

Yasuro Funaki

List of Publications by Year in descending order

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101
papers

2,575
citations

186265

28
h-index

189892

50
g-index

101
all docs

101
docs citations

101
times ranked

673
citing authors

#	ARTICLE	IF	CITATIONS
1	Container picture for 3^+ and 4^+ states of ^{12}C . Few-Body Systems, 2022, 63, 1.	1.5	0
2	Alpha condensate and dynamics of cluster formation. European Physical Journal A, 2021, 57, 1.	2.5	2
3	Properties of ^{8-11}Be isotopes with isospin-dependent spin-orbit potential in a cluster approach. European Physical Journal A, 2021, 57, 1.	2.5	5
4	Search for α condensed states in ^{13}C using α inelastic scattering. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	1
5	Nonlocalized clustering and evolution of cluster structure in nuclei. Frontiers of Physics, 2020, 15, 1.	5.0	21
6	Resonant states of ^9Li with ^9Li \rightarrow $^8\text{Li} + n$ decay to a doubly magic core in the quartetting wave function approach. Physical Review C, 2020, 101, .	2.9	3
7	Investigation of isospin-triplet and isospin-singlet pairing in the $A=10$ nuclei ^{10}B , ^{10}Be , and ^{10}C with an extension of the Tohsaki-Horiuchi-Schuck-Röpke wave function. Physical Review C, 2019, 100, .	2.9	37
8	Nuclear electric dipole moment in the cluster model with a triton. Physical Review C, 2019, 100, .	2.9	7
9	Nonlocalized motion in a two-dimensional container of ^3He particles in 3^+ and 4^+ states of ^{12}C . Physical Review C, 2019, 99, .	2.9	9
10	Three-Body Structure of $^{9}_{\lambda}\text{Be}$ with α Cluster Model. Few-Body Systems, 2019, 60, 1.	2.9	6
11	Evidence of Enhanced 3^+ Radius in ^{12}C Probed by Nuclear Reactions. , 2019, , .	1.5	3
12	Container evolution for cluster structures in ^9Li \rightarrow $^8\text{Li} + n$ decay to a doubly magic core in the quartetting wave function approach. Physical Review C, 2018, 97, .	2.9	0
13	Systematic analysis of inelastic ^9Li scattering off self-conjugate nuclei. Physical Review C, 2018, 97, .	2.9	26
14	Container evolution and dynamics of cluster formation. EPJ Web of Conferences, 2018, 194, 06002.	2.9	22
15	Enhanced 3^+ radius in ^{12}C probed by nuclear reactions. AIP Conference Proceedings, 2018, , .	0.3	0
16	Container evolution and dynamics of cluster formation. AIP Conference Proceedings, 2018, , .	0.4	0
17	Investigation of the ^9Be nucleus and its cluster-nucleon correlations. Physical Review C, 2018, 97, .	0.4	0
18	Investigation of the ^9Be nucleus and its cluster-nucleon correlations. Physical Review C, 2018, 97, .	2.9	16

#	ARTICLE	IF	CITATIONS
19	Electric dipole moment of C^{13} . Physical Review C, 2017, 95, .	2.9	16
20	Alpha-Like Clustering in ^{20}Ne from a Quartetting Wave Function Approach. Journal of Low Temperature Physics, 2017, 189, 383-409.	1.4	14
21	Alpha Decay Width of ^{212}Po from a quartetting wave function approach. Journal of Physics: Conference Series, 2017, 863, 012006.	0.4	4
22	Multi-cluster dynamics in C^{12} . Physical Review C, 2016, 94, .	4.1	19
23	analogy to clustering in C^{12} . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 355, 277-281.	2.9	69
24	Alpha-Particle Condensate Structure of the Hoyle State: where do we stand?. Journal of Physics: Conference Series, 2017, 863, 012005.	0.4	0
25	Monopole excitation of the Hoyle state and linear-chain state in ^{12}C . Physical Review C, 2016, 94, .	2.9	21
26	Investigation on ^{212}Po from a quartetting wave function approach. Physical Review C, 2016, 93, .	2.9	74
27	^{10}Be and its cluster dynamics with the nonlocalized clustering approach. Physical Review C, 2016, 93, .	2.9	36
28	Alpha particle clusters and their condensation in nuclear systems. Physica Scripta, 2016, 91, 123001.	2.5	50
29	Radiative capture reaction rate from ^{12}C to H dibaryon in the imaginary time Hoyle band and ^{12}C condensation in ^{12}C . Physical Review C, 2015, 92, .	2.9	0
30	Imaginary-time formalism for triple-alpha reaction rates. Physical Review C, 2015, 92, .	2.9	55
31	Imaginary-time formalism for triple-alpha reaction rates. Physical Review C, 2015, 92, .	2.9	16
32	Cluster states and container picture in light nuclei, and triple-alpha reaction rate. Journal of Physics: Conference Series, 2015, 590, 012002.	2.9	38
33	Cluster states and container picture in light nuclei, and triple-alpha reaction rate. Journal of Physics: Conference Series, 2015, 590, 012002.	0.4	0
34	Alpha condensates and nonlocalized cluster structures. EPJ Web of Conferences, 2015, 88, 00025.	0.3	0
35	Investigation of ^{9}Be from a nonlocalized clustering concept. Physical Review C, 2015, 91, .	2.9	38
36	Cluster models from RGM to alpha condensation and beyond. Progress in Particle and Nuclear Physics, 2015, 82, 78-132.	14.4	69

