Yasuro Funaki

List of Publications by Year
in descending order

101	2,575	186265	189892
papers	citations	28 h-index	50 g-index

101	101	101	673
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Analysis of previous microscopic calculations for the second0+state in12Cin terms of3âˆ'Î±particle Bose-condensed state. Physical Review C, 2003, 67, .	2.9	242
2	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î±</mml:mi></mml:math>-Particle Condensation in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">O</mml:mi><mml:mprescripts /><mml:none /><mml:mn>16</mml:mn></mml:mmultiscripts></mml:math>Studied with a Full Four-Body Orthogonality Condition Model Calculation. Physical Review Letters, 2008, 101, 082502.	7.8	163
3	Concepts of nuclear<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î±</mml:mi></mml:mrow></mml:math>-particle condensation. Physical Review C, 2009, 80, .	2.9	130
4	Nonlocalized Clustering: A New Concept in Nuclear Cluster Structure Physics. Physical Review Letters, 2013, 110, 262501.	7.8	105
5	Monopole Excitation to Cluster States. Progress of Theoretical Physics, 2008, 120, 1139-1167.	2.0	100
6	Nuclear clusters bound to doubly magic nuclei: The case of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Po</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>212</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>. Physical Review C, 2014, 90, .	2.9	90
7	Resonance states in 12C and Î±-particle condensation. European Physical Journal A, 2005, 24, 321-342.	2.5	89
8	New candidate for an alpha cluster condensed state in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mmultiscripts><mml:mi mathvariant="normal">O</mml:mi><mml:mprescripts /><mml:none /><mml:mn>16</mml:mn></mml:mmultiscripts><mml:mo		

#	Article	IF	Citations
19	Alpha particle clusters and their condensation in nuclear systems. Physica Scripta, 2016, 91, 123001.	2.5	50
20	New concept for the ground-state band in20Ne within a microscopic cluster model. Physical Review C, 2012, 86, .	2.9	48
21	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>l±</mml:mi><mml:mo>+</mml:mo><mml:mi>l±</mml:mi><mml:mo>+</mml:mo><mml:mi>t</mml:mi></mml:mrow></mml:math> structures and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">C</mml:mi><mml:mprescripts /><mml:none		

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37	Nonlocalized clustering and evolution of cluster structure in nuclei. Frontiers of Physics, 2020, 15, 1.	5.0	21
38	Container structure of alpha-alpha-Lambda clusters in 9-Lambda-Beryrium. Progress of Theoretical and Experimental Physics, 2014, 2014, 113D01-113D01.	6.6	20
39	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
40	Multi-cluster dynamics in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">C</mml:mi></mml:mrow><mml:mprescripts /><mml:mrow><mml:mspace width="0.25em" /><mml:mi mathvariant="normal">Î</mml:mi></mml:mrow><mml:mrow><mml:mn>13</mml:mn></mml:mrow></mml:mmultiscripts></mml:math> analogy to clustering in 12 C. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy	4.1	19
41	Criterion for Bose-Einstein condensation in traps and self-bound systems. Physical Review A, 2008, 78, .	2.5	18
42	Imaginary-time formalism for triple-Î±reaction rates. Physical Review C, 2015, 92, .	2.9	16
43	Electric dipole moment of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">C</mml:mi><mml:mprescripts /><mml:none /><mml:mn>13</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2017, 95, .	2.9	16
44	Investigation of the B9 nucleus and its cluster-nucleon correlations. Physical Review C, 2018, 97, .	2.9	16
45	Open problems in Î± particle condensation. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 064012.	3.6	16
46	Alpha Condensed State in 16O. Modern Physics Letters A, 2006, 21, 2331-2340.	1.2	15
47	Alpha-Like Clustering in ^{20} 20 Ne from a Quartetting Wave Function Approach. Journal of Low Temperature Physics, 2017, 189, 383-409.	1.4	14
48	Alpha Cluster States and Condensation in ^{16}O. Progress of Theoretical Physics Supplement, 2012, 196, 439-444.	0.1	13
49	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
50	Imaginary-time method for the radiative capture reaction rate. Physical Review C, 2012, 85, .	2.9	10
51	Nuclear electric dipole moment in the cluster model with a triton: <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Li</mml:mi><mml:mprescripts /><mml:none /><mml:mn>7</mml:mn></mml:mmultiscripts></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">B</mml:mi><mml:mprescripts /><mml:none /><mml:mn>11</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2019, 100, .	2.9	9
52	Alpha-clustered hypernuclei and chiral SU(3) dynamics. Progress of Theoretical and Experimental Physics, 2014, 2014, 13D01-0.	6.6	8
53	Investigation of isospin-triplet and isospin-singlet pairing in the A=10 nuclei B10,Be10 , and C10 with an extension of the Tohsaki-Horiuchi-Schuck-RÃ¶pke wave function. Physical Review C, 2019, 100, .	2.9	7
54	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

