuclei in deep-inelastic collisions. <i>Physical Review C</i> , 1996, 53, 871-879.	2.9	13
114	Neck dynamics at the approach stage of heavy ion collisions. <i>Nuclear Physics A</i> , 1997, 619, 241-260.	1.5	13
115	Possibility of production of new superheavy nuclei in complete fusion reactions. <i>Nuclear Physics A</i> , 2010, 834, 345c-348c.	1.5	13
116	Role of quasiparticle structure in $\alpha$ decays of the heaviest nuclei. <i>Physical Review C</i> , 2012, 85, .	2.9	13
117	Derivation of capture cross sections from quasi-elastic excitation functions. <i>Physical Review C</i> , 2013, 87, .	2.9	13
118	Threshold energy for sub-barrier fusion hindrance phenomenon. <i>European Physical Journal A</i> , 2013, 49, 1.	2.5	13
119	Possibilities of synthesis of unknown isotopes of superheavy nuclei with charge numbers $Z > 108$ in asymmetric actinide-based complete fusion reactions. <i>European Physical Journal A</i> , 2016, 52, 1.	2.5	13
120	Change of the shape of mass and charge distributions in fission of Cf isotopes with excitation energy. <i>Physical Review C</i> , 2019, 99, .	2.9	13
121	Possible production of neutron-rich Md isotopes in multinucleon transfer reactions with Cf and Es targets. <i>Physical Review C</i> , 2019, 99, .	2.9	13
122	Spectroscopic factors and barrier penetrabilities in cluster radioactivity. <i>Physics of Atomic Nuclei</i> , 2005, 68, 1443-1452.	0.4	12
123	Impact of nuclear structure on production and identification of new superheavy nuclei. <i>European Physical Journal A</i> , 2011, 47, 1.	2.5	12
124	Production of the doubly magic nucleus $^{100}\text{Sn}$ in fusion and quasifission reactions via light particle and cluster emission channels. <i>Physical Review C</i> , 2014, 90, .	2.9	12
125	Dinuclear systems in complete fusion reactions. <i>Physics of Particles and Nuclei</i> , 2014, 45, 848-923.	0.7	12
126	Nonrotational states in isotonic chains of heavy nuclei. <i>Physical Review C</i> , 2018, 97, .	2.9	12



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127	Dynamics of a dinuclear system in charge-asymmetry coordinates; $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle \hat{I}_{\pm} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ decay, cluster radioactivity, and spontaneous fission. <i>Physical Review C</i> , 2019, 100, .	2.9	12
128	Examination of coexistence of symmetric mass and asymmetric charge distributions of fission fragments. <i>Physical Review C</i> , 2020, 101, .	2.9	12
129	Optimal ways to produce heavy and superheavy nuclei. <i>European Physical Journal A</i> , 2022, 58, .	2.5	12
130	Nontrivial manifestation of clustering in fission of heavy nuclei at low and middle excitations. <i>Physics of Atomic Nuclei</i> , 2004, 67, 1726-1730.	0.4	11
131	Transport coefficients of a quantum system interacting with a squeezed heat bath. <i>Physical Review E</i> , 2006, 74, 011118.	2.1	11
132	Emission of clusters with $Z > 2$ from excited actinide nuclei. <i>Physical Review C</i> , 2011, 84, .	2.9	11
133	Emission of heavy clusters in nuclear reactions at low collision energies. <i>Physics of Particles and Nuclei</i> , 2012, 43, 825-866.	0.7	11
134	Astrophysical $S$ factor, logarithmic slope of the excitation function, and barrier distribution. <i>Physical Review C</i> , 2012, 86, .	2.9	11
135	Derivation of reaction cross sections from experimental elastic backscattering probabilities. <i>Physical Review C</i> , 2013, 88, .	2.9	11
136	Level densities of heaviest nuclei. <i>European Physical Journal A</i> , 2014, 50, 1.	2.5	11
137	Non-Markovian dynamics of fully coupled fermionic and bosonic oscillators. <i>Physical Review A</i> , 2017, 95, .	2.5	11
