Kenichi Yoshida

List of Publications by Year
in descending order

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	New Magic Number, N=16, near the Neutron Drip Line. Physical Review Letters, 2000, 84, 5493-5495.	7.8	441
2	Neutron Skin of Na Isotopes Studied via Their Interaction Cross Sections. Physical Review Letters, 1995, 75, 3241-3244.	7.8	200
3	Halo Structure of the Island of Inversion Nucleus ^{31}Ne. Physical Review Letters, 2009, 103, 262501.	7.8	182
4	Canonical-basis time-dependent Hartree-Fock-Bogoliubov theory and linear-response calculations. Physical Review C, 2010, 82, .	2.9	133
5	Interaction cross sections for Ne isotopes towards the island of inversion and halo structures of 29Ne and 31Ne. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 357-361.	4.1	118
6	Deformed quasiparticle-random-phase approximation for neutron-rich nuclei using the Skyrme energy density functional. Physical Review C, 2008, 78, .	2.9	71
7	Yang-Baxter $\hat{I}f$-models, conformal twists, and noncommutative Yang-Mills theory. Physical Review D, 2017, 95, .	4.7	61
8	Dipole responses in Nd and Sm isotopes with shape transitions. Physical Review C, 2011, 83, .	2.9	55
9	Decay Pattern of Pygmy States Observed in Neutron-Rich $^{}$Ne. Physical Review Letters, 2008, 101, 212503.	7.8	49
10	Shape fluctuations in the ground and excited 0^+ states of ^{30,32,34}... Physical Review C,	2.9	47
11	Shape evolution of giant resonances in Nd and Sm isotopes. Physical Review C, 2013, 88, .	2.9	42
12	High-resolution study of Gamow-Teller excitations in the ^{42}Ca(</mml:mo> Tj ET	2.9	37
13	Shape transition and fluctuations in neutron-rich Cr isotopes around N=40. Physical Review C, 2012, 86, .	2.9	35
14	I in generalized supergravity. European Physical Journal C, 2017, 77, 1.	3.9	33
15	Splitting of ISGMR strength in the light-mass nucleus 24 Mg due to ground-state deformation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 343-346.	4.1	31
16	Effect of ground-state deformation on isoscalar giant resonances in ^{28}Si. Physical Review C, 2016, 93, .	2.9	31
17	Shape changes and large-amplitude collective dynamics in neutron-rich Cr isotopes. Physical Review C, 2011, 83, .	2.9	30
18	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

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19	Deformation effects on isoscalar giant resonances in $^{24}\mathrm{Mg}$. Physical Review C, 2016, 93, .	2.9	28
20	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
21	Low-lying dipole resonance in neutron-rich Ne isotopes. Physical Review C, 2008, 78, .	2.9	24
22	Long-lived K isomer and enhanced Î³ vibration in the neutron-rich nucleus 172Dy: Collectivity beyond double midshell. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 641-646.	4.1	24
23	Barrier penetration and rotational damping of thermally excited superdeformed nuclei. Nuclear Physics A, 2001, 696, 85-122.	1.5	23
24	Proton-neutron pairing vibrations in $N=Z$ nuclei: Precursory soft mode of isoscalar pairing condensation. Physical Review C, 2014, 90, .	2.9	22
25	Pygmy dipole mode in deformed neutron-rich Mg isotopes close to the drip line. Physical Review C, 2009, 80, .	2.9	20
26	Low-frequency K^{π} in deformed neutron-rich nuclei: Pairing- and Î²-vibrational modes of neutrons. Physical Review C, 2008, 77, .	2.9	19
27	Isomers in the neutron-rich $N=100$ isotones $^{162}\mathrm{Sm}$.	2.9	19
28	Search for low lying dipole strength in the neutron rich nucleus 26Ne. Nuclear Physics A, 2007, 788, 153-158.	1.5	18
29	Core polarization for the electric quadrupole moment of neutron-rich aluminum isotopes. Physical Review C, 2009, 79, .	2.9	18
30	Roles of deformation and neutron excess on the giant monopole resonance in neutron-rich Zr isotopes. Physical Review C, 2010, 82, .	2.9	18
31	Hartreeâ€"Fockâ€"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
32	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
33	Microscopic derivation of the Bohrâ€"Mottelson collective Hamiltonian and its application to quadrupole shape dynamics. Physica Scripta, 2016, 91, 063014.	2.5	16
34	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
35	Role of low-lcomponent in deformed wave functions near the continuum threshold. Physical Review C, 2005, 72, .	2.9	15
36	Experimental study of Gamow-Teller transitions via the high-energy-resolution $^{18}\mathrm{O}({}^{3}\mathrm{He}$	2.9	14

