

Kazuyuki Ogata

List of Publications by Year in descending order

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154
papers

3,034
citations

136950

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189892

50
g-index

155
all docs

155
docs citations

155
times ranked

1264
citing authors

#	ARTICLE	IF	CITATIONS
19	Pairing Forces Govern Population of Doubly Magic ^{22}Ca . Physical Review Letters, 2021, 126, 022501. $\langle \text{Ca} \rangle$	7.8	11
20	Manifestation of the divergence between antisymmetrized-molecular-dynamics and container pictures of ^9Be via $^9\text{Be}(p,pn)^8\text{Be}$ knockout reaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 819, 136466.	4.1	1
21	Three-body description of ^9C : Role of low-lying resonances in breakup reactions. Physical Review C, 2021, 104, .	2.9	4
22	Correspondence between isoscalar monopole strengths and α inelastic cross sections on ^{24}Mg . Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	1
23	Formation of \hat{I}^\pm clusters in dilute neutron-rich matter. Science, 2021, 371, 260-264.	12.6	57
24	Investigation of multistep effects for proton inelastic scattering to the 2^+_{gs} state in ^4He . Physical Review C, 2021, 104, . $\langle \text{He} \rangle$	2.9	2
25	Investigation of the ground-state spin inversion in the ^{37}Cl isotopes. Physical Review C, 2021, 104, . $\langle \text{Cl} \rangle$	2.9	6
26	Neutron dominance in excited states of ^{26}Mg and ^{10}Be probed by proton and \hat{I}^\pm inelastic scattering. Physical Review C, 2020, 102, .	2.9	4
27	Nuclear medium effect on neutron capture reactions during neutron star mergers. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 095101. Surface Localization of the Dineutron in ^{11}Li . Physical Review Letters, 2020, 125, 252501.	3.6	1
28	Physical Review Letters, 2020, 125, 252501. $\langle \text{Li} \rangle$	7.8	36
29	Effect of the repulsive core in the proton-neutron potential on deuteron elastic breakup cross sections. Physical Review C, 2020, 101, . How Different is the Core of ^{25}F . Physical Review Letters, 2020, 124, 212503.	2.9	2
30	Physical Review Letters, 2020, 124, 212503. $\langle \text{F} \rangle$	7.8	14
31	Transition properties of low-lying states in ^{28}Si probed via inelastic proton and \hat{I}^\pm scattering. Physical Review C, 2020, 101, . $\langle \text{Si} \rangle$	7.8	43
32	Properties of $K^\pi=0^+_{gs}$, $K^\pi=2^+_{gs}$, and $K^\pi=0^+_{gs}$ bands of ^{20}Ne probed via proton and \hat{I}^\pm inelastic scattering. Physical Review C, 2020, 101, .	2.9	9
33	Transition properties of low-lying states in ^{28}Si probed via inelastic proton and \hat{I}^\pm scattering. Physical Review C, 2020, 101, . $\langle \text{Si} \rangle$	2.9	6
34			