138	Incorporating self-consistent single-particle potentials into the microscopic-macroscopic method. <i>European Physical Journal A</i> , 2018, 54, 1.	2.5	11
139	Formation of hyperdeformed states in capture reactions at sub-barrier energies. <i>Physical Review C</i> , 2010, 82, .	2.9	10
140	Role of neutron transfer in asymmetric fusion reactions at sub-barrier energies. <i>European Physical Journal A</i> , 2014, 50, 1.	2.5	10
141	Deriving capture and reaction cross sections from observed quasi-elastic and elastic backscattering. <i>Physical Review C</i> , 2014, 90, .	2.9	10
142	Description of alpha decay and cluster radioactivity in the dinuclear system model. <i>Physics of Particles and Nuclei</i> , 2016, 47, 206-235.	0.7	10
143	Possible production of neutron-rich No isotopes. <i>Physical Review C</i> , 2020, 101, .	2.9	10
144	Simultaneous description of charge, mass, total kinetic energy, and neutron multiplicity distributions in fission of Th and U isotopes. <i>Physical Review C</i> , 2021, 104, .	2.9	10

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145	CLUSTER FEATURES OF STRONGLY DEFORMED NUCLEI SHAPES. International Journal of Modern Physics E, 2008, 17, 2020-2024.	1.0	9
146	Population of ground-state rotational bands of superheavy nuclei produced in complete fusion reactions. Physical Review C, 2011, 84, .	2.9	9
147	Quantum diffusion description of the subbarrier-capture process in heavy-ion reactions. Physics of Atomic Nuclei, 2012, 75, 439-448.	0.4	9
148	Extracting integrated and differential cross sections in low-energy heavy-ion reactions from backscattering measurements. European Physical Journal A, 2014, 50, 1.	2.5	9
149	Quasifission and fusion-fission processes in the reactions $Kr + Ca$ . Comparative analysis of the fusion reactions $Ti + Fe$ and $Ni + Ni$ .	2.9	9
150	Survivability of excited superheavy nuclei. Physics of Atomic Nuclei, 2003, 66, 218-232.	0.4	8
151	Spectroscopic factors within the dinuclear-system model. Physics of Atomic Nuclei, 2008, 71, 1756-1768.	0.4	8
152	Production of exotic isotopes in complete fusion reactions with radioactive beams. Physical Review C, 2013, 88, .	2.9	8
153	From dinuclear systems to close binary stars: Application to mass transfer. International Journal of Modern Physics E, 2018, 27, 1850063.	1.0	8
154	Process of complete fusion of nuclei within the framework of dinuclear system concept. Il Nuovo Cimento A, 1997, 110, 1127-1135.	0.2	7
155	Description of quasifission reactions in the dinuclear system model. Physics of Particles and Nuclei, 2016, 47, 1-48.	0.7	7
156	Non-Markovian dynamics of mixed fermionic-bosonic systems: Rotating-wave-approximation coupling. Physical Review A, 2017, 96, .	2.5	7
157	Extended quantum diffusion approach to reactions of astrophysical interests. European Physical Journal A, 2020, 56, 1.	2.5	7
158	Rate of decline of the production cross section of superheavy nuclei with $Z > 114$ at high excitation energies. Physical Review C, 2021, 103, .	2.9	7
159	Cluster approach to spontaneous fission of even-even isotopes of U, Pu, Cm, Cf, Fm, No, Rf, Sg, and Hs. Physical Review C, 2021, 104, .	2.9	7
160	Fusion and Quasifission within the Dinuclear System Model. Acta Physica Hungarica A Heavy Ion Physics, 2004, 19, 87-94.	0.4	6
161	Manifestation of cluster effects in the structure of medium mass and heavy nuclei. Nuclear Physics A, 2004, 734, 433-436.	1.5	6
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163	Isotopic dependence of neutron emission from dinuclear system. European Physical Journal A, 2007, 33, 223-230.	2.5	6