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37	$Ab\sim initio$ description of excited states of 1D uniform matter with the Hohenbergâ€"Kohn-theorem-inspired functional-renormalization-group method. Progress of Theoretical and Experimental Physics, 2019, 2019, .	6.6	13
38	Skyrme-QRPA calculations for low-lying excitation modes in deformed neutron-rich nuclei. European Physical Journal A, 2009, 42, 583.	2.5	12
39	COLLECTIVE MODES OF EXCITATION IN DEFORMED NEUTRON-RICH Mg ISOTOPES. Modern Physics Letters A, 2010, 25, 1783-1786.	1.2	12
40	Erosion of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mn>20</mml:mn></mml:math> shell in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">Al</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>33</mml:mn></mml:mrow></mml:mmultiscripts></mml:math> investigated thr	4.1	11
41	Comparative Study of Octupole Excitations on Superdeformed States in 32S, 36S, 40Ca and 50S. Progress of Theoretical Physics, 2005, 113, 1251-1272.	2.0	10
42	Suddenly shortened half-lives beyond <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Ni</mml:mi><mml:mprescripts /><mml:none /><mml:mn>78</mml:mn></mml:mmultiscripts><mml:mo>:</mml:mo><mml:mrow><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mm magic number and high-energy nonunique first-forbidden transitions. Physical Review C, 2019, 100, .	2.9	9
43	Rotational Frequency Dependence of Octupole Vibrations on Superdeformed States in 40Ca. Progress of Theoretical Physics, 2009, 121, 357-374.	2.0	8
44	Title is missing!. Acta Physica Polonica B, 2011, 42, 609.	0.8	8
45	Charge-exchange dipole excitations in neutron-rich nuclei: <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mo>â^'</mml:mo><mml:mn>1</mml:mn></mml:mn><mml:m>â„, anti-analog pygmy and anti-analog giant resonances. Physical Review C, 2017, 96, .	2.9	8
46	Interplay of quasiparticle and vibrational excitations: First observation of isomeric states in 168Dy and 169Dy. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 799, 135036.	4.1	8
47	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
48	Generator coordinate method with a conjugate momentum: Application to particle number projection. Physical Review C, 2021, 103, .	2.9	6
49	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
50	Signature-dependent triaxiality for shape evolution from superdeformation in rapidly rotating 40Ca and 41Ca. Progress of Theoretical and Experimental Physics, 2020, 2020, .	6.6	5
51	Water/CH Neutrino Cross Section Measurement at J-PARC (WAGASCI Experiment). , 2015, , .		4
52	Charge-exchange dipole excitations in deformed nuclei. Physical Review C, 2020, 102, .	2.9	4
53	Role of triaxiality in deformed halo nuclei. Physical Review C, 2021, 104, .	2.9	4
54	Triaxiality Dependence of Octupole Excitations on Superdeformed States in 44Ti. Progress of Theoretical Physics, 2008, 120, 1169-1192.	2.0	3

