

# Kenichi Yoshida

## List of Publications by Year in descending order

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88  
papers

2,165  
citations

304743

22  
h-index

223800

46  
g-index

90  
all docs

90  
docs citations

90  
times ranked

1073  
citing authors

#	ARTICLE	IF	CITATIONS
1	Super- and hyperdeformation in $Zn$ nuclei. Physical Review C, 2022, 105, .	2.9	1
2	Cranked Skyrme-Hartree-Fock-Bogoliubov approach for a mean-field description of nuclear rotations near the drip line. Physical Review C, 2022, 105, .	2.9	3
3	Microscopic description of cluster decays based on the generator coordinate method. Physical Review C, 2022, 105, .	2.9	2
4	Various nuclear structures in $Xe$ studied by $\beta$ decay of ground and isomeric states in $^{140}Ge$ . Journal of the Korean Physical Society, 2022, 81, 113-120.	2.9	1
5	KIDS density functional for deformed nuclei: examples of the even-even Nd isotopes. Journal of the Korean Physical Society, 2022, 81, 113-120.	0.7	2
6	Applications of the dynamical generator coordinate method to quadrupole excitations. Physical Review C, 2022, 105, .	2.9	2
7	Proton-induced deuteron knockout reaction as a probe of an isoscalar proton-neutron pair in nuclei. Physical Review C, 2021, 103, .	2.9	2
8	Generator coordinate method with a conjugate momentum: Application to particle number projection. Physical Review C, 2021, 103, .	2.9	6
9	Electron wave functions in beta-decay formulas revisited (I): Gamow-Teller and spin-dipole contributions to allowed and first-forbidden transitions. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	3
10	Spin-triplet proton-neutron pair in spin-dipole excitations. Physical Review C, 2021, 104, .	2.9	1
11	Isovector spin susceptibility: Isotopic evolution of collectivity in spin response. Physical Review C, 2021, 104, .	2.9	3
12	Role of triaxiality in deformed halo nuclei. Physical Review C, 2021, 104, .	2.9	4
13	Pairing and nonaxial-shape correlations in $N=150$ isotones. Physical Review C, 2021, 104, .	2.9	3
14	Hartree-Fock-Bogoliubov theory for odd-mass nuclei with a time-odd constraint and application to deformed halo nuclei. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	18
15	Microscopic derivation of density functional theory for superfluid systems based on effective action formalism. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	7
16	Isovector giant monopole and quadrupole resonances in a Skyrme energy density functional approach with axial symmetry. Physical Review C, 2021, 104, .	2.9	3
17	Signature-dependent triaxiality for shape evolution from superdeformation in rapidly rotating $^{40}Ca$ and $^{41}Ca$ . Progress of Theoretical and Experimental Physics, 2020, 2020, .	6.6	5
18	Charge-exchange dipole excitations in deformed nuclei. Physical Review C, 2020, 102, .	2.9	4

#	ARTICLE	IF	CITATIONS
19	Ground States of Odd-mass Nuclei in Nuclear Density-functional Theory under a Time-odd External Field. , 2020, , .		0
20	Search for the $\hat{I}\pm$ Condensed State by Measuring the Inelastic Resonance Scattering $^{12}\text{C}(^{12}\text{C}, ^{12}\text{C})[(0_{2}^{-})^{\dagger}]T_{j}ETQq000rgBT/Overlo$		
21	Particle Identification by Pulse-Shape Analysis with Neural Network. , 2020, , .		0
22	Suddenly shortened half-lives beyond magic number and high-energy nonunique first-forbidden transitions. Physical Review C, 2019, 100, .	2.9	9
23	Interplay of quasiparticle and vibrational excitations: First observation of isomeric states in $^{168}\text{Dy}$ and $^{169}\text{Dy}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 799, 135036.	4.1	8
24	Experimental study of Gamow-Teller transitions via the high-energy-resolution $\beta$ decay of $^{18}\text{O}$ . Physical Review Letters, 2019, 123, 082501.	2.9	14
25	Functional renormalization-group calculation of the equation of state of one-dimensional uniform matter inspired by the Hohenberg-Kohn theorem. Physical Review C, 2019, 99, .	2.9	16
26	Ab-initio description of excited states of 1D uniform matter with the Hohenberg-Kohn theorem-inspired functional-renormalization-group method. Progress of Theoretical and Experimental Physics, 2019, 2019, 098/Math/MathML><math>K</math>	6.6	13
27	isomers in the neutron-rich isotones $^{100}\text{Zr}$ and $^{100}\text{Mo}$ . Physical Review Letters, 2019, 123, 082501.	2.9	19
28	Yang-Baxter $\mathcal{R}$ -models, conformal twists, and noncommutative Yang-Mills theory. Physical Review D, 2017, 95, .	4.7	61
29	Charge-exchange dipole excitations in neutron-rich nuclei: $^{12}\text{C}(\alpha, n)^{15}\text{O}$ , anti-analog pygmy and anti-analog giant resonances. Physical Review C, 2017, 96, .		
30	$f$ in generalized supergravity. European Physical Journal C, 2017, 77, 1.	3.9	33
31	Spin-isospin Responses Of Deformed Neutron-rich Nuclei. , 2017, , .		1
32	Enhanced collectivity of $\gamma$ vibration in neutron-rich Dy isotopes with $N=108$ – $110$ . Progress of Theoretical and Experimental Physics, 2016, 2016, 123D02.	6.6	3
33	Microscopic derivation of the quadrupole collective Hamiltonian for shape coexistence/mixing dynamics. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 024006.	3.6	16
34	Long-lived K isomer and enhanced $\hat{I}^3$ vibration in the neutron-rich nucleus $^{172}\text{Dy}$ : Collectivity beyond double midshell. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 641-646.	4.1	24
35	Deformation effects on isoscalar giant resonances in $^{24}\text{Mg}$ . Physical Review C, 2016, 93, .	2.9	28
36	Effect of ground-state deformation on isoscalar giant resonances in $^{28}\text{Si}$ . Physical Review C, 2016, 93, .	2.9	31