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37	Container structure of alpha-alpha-Lambda clusters in 9-Lambda-Beryrium. Progress of Theoretical and Experimental Physics, 2014, 2014, 113D01-113D01.	6.6	20
38	The container picture with two-alpha correlation for the ground state of 12C. Progress of Theoretical and Experimental Physics, 2014, 2014, 101D01-101D01.	6.6	20
39	One-dimensional $^{\pm}$ condensation of $^{\pm}$ -linear-chain states. Physical Review C, 2014, 89, .	2.9	90
40	Linear-chain states in $^{\pm}$ -linear-chain states. Physical Review C, 2014, 89, .	7.8	61
41	Alpha-clustered hypernuclei and chiral SU(3) dynamics. Progress of Theoretical and Experimental Physics, 2014, 2014, 13D01-0.	6.6	8
42	Nonlocalized cluster dynamics and nuclear molecular structure. Physical Review C, 2014, 89, .	2.9	52
43	Alpha condensates and nonlocalized cluster structures. Journal of Physics: Conference Series, 2014, 569, 012003.	0.4	0
44	Theory for Quartet Condensation in Fermi Systems with Applications to Nuclei and Nuclear Matter. Journal of Physics: Conference Series, 2014, 529, 012014.	0.4	3
45	One-dimensional $^{\pm}$ condensation of $^{\pm}$ -linear-chain states. Journal of Physics: Conference Series, 2014, 569, 012008.	0.4	1
46	Gas-Like Cluster States in Finite Nuclei. Few-Body Systems, 2013, 54, 1453-1456.	1.5	0
47	Alpha-particle condensation in light hypernuclei. Nuclear Physics A, 2013, 914, 194-198.	1.5	0
48	Resonance States and Alpha Condensation in 12C and 16O. Few-Body Systems, 2013, 54, 521-525.	1.5	0
49	Nonlocalized Clustering: A New Concept in Nuclear Cluster Structure Physics. Physical Review Letters, 2013, 110, 262501.	7.8	105
50	Deformation and cluster structures in ^{12}C studied with configuration mixing using Skyrme interactions. Physical Review C, 2013, 88, .	2.9	23
51	Gas-like alpha-cluster states and condensates in nuclei. Journal of Physics: Conference Series, 2013, 436, 012004.	0.4	4
52	Large scale calculations for cluster structure of light nuclei with Skyrme interaction. Journal of Physics: Conference Series, 2013, 436, 012012.	0.4	0
53	Alpha-Particle Condensation in Nuclear Systems. Journal of Physics: Conference Series, 2013, 413, 012009.	0.4	3
54	Isoscalar monopole excitations in ^{16}O -cluster states at low energy and mean-field-type states at higher energy. Physical Review C, 2012, 85, .	2.9	72