#	ARTICLE	IF	CITATIONS
37	(alpha) Inelastic Scattering Cross Sections Off ¹² C with Microscopic Coupled-channel Calculation. , 2020, , .		0
38	\hat{I}_{\pm} scattering cross sections on ¹² C with a microscopic coupled-channels calculation. Physical Review C, 2019, 99, .	2.9	17
39	First microscopic coupled-channels calculation of cross sections for inelastic \hat{I}_{\pm} scattering off ¹⁶ O. Physical Review C, 2019, 99, .	2.9	10
40	Quantitative description of the ²⁰ Ne(p, \hat{I}_{\pm}) ¹⁶ O reaction as a means of probing the surface \hat{I}_{\pm} amplitude. Physical Review C, 2019, 100, .	2.9	14
41	Quasifree Neutron Knockout from $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" } \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Ca} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 54 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Corroborates Arising $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" } \rangle \langle \text{mml:mi} \rangle \text{N} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle = \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 34 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle$ Neutr.	7.8	48
42	Large-amplitude quadrupole shape mixing probed by the (p,p') reaction: A model analysis. Progress of Theoretical and Experimental Physics, 2019, 2019, .	6.6	3
43	Direct probing of the cluster structure in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" } \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Be} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 12 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ via the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" } \rangle \langle \text{mml:mi} \rangle \hat{I}_{\pm} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -knockout reaction. Physical Review C, 2019, 99, .	2.9	11
44	Investigation of spatial manifestation of \hat{I}_{\pm} clusters in ¹⁶ O via \hat{I}_{\pm} -transfer reactions. Nuclear Physics A, 2019, 983, 38-52.	1.5	10
45	Coulomb breakup reactions of ^{93,94} Zr in inverse kinematics. Progress of Theoretical and Experimental Physics, 2019, 2019, .	6.6	3
46	⁷⁸ Ni revealed as a doubly magic stronghold against nuclear deformation. Nature, 2019, 569, 53-58.	27.8	120
47	Analysis of nucleon and triton emissions from nucleon- $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" } \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Li} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 7 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ collisions below 20 MeV. Physical Review C, 2019, 99, .	2.9	2
48	Microscopic calculation of inelastic proton scattering off ¹⁸ O, ¹⁰ Be, ¹² Be, and ¹⁶ C to study neutron excitation in neutron-rich nuclei. Physical Review C, 2019, 100, .	2.9	12
49	Borromean Feshbach resonance in ^{11}Li studied via $^{11}\text{Li}(\text{p},\text{p}')$. Progress of Theoretical and Experimental Physics, 2019, 2019, .	6.6	9
50	Soft giant resonance in two neutron halo nucleus ¹¹ Li. European Physical Journal A, 2019, 55, 1.	2.5	1
51	Toward a reliable description of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" } \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \text{p} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \text{g} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ reactions in the distorted-wave impulse approximation. Physical Review C, 2019, 100, .		
52	Nuclear structure of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" } \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Ni} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 76 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ from the $(\text{Tj ETQq0 0 0 rgBT /Overl} \text{ack 10 Tf 5}$		
53	Benchmarking theoretical formalisms for (p,pn) reactions: The ¹⁵ C(p,pn) ¹⁴ C case. Physical Review C, 2018, 97, .	2.9	11
54	Manifestation of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" } \rangle \langle \text{mml:mi} \rangle \hat{I}_{\pm} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ clustering in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" } \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Be} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 10 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ via $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" } \rangle \langle \text{mml:mi} \rangle \hat{I}_{\pm} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -knockout reacti	2.9	21

#	ARTICLE	IF	CITATIONS
73	Investigating \hat{L}_{\pm} clustering on the surface of ^{120}Sn via the ^{120}Sn reaction residues. Physical Review C, 2016, 94, .	2.9	37
74	Microscopic effective reaction theory for deuteron-induced reactions. Physical Review C, 2016, 94, .	2.9	12
75	Recent developments in the eikonal description of the breakup of exotic nuclei. Journal of Physics: Conference Series, 2016, 724, 012005.	0.4	2
76	Microscopic calculations based on chiral two- and three-nucleon forces for proton- and ^4He -nucleus scattering. Physical Review C, 2015, 92, .	2.9	41
77	Asymmetry of the parallel momentum distribution of ^4He reaction residues. Physical Review C, 2015, 92, .	2.9	38
78	Four-body dynamics in ^6Li elastic scattering. Physical Review C, 2015, 92, .	2.9	9
79	Extracting the Electric Dipole Breakup Cross Section of One-Neutron Halo Nuclei from Inclusive Breakup Observables. , 2015, , .		0
80	Breakup and finite-range effects on the $^8\text{B}(d,n)^9\text{C}$ reaction. Physical Review C, 2015, 91, .	2.9	10
81	Systematic Analysis for Distribution of Extra Neutrons and Core in Halo Nucleus. , 2015, , .		0
82	Extending the Eikonal Approximation to Low Energy. , 2015, , .		0
83	Dynamical Studies of the Formation and Decay of Particle-Unbound States. , 2015, , .		0
84	Breakup and Finite-Range Effects on the $^8\text{B}(d,n)^9\text{C}$ Reaction. , 2015, , .		0
85	Effect of Tensor Interactions in ^{16}O Studied via (p,d) Reaction. , 2015, , .		0
86	Eikonal reaction theory for two-neutron removal reactions. Physical Review C, 2014, 90, .	2.9	5
87	Analysis of a low-energy correction to the eikonal approximation. Physical Review C, 2014, 90, .	2.9	17
88	Breakup dynamics in ^6Li elastic scattering with four-body and three-body CDCC. Journal of Physics: Conference Series, 2014, 569, 012048.	0.4	0
89	Extracting the electric dipole breakup cross section of one-neutron halo nuclei from inclusive breakup observables. Progress of Theoretical and Experimental Physics, 2014, 2014, 53D03-0.	6.6	12
90	Study of Tensor Correlations in ^4He via the $^4\text{He}(p, dp)d$ and $^4\text{He}(p, dp)pn$ Reactions. Few-Body Systems, 2013, 54, 1353-1356.	1.5	2