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55	Skyrme energy-density functional approach to collective dynamics. Journal of Physics: Conference Series, 2011, 321, 012017.	0.4	3
56	Density functional approaches to nuclear dynamics. Journal of Physics: Conference Series, 2012, 387, 012015.	0.4	3
57	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
58	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
59	Isovector spin susceptibility: Isotopic evolution of collectivity in spin response. Physical Review C, 2021, 104, .	2.9	3
60	Pairing and nonaxial-shape correlations in N=150 isotones. Physical Review C, 2021, 104, .	2.9	3
61	Isovector giant monopole and quadrupole resonances in a Skyrme energy density functional approach with axial symmetry. Physical Review C, 2021, 104, .	2.9	3
62	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
63	Quadrupole shape dynamics from the viewpoint of a theory of large-amplitude collective motion. Physica Scripta, 2014, 89, 054020.	2.5	2
64	Proton-induced deuteron knockout reaction as a probe of an isoscalar proton-neutron pair in nuclei. Physical Review C, 2021, 103, .	2.9	2
65	Microscopic description of cluster decays based on the generator coordinate method. Physical Review C, 2022, 105, .	2.9	2
66	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
67	Applications of the dynamical generator coordinate method to quadrupole excitations. Physical Review C, 2022, 105, .	2.9	2
68	Monopole Modes of Excitation in Deformed Neutron-rich Mg Isotopes. , 2009, , .		1
69	Charge-exchange modes of excitation in deformed neutron-rich nuclei. AIP Conference Proceedings, 2015, , .	0.4	1
70	Spin-triplet proton-neutron pair in spin-dipole excitations. Physical Review C, 2021, 104, .	2.9	1
71	Spin-isospin Responses Of Deformed Neutron-rich Nuclei. , 2017, , .		1
72	Super- and hyperdeformation in ^{60}Zn, ^{62}Zn, and $^{}Ge$ ...	2.9	1

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73	nuclear structures in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Xe</mml:mi><mml:mprescripts /><mml:none /><mml:mn>140</mml:mn></mml:mmultiscripts></mml:math> studied by <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>β</mml:mi></mml:math> decay of ground and isomeric states in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>	2.9	1
74	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
75	LOW-LYING EXCITATION MODES IN DEFORMED NEUTRON-RICH NUCLEI. International Journal of Modern Physics E, 2008, 17, 272-285.	1.0	0
76	Exotic modes of excitation in deformed neutron-rich nuclei. , 2011, , .		0
77	Microscopic description of large-amplitude shape-mixing dynamics with local QRPA inertial functions. , 2011, , .		0
78	Collective Excitation in Exotic Nuclei. Progress of Theoretical Physics Supplement, 2012, 196, 158-165.	0.1	0
79	Microscopic Analysis of Shape Coexistence/Mixing and Shape Phase Transition in Neutron-Rich Nuclei around ^{32}Mg. Progress of Theoretical Physics Supplement, 2012, 196, 328-333.	0.1	0
80	Large-amplitude quadrupole collective dynamics in neutron-rich Mg and Cr isotopes. , 2012, , .		0
81	Skyrme energy-density functional approach to collective modes of excitation in exotic nuclei. Journal of Physics: Conference Series, 2013, 445, 012027.	0.4	0
82	Ground States of Odd-mass Nuclei in Nuclear Density-functional Theory under a Time-odd External Field. , 2020, , .		0
83	α^{-}P SCATTERING AND STOPPED-α^{-12}C REACTION. , 2000, , .		0
84	SOFT K^π = 0⁺ MODES UNIQUE TO DEFORMED NEUTRON-RICH UNSTABLE NUCLEI. , 2008, , .		0
85	SKYRME ENERGY-DENSITY FUNCTIONAL APPROACH TO COLLECTIVE MODES OF EXCITATION IN EXOTIC NUCLEI. , 2013, , .		0
86	Search for the α Condensed State by Measuring the Inelastic Resonance Scattering 12C(12C,12C[(0_{2}^{) Tj ETQq0 0 0 rgBT /Overlo		0
87	Particle Identification by Pulse-Shape Analysis with Neural Network. , 2020, , .		0
88	Errata-Publisher's Note: 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, 0, , .	6.6	0