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37	Microscopic derivation of the Bohr-Mottelson collective Hamiltonian and its application to quadrupole shape dynamics. Physica Scripta, 2016, 91, 063014.	2.5	16
38	High-resolution study of Gamow-Teller excitations in the $^{42}\text{Ca}$ nucleus. <i>Physical Review C</i> , 2014, 90, 024302.	2.9	37
39	Charge-exchange modes of excitation in deformed neutron-rich nuclei. AIP Conference Proceedings, 2015, , .	0.4	1
40	Water/CH Neutrino Cross Section Measurement at J-PARC (WAGASCI Experiment). , 2015, , .		4
41	Splitting of ISGMR strength in the light-mass nucleus $^{24}\text{Mg}$ due to ground-state deformation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 343-346.	4.1	31
42	Proton-neutron pairing vibrations in $^{22}\text{Ne}$ . Precursory soft mode of isoscalar pairing condensation. <i>Physical Review C</i> , 2014, 90, .	2.9	22
43	Quadrupole shape dynamics from the viewpoint of a theory of large-amplitude collective motion. Physica Scripta, 2014, 89, 054020.	2.5	2
44	Spin-isospin response of deformed neutron-rich nuclei in a self-consistent Skyrme energy-density-functional approach. Progress of Theoretical and Experimental Physics, 2013, 2013, 113D02-113D02.	6.6	30
45	Shape evolution of giant resonances in Nd and Sm isotopes. <i>Physical Review C</i> , 2013, 88, .	2.9	42
46	Skyrme energy-density functional approach to collective modes of excitation in exotic nuclei. Journal of Physics: Conference Series, 2013, 445, 012027.	0.4	0
47	SKYRME ENERGY-DENSITY FUNCTIONAL APPROACH TO COLLECTIVE MODES OF EXCITATION IN EXOTIC NUCLEI. , 2013, , .		0
48	Collective Excitation in Exotic Nuclei. Progress of Theoretical Physics Supplement, 2012, 196, 158-165.	0.1	0
49	Shape transition and fluctuations in neutron-rich Cr isotopes around $N=40$ . <i>Physical Review C</i> , 2012, 86, .	2.9	35
50	Microscopic Analysis of Shape Coexistence/Mixing and Shape Phase Transition in Neutron-Rich Nuclei around $^{32}\text{Mg}$ . Progress of Theoretical Physics Supplement, 2012, 196, 328-333.	0.1	0
51	Large-amplitude quadrupole collective dynamics in neutron-rich $^{24}\text{Mg}$ and $^{52}\text{Cr}$ isotopes. , 2012, , .		0
52	Density functional approaches to nuclear dynamics. Journal of Physics: Conference Series, 2012, 387, 012015.	0.4	3
53	Excitation of $^{20}\text{Ne}$ shell in $^{20}\text{Ne}$ . <i>Physical Review C</i> , 2012, 86, 014302.	4.1	11
54	Interaction cross sections for Ne isotopes towards the island of inversion and halo structures of $^{29}\text{Ne}$ and $^{31}\text{Ne}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 357-361.	4.1	118