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91	Eikonal Reaction Theory for One- and Two-Neutron Removal Reactions. Few-Body Systems, 2013, 54, 1417-1419.	1.5	0
92	Four-Body CDCC Analysis for Breakup Reactions of Three-Body Projectiles. Few-Body Systems, 2013, 54, 1437-1440.	1.5	0
93	Determination of $8B(p, \hat{1}^3)9C$ Reaction Rate From $9C$ Breakup. Few-Body Systems, 2013, 54, 1583-1586.	1.5	3
94	Non-resonant Triple- $\hat{1}\pm$ Reaction Rate at Low Temperature. Few-Body Systems, 2013, 54, 1607-1610.	1.5	1
95	Systematic analysis of nucleon scattering from ^{17}Li with the continuum discretized coupled channels method. Physical Review C, 2013, 87, .	2.9	17
96	Interplay between the and the nonresonant continuum of the drip-line two-neutron halo nucleus ^{22}C . Physical Review C, 2013, 88, .	2.9	18
97	Two neutron decay from the $21+$ state of 6He . Physical Review C, 2013, 88, .	2.9	14
98	Determination of the Structure of ^{31}Ne by a Fully Microscopic Framework. Physical Review Letters, 2012, 108, 052503.	7.8	91
99	$B(^8Li) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 427 Td$ (xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline")	2.9	13
100	Deformation of Ne isotopes in the region of the island of inversion. Physical Review C, 2012, 85, .	2.9	75
101	Effects of four-body breakup on 6Li elastic scattering near the Coulomb barrier. Physical Review C, 2012, 86, .	2.9	20
102	The continuum discretized coupled-channels method and its applications. Progress of Theoretical and Experimental Physics, 2012, 2012, 1A206-0.	6.6	90
103	Invariant-mass spectroscopy of the unbound nucleus ^{13}Be . , 2012, , .		0
104	Three-Body Model Calculation of Spin Distribution in Two-Nucleon Transfer Reaction for the System of $^{238}U(18O,16O)^{240}U$ Reaction. Journal of Nuclear Science and Technology, 2011, 48, 1337-1342.	1.3	3
105	Deformation effect on total reaction cross sections for neutron-rich Ne isotopes. Physical Review C, 2011, 84, .	2.9	63
106	Effective radii of deuteron-induced reactions. Physical Review C, 2011, 83, .	2.9	18
107	Eikonal Reaction Theory for Neutron Removal Reaction. Progress of Theoretical Physics, 2011, 126, 167-176.	2.0	29
108	Three-Body Model Analysis of Subbarrier \hat{A} Transfer Reaction. Progress of Theoretical Physics, 2011, 125, 1193-1204.	2.0	7