164	Multiple reflection-asymmetric-type band structures in 220Th and dinuclear model. European Physical Journal A, 2011, 47, 1.	2.5	6
165	Structures of nuclei in $\beta$ -decay chains of 291,293117. Physical Review C, 2012, 85, .	2.9	6
166	Quasiparticle structure of superheavy nuclei along the $\beta$ -decay chain of $^{115}\text{Mn}$ . Physical Review C, 2015, 92, .	2.9	6
167	Role of the neck degree of freedom in cold fusion reactions. Physical Review C, 2015, 91, .	2.9	6
168	Possibilities of production of transfermium nuclei in complete fusion reactions with radioactive beams. Physical Review C, 2017, 96, .	2.9	6
169	Non-Markovian dynamics of fermionic and bosonic systems coupled to several heat baths. Physical Review E, 2018, 97, 032134.	2.1	6
170	Suggestion for examination of a role of multi-chance fission. European Physical Journal A, 2018, 54, 1.	2.5	6
171	Landscape of the island of stability with self-consistent mean-field potentials. Physical Review C, 2021, 104, .	2.9	6
172	Effect of shell structure on energy dissipation in heavy-ion collisions. European Physical Journal A, 2000, 8, 115-124.	2.5	5
173	Decay rate with coordinate-dependent diffusion coefficients. Physica A: Statistical Mechanics and Its Applications, 2007, 386, 36-46.	2.6	5
174	Comment on "Ratios of disintegration rates for distinct decay modes of an excited nucleus". Physical Review C, 2010, 81, .	2.9	5
175	Non-Markovian dynamics of an open quantum system with nonstationary coupling. Physical Review E, 2011, 83, 041104.	2.1	5
176	Derivation of breakup probabilities of weakly bound nuclei from experimental elastic and quasi-elastic scattering angular distributions. Physical Review C, 2015, 92, .	2.9	5
177	Application of the theory of open quantum systems to nuclear physics problems. Physics of Particles and Nuclei, 2016, 47, 157-205.	0.7	5
178	Large-amplitude nuclear motion formulated in terms of dissipation of quantum fluctuations. Physics of Particles and Nuclei, 2017, 48, 158-209.	0.7	5
179	From dinuclear systems to close binary stars: Application to source of energy in the universe. International Journal of Modern Physics E, 2018, 27, 1850093.	1.0	5
180	Toward an understanding of the anomaly in charge yield of Mo and Sn fragments in the fission reaction $^{238}\text{U}(n,f)$ . Physical Review C, 2018, 98, .	2.9	5

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181	Correlations of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"> \langle \text{mml:mi}> \hat{I} \pm \langle \text{mml:mi}> \langle \text{mml:math}> $ -decay properties and isospin-asymmetry. <i>Physical Review C</i> , 2021, 104, .	2.9	5
182	Cluster Interpretation of Highly Deformed Nuclear States. <i>Acta Physica Hungarica A Heavy Ion Physics</i> , 2003, 18, 311-316.	0.4	4
183	Generation of angular momentum of fission fragments in a cluster model. <i>Physics of Atomic Nuclei</i> , 2003, 66, 206-217.	0.4	4
184	Quantum-mechanical description of the initial stage of fusion reaction. <i>Physics of Atomic Nuclei</i> , 2009, 72, 425-438.	0.4	4
185	On the hyperdeformed state of the $^{36}\text{Ar}$ nucleus. <i>Journal of Physics: Conference Series</i> , 2010, 239, 012006.	0.4	4
186	Isomeric states in heavy nuclei. <i>Physics of Particles and Nuclei</i> , 2010, 41, 1101-1104.	0.7	4
187	Decay of excited nuclei produced in the $^{78,82}\text{Kr}+^{40}\text{Ca}$ reactions at 5.5 MeV/nucleon. <i>EPJ Web of Conferences</i> , 2011, 17, 10005.	0.3	4
188	Total and partial capture cross sections in reactions with deformed nuclei at energies near and below the Coulomb barrier. <i>Physics of Atomic Nuclei</i> , 2013, 76, 716-731.	0.4	4
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