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73	Internal one-particle density matrix for Bose-Einstein condensates with finite number of particles in a harmonic potential. Physical Review C, 2009, 79, .	2.9	12
74	ALPHA CLUSTERING AND MONOPOLE STRENGTHS IN LIGHT NUCLEI. International Journal of Modern Physics A, 2009, 24, 2043-2052.	1.5	0
75	MICROSCOPIC WAVE FUNCTION OF ALPHA CONDENSATION. International Journal of Modern Physics A, 2009, 24, 2003-2018.	1.5	2
76	$\hat{1}\pm$ -CLUSTER STATES AND $4\hat{1}\pm$ -PARTICLE BOSE CONDENSATE IN ^{16}O . International Journal of Modern Physics A, 2009, 24, 1995-2002.	1.5	0
77	$\hat{1}\pm$ -PARTICLE CONDENSED STATE IN ^{16}O . International Journal of Modern Physics E, 2009, 18, 2083-2087.	1.0	1
78	Monopole Excitation to Cluster States. Progress of Theoretical Physics, 2008, 120, 1139-1167.	2.0	100
79	DILUTE ALPHA-PARTICLE CONDENSATION IN ^{12}C AND ^{16}O . International Journal of Modern Physics B, 2008, 22, 4545-4556.	2.0	0
80	PRESENT STATUS OF ALPHA-PARTICLE CONDENSATE STATES IN SELF-CONJUGATE $4n$ NUCLEI. International Journal of Modern Physics E, 2008, 17, 2087-2095.	1.0	6
81	CLUSTER STATES AND ALPHA PARTICLE CONDENSATION IN ^{13}C . International Journal of Modern Physics E, 2008, 17, 2101-2105.	1.0	24
82	Criterion for Bose-Einstein condensation in traps and self-bound systems. Physical Review A, 2008, 78, .	2.5	18
83	Density-induced suppression of the $\hat{1}\pm$ -particle condensate in nuclear matter and the structure of $\hat{1}\pm$ -cluster states in nuclei. Physical Review C, 2008, 77, .	2.9	41
84	$\hat{1}\pm$ -Particle Condensation in ^{16}O Studied with a Full Four-Body Orthogonality Condition Model Calculation. Physical Review Letters, 2008, 101, 082502.	7.8	163
85	Monopole excitation to cluster states. Journal of Physics: Conference Series, 2008, 111, 012008.	0.4	5
86	$\hat{1}\pm$ -cluster states and $4\hat{1}\pm$ -particle bose condensate in ^{16}O . Journal of Physics: Conference Series, 2008, 111, 012012.	0.4	1
87	QUARTETTING IN ATTRACTIVE FERMI-SYSTEMS AND ALPHA PARTICLE CONDENSATION IN NUCLEAR SYSTEMS. International Journal of Modern Physics B, 2007, 21, 2420-2428.	2.0	0
88	Quartetting in fermion matter and alpha particle condensation in nuclear systems. AIP Conference Proceedings, 2007, . .	0.4	0
89	Alpha Particle Condensation in Nuclear Systems. Nuclear Physics News, 2007, 17, 11-18.	0.4	21
90	New candidate for an alpha cluster condensed state in ^{16}O		

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91	Quartetting in fermionic matter and $\hat{\Lambda}$ -particle condensation in nuclear systems. Progress in Particle and Nuclear Physics, 2007, 59, 285-304.	14.4	23
92	$\hat{\Lambda}$ -Particle Condensation in Nuclear Systems. Nuclear Physics A, 2007, 788, 293-300.	1.5	3
93	Inelastic form factors to alpha-particle condensate states in ^{12}C and ^{16}O : What can we learn?. European Physical Journal A, 2006, 28, 259-263.	2.5	87
94	New Treatment of Resonances with a Bound State Approximation Using a Pseudo-Potential. Progress of Theoretical Physics, 2006, 115, 115-127.	2.0	29
95	Alpha Condensed State in ^{16}O . Modern Physics Letters A, 2006, 21, 2331-2340.	1.2	15
96	Resonance states in ^{12}C and $\hat{\Lambda}$ -particle condensation. European Physical Journal A, 2005, 24, 321-342.	2.5	89
97	Alpha-particle condensation in nuclei. Nuclear Physics A, 2004, 738, 94-100.	1.5	34
98	Analysis of previous microscopic calculations for the second 0^+ state in ^{12}C in terms of $3\hat{\Lambda}$ -particle Bose-condensed state. Physical Review C, 2003, 67, .	2.9	242
99	DESCRIPTION OF ^8Be AS DEFORMED GAS-LIKE TWO-ALPHA-PARTICLE STATES. Modern Physics Letters A, 2003, 18, 170-173.	1.2	0
100	FOUR-PARTICLE CORRELATIONS AND QUANTUM CONDENSATES IN NUCLEAR MATTER. , 2003, , .		0
101	Description of ^8Be as Deformed Gas-Like Two-Alpha-Particle States. Progress of Theoretical Physics, 2002, 108, 297-322.	2.0	76