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109	Three-Body Model Calculation of Spin Distribution in Two-Nucleon Transfer Reaction for the System of $^{238}\text{U}(18\text{O},16\text{O})^{240}\text{U}$ Reaction. Journal of Nuclear Science and Technology, 2011, 48, 1337-1342.	1.3	1
110	Low-lying intruder state of the unbound nucleus ^{13}Be . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 690, 245-249.	4.1	72
111	Dynamical Relativistic Effects in Breakup Processes of Halo Nuclei. Progress of Theoretical Physics, 2010, 123, 701-718.	2.0	24
112	MICROSCOPIC APPROACH TO SCATTERING OF UNSTABLE NUCLEI. Modern Physics Letters A, 2010, 25, 1754-1758.	1.2	0
113	Brief review of localization of the microscopic nucleon nucleus potential. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 085011.	3.6	65
114	Quantum three-body calculation of nonresonant triple- α reaction rate at low temperatures. , 2010, , .		1
115	Nuclear Astrophysics Studies with the Method of Continuum-Discretized Coupled-Channels. , 2010, , .		0
116	Observation of a Large Reaction Cross Section in the Drip-Line Nucleus ^{22}C . Physical Review Letters, 2010, 104, 062701.	7.8	198
117	One-neutron removal reactions of ^{18}C and ^{19}C on a proton target. Physical Review C, 2009, 79, .	2.9	39
118	COUPLED-CHANNELS ANALYSES OF ^{6}He BREAKUP REACTIONS. International Journal of Modern Physics A, 2009, 24, 2191-2197.	1.5	2
119	Dissociation of Relativistic Projectiles with the Continuum-Discretized Coupled-Channels Method. Progress of Theoretical Physics, 2009, 121, 1399-1406.	2.0	21
120	Smoothing Method of Discrete Breakup S-Matrix Elements in the Theory of Continuum-Discretized Coupled Channels. Progress of Theoretical Physics, 2009, 121, 885-894.	2.0	7
121	Description of Four-Body Breakup Reaction with the Method of Continuum-Discretized Coupled-Channels. Progress of Theoretical Physics, 2009, 121, 789-807.	2.0	11
122	New Approach for Evaluating Incomplete and Complete Fusion Cross Sections with Continuum-Discretized Coupled-Channels Method. Progress of Theoretical Physics, 2009, 122, 1291-1300.	2.0	28
123	Properties of Nuclear and Coulomb Breakup of ^{8}B . Journal of the Physical Society of Japan, 2009, 78, 084201.	1.6	4
124	Quantum Three-Body Calculation of the Nonresonant Triple- α Reaction Rate at Low Temperatures. Progress of Theoretical Physics, 2009, 122, 1055-1064.	2.0	66
125	Analysis of (K_-,K_+) Inclusive Spectrum with Semiclassical Distorted Wave Model. Progress of Theoretical Physics, 2008, 119, 1005-1027.	2.0	5
126	A New Glauber Theory Based on Multiple Scattering Theory. Progress of Theoretical Physics, 2008, 120, 767-783.	2.0	28