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55	Shape fluctuations in the ground and excited states of $^{30}\text{Mg}$ and $^{32}\text{Mg}$ . Physical Review C, 2011, 83, .	2.9	47
56	Skyrme energy-density functional approach to collective dynamics. Journal of Physics: Conference Series, 2011, 321, 012017.	0.4	3
57	Shape changes and large-amplitude collective dynamics in neutron-rich Cr isotopes. Physical Review C, 2011, 83, .	2.9	30
58	Dipole responses in Nd and Sm isotopes with shape transitions. Physical Review C, 2011, 83, .	2.9	55
59	Title is missing!. Acta Physica Polonica B, 2011, 42, 609.	0.8	8
60	Exotic modes of excitation in deformed neutron-rich nuclei. , 2011, , .		0
61	Microscopic description of large-amplitude shape-mixing dynamics with local QRPA inertial functions. , 2011, , .		0
62	Roles of deformation and neutron excess on the giant monopole resonance in neutron-rich Zr isotopes. Physical Review C, 2010, 82, .	2.9	18
63	Canonical-basis time-dependent Hartree-Fock-Bogoliubov theory and linear-response calculations. Physical Review C, 2010, 82, .	2.9	133
64	COLLECTIVE MODES OF EXCITATION IN DEFORMED NEUTRON-RICH $^{24}\text{Mg}$ ISOTOPES. Modern Physics Letters A, 2010, 25, 1783-1786.	1.2	12
65	Monopole Modes of Excitation in Deformed Neutron-rich Mg Isotopes. , 2009, , .		1
66	Pygmy dipole mode in deformed neutron-rich Mg isotopes close to the drip line. Physical Review C, 2009, 80, .	2.9	20
67	Core polarization for the electric quadrupole moment of neutron-rich aluminum isotopes. Physical Review C, 2009, 79, .	2.9	18
68	Rotational Frequency Dependence of Octupole Vibrations on Superdeformed States in $^{40}\text{Ca}$ . Progress of Theoretical Physics, 2009, 121, 357-374.	2.0	8
69	Skyrme-QRPA calculations for low-lying excitation modes in deformed neutron-rich nuclei. European Physical Journal A, 2009, 42, 583.	2.5	12
70	Halo Structure of the Island of Inversion Nucleus $^{31}\text{Ne}$ . Physical Review Letters, 2009, 103, 262501.	7.8	182
71	LOW-LYING EXCITATION MODES IN DEFORMED NEUTRON-RICH NUCLEI. International Journal of Modern Physics E, 2008, 17, 272-285.	1.0	0
72	Triaxiality Dependence of Octupole Excitations on Superdeformed States in $^{44}\text{Ti}$ . Progress of Theoretical Physics, 2008, 120, 1169-1192.	2.0	3

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73	Deformed quasiparticle-random-phase approximation for neutron-rich nuclei using the Skyrme energy density functional. Physical Review C, 2008, 78, .	2.9	71
74	Decay Pattern of Pygmy States Observed in Neutron-Rich $^{26}\text{Ne}$ . Physical Review Letters, 2008, 101, 212503.	7.8	49
75	Low-frequency pairing- and $\hat{I}^2$ -vibrational modes of neutrons in deformed neutron-rich nuclei: Pairing- and $\hat{I}^2$ -vibrational modes of neutrons. Physical Review C, 2008, 77, .	2.9	19
76	Low-lying dipole resonance in neutron-rich Ne isotopes. Physical Review C, 2008, 78, .	2.9	24
77	SOFT $K^{\pi} = 0^+_{g.s.}$ MODES UNIQUE TO DEFORMED NEUTRON-RICH UNSTABLE NUCLEI. , 2008, . ,		0
78	Search for low lying dipole strength in the neutron rich nucleus $^{26}\text{Ne}$ . Nuclear Physics A, 2007, 788, 153-158.	1.5	18
79	Dynamic pairing effects on low-frequency modes of excitation in deformed Mg isotopes close to the neutron drip line. Physica Scripta, 2006, T125, 45-48.	2.5	5
80	Pairing and continuum effects on low-frequency quadrupole vibrations in deformed Mg isotopes close to the neutron drip line. Nuclear Physics A, 2006, 779, 99-115.	1.5	26
81	Microscopic structure of negative-parity vibrations built on superdeformed states in sulfur isotopes close to the neutron drip line. European Physical Journal A, 2005, 25, 557-558.	2.5	0
82	Comparative Study of Octupole Excitations on Superdeformed States in $^{32}\text{S}$ , $^{36}\text{S}$ , $^{40}\text{Ca}$ and $^{50}\text{S}$ . Progress of Theoretical Physics, 2005, 113, 1251-1272.	2.0	10
83	Role of low-l-component in deformed wave functions near the continuum threshold. Physical Review C, 2005, 72, .	2.9	15
84	Barrier penetration and rotational damping of thermally excited superdeformed nuclei. Nuclear Physics A, 2001, 696, 85-122.	1.5	23
85	New Magic Number, $N=16$ , near the Neutron Drip Line. Physical Review Letters, 2000, 84, 5493-5495.	7.8	441
86	$^{12}\text{C}$ SCATTERING AND STOPPED- $^{12}\text{C}$ REACTION. , 2000, . ,		0
87	Neutron Skin of Na Isotopes Studied via Their Interaction Cross Sections. Physical Review Letters, 1995, 75, 3241-3244.	7.8	200
88	Errata-Publisher's Note: Electron wave functions in beta-decay formulas revisited (I): Gamowâ€‘Teller and spin-dipole contributions to allowed and first-forbidden transitions. Progress of Theoretical and Experimental Physics, 0, . ,	6.6	0