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127	Quenching of the analyzing power for inclusive quasielastic (T_j) scattering. Physical Review C, 2007, 76, .	2.9	4
128	Determination of S_{17} from $8B$ breakup by means of the method of continuum-discretized coupled-channels. AIP Conference Proceedings, 2006, , .	0.4	0
129	Coulomb breakup effects on the elastic cross section of $He6+Bi209$ scattering near Coulomb barrier energies. Physical Review C, 2006, 73, .	2.9	113
130	Semiclassical distorted-wave model analysis of the $(\hat{\epsilon}^{\sim}, K^+)$ formation inclusive spectrum. Physical Review C, 2006, 74, .	2.9	51
131	Determination of S_{17} from $8B$ breakup by means of the method of continuum-discretized coupled channels. Physical Review C, 2006, 73, .	2.9	42
132	Continuum-discretized coupled-channels method for four-body breakup reactions. AIP Conference Proceedings, 2005, , .	0.4	2
133	Continuum-discretized coupled-channels method for four-body nuclear breakup in $He6+C12$ scattering. Physical Review C, 2004, 70, .	2.9	137
134	Gaussian expansion approach to nuclear and Coulomb breakup. Physical Review C, 2004, 70, .	2.9	37
135	DETERMINATION OF S_{17} BASED ON CDCC ANALYSIS OF 8B DISSOCIATION. , 2004, , .		0
136	New treatment of breakup continuum in the method of continuum discretized coupled channels. Physical Review C, 2003, 68, .	2.9	90
137	Determination of S_{17} from the ${}^7Be(d,n){}^8B$ reaction. Physical Review C, 2003, 67, .	2.9	33
138	New coupled-channel approach to nuclear and Coulomb breakup reactions. Physical Review C, 2003, 68, .	2.9	40
139	DEPENDENCE OF THE COMPLETE SET OF SPIN TRANSFER COEFFICIENTS ON EFFECTIVE INTERACTION IN NUCLEAR MEDIUM. , 2003, , .		0
140	Cross sections and polarization observables for the ${}^{40}Ca(p,n)$ reaction at 345 MeV and multistep contributions in the continuum. Physical Review C, 2002, 65, .	2.9	6
141	Semiclassical Distorted Wave Model Analysis of Inclusive (N, N^{\sim}) Reactions for Incident Energies up to 400 MeV. Journal of Nuclear Science and Technology, 2002, 39, 750-753.	1.3	0
142	Semiclassical distorted wave model analysis of the complete set of spin transfer coefficients for multistep direct (p, nx) at 350 MeV. Nuclear Physics A, 2002, 703, 152-166.	1.5	8
143	DETERMINATION OF S_{17} BASED ON CDCC ANALYSES FOR ${}^7Be(d,n){}^8B$. , 2002, , .		0
144	Calculation of the complete set of spin transfer coefficients including one- and two-step processes in (p, nx) reaction at 346 MeV. AIP Conference Proceedings, 2001, , .	0.4	0

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145	CALCULATION OF SPIN OBSERVABLES WITH THE SEMI-CLASSICAL DISTORTED WAVE (SCDW) MODEL. , 2000, , .		0
146	Semiclassical distorted wave model analysis of multistep direct(p, α) and (p, n) reactions to the continuum. Physical Review C, 1999, 59, 2136-2151.	2.9	22
147	Semiclassical distorted wave model with Wigner transform of one-body density matrix. Physical Review C, 1999, 60, .	2.9	13
148	Theoretical modification on semiclassical distorted wave model and its application to the study of spin observables. Physical Review C, 1999, 60, .	2.9	13
149	The Mass Difference Measurement of ($^{12}\text{C}^{21}\text{H}4-^{12}\text{C}^{16}\text{O}$), ($^{12}\text{C}^{14}\text{H}4-^{14}\text{N}2$), ($^{14}\text{N}2-^{12}\text{C}^{16}\text{O}$) and ($^{12}\text{C}^{21}\text{H}4-^{12}\text{C}^{22}\text{D}2$) Doublets. Journal of the Mass Spectrometry Society of Japan, 1969, 17, 705-731.	0.1	2
150	Isotopic Anomalies of Xenon from Tellurium minerals. Journal of the Mass Spectrometry Society of Japan, 1968, 16, 113-154.	0.1	4
151	The Half-life of ^{130}Te Double β^2 -decay. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1966, 21, 84-90.	1.5	70
152	Preliminary Report on a large Mass Spectrograph newly constructed at Osaka University. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1955, 10, 843-850.	1.5	10
153	Physics and Chemistry: Preliminary Report on the Masses of ^{12}C and ^{14}N . Nature, 1939, 143, 797-797.	27.8	12
154	Systematic study on the role of various higher-order processes in the breakup of weakly-bound projectiles. Progress of Theoretical and Experimental Physics, 0, , .	6.6	1