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55	Nonlocalized motion in a two-dimensional container of Î± particles in 3âˆ’ and 4âˆ’ states of C12. Physical Review C, 2019, 99, .	2.9	6
56	Monopole excitation to cluster states. Journal of Physics: Conference Series, 2008, 111, 012008.	0.4	5
57	Three-Body Cluster Structures and Hoyle-Analogue States in ^{11}B. Progress of Theoretical Physics Supplement, 2012, 196, 388-393.	0.1	5
58	Properties of $$^{8-11}$$Be isotopes with isospin-dependent spinâ€“orbit potential in a cluster approach. European Physical Journal A, 2021, 57, 1.	2.5	5
59	CLUSTER STRUCTURES AND SINGLE-CLUSTER MOTIONS IN 11B AND 13C. International Journal of Modern Physics E, 2011, 20, 910-914.	1.0	4
60	Gas-like alpha-cluster states and condensates in nuclei. Journal of Physics: Conference Series, 2013, 436, 012004.	0.4	4
61	Alpha Decay Width of212Po from a quartetting wave function approach. Journal of Physics: Conference Series, 2017, 863, 012006.	0.4	4
62	Î±-Particle Condensation in Nuclear Systems. Nuclear Physics A, 2007, 788, 293-300.	1.5	3
63	Alpha-Particle Condensation in Nuclear Systems. Journal of Physics: Conference Series, 2013, 413, 012009.	0.4	3
64	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
65	Three-Body Structure of $$^9_{varLambda }$$Be with $$alpha alpha varLambda $$ Cluster Model. Few-Body Systems, 2019, 60, 1.	1.5	3
66	Resonant states of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Be</mml:mi><mml:mprescripts /><mml:mi mathvariant="normal">Î›</mml:mi><mml:mn>9</mml:mn></mml:mmultiscripts></mml:math> with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mo>+</mml:mo><mml:mi>Î±</mml:mi><mml:mi mathvariant="normal">Î›</mml:mi></mml:mrow></mml:math> three-body cluster model. Physical Review	2.9	3
67	MICROSCOPIC WAVE FUNCTION OF ALPHA CONDENSATION. International Journal of Modern Physics A, 2009, 24, 2003-2018.	1.5	2
68	ALPHA CLUSTERING AND CONDENSATION IN NUCLEI. International Journal of Modern Physics E, 2011, 20, 874-879.	1.0	2
69	Alpha condensate and dynamics of cluster formation. European Physical Journal A, 2021, 57, 1.	2.5	2
70	Î±-cluster states and 4Î±-particle bose condensate in ¹⁶O. Journal of Physics: Conference Series, 2008, 111, 012012.	0.4	1
71	Î±-PARTICLE CONDENSED STATE IN ¹⁶O. International Journal of Modern Physics E, 2009, 18, 2083-2087.	1.0	1
72	Î±+Î±+tcluster structures and Hoyle-analogue states in¹¹B. Journal of Physics: Conference Series, 2011, 321, 012025.	0.4	1

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73	One-dimensionalÎ±condensation ofÎ±-linear-chain states. Journal of Physics: Conference Series, 2014, 569, 012008.	0.4	1
74	Search for $alpha$ condensed states in ^{13}C using $alpha$ inelastic scattering. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	1
75	DESCRIPTION OF 8Be AS DEFORMED GAS-LIKE TWO-ALPHA-PARTICLE STATES. Modern Physics Letters A, 2003, 18, 170-173.	1.2	0
76	FOUR-PARTICLE CORRELATIONS AND QUANTUM CONDENSATES IN NUCLEAR MATTER. , 2003, , .		0
77	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
78	Quartetting in fermion matter and alpha particle condensation in nuclear systems. AIP Conference Proceedings, 2007, , .	0.4	0
79	DILUTE ALPHA-PARTICLE CONDENSATION IN ¹²C AND ¹⁶O. International Journal of Modern Physics B, 2008, 22, 4545-4556.	2.0	0
80	Î±-Particle Condensation in [sup 16]O. , 2009, , .		0
81	ALPHA CLUSTERING AND MONOPOLE STRENGTHS IN LIGHT NUCLEI. International Journal of Modern Physics A, 2009, 24, 2043-2052.	1.5	0
82	Î±-CLUSTER STATES AND 4Î±-PARTICLE BOSE CONDENSATE IN 16O. International Journal of Modern Physics A, 2009, 24, 1995-2002.	1.5	0
83	CLUSTER STRUCTURES IN 3/2⁻ AND 1/2⁺ STATES OF ¹¹B. Modern Physics Letters A, 2010, 25, 1943-1946.	1.2	0
84	ALPHA CLUSTERING AND CONDENSATION IN 16O. Modern Physics Letters A, 2010, 25, 1939-1942.	1.2	0
85	Present status of Î±-particle condensed states in 4n self-conjugate nuclei. , 2010, , .		0
86	Alpha clustering and condensation in nuclei. Journal of Physics: Conference Series, 2011, 321, 012033.	0.4	0
87	Gas-Like Cluster States in Finite Nuclei. Few-Body Systems, 2013, 54, 1453-1456.	1.5	0
88	Alpha-particle condensation in light hypernuclei. Nuclear Physics A, 2013, 914, 194-198.	1.5	0
89	Resonance States and Alpha Condensation in 12C and 16O. Few-Body Systems, 2013, 54, 521-525.	1.5	0
90	Large scale calculations for cluster structure of light nuclei with Skyrme interaction. Journal of Physics: Conference Series, 2013, 436, 012012.	0.4	0

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91	Alpha condensates and nonlocalized cluster structures. Journal of Physics: Conference Series, 2014, 569, 012003.	0.4	0
92	Radiative capture reaction rate from<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">Î</mml:mi><mml:mi mathvariant="normal">Î</mml:mi></mml:mrow></mml:math>to H dibaryon in the imaginary time method. Physical Review C, 2015, 92, .	2.9	0
93	Cluster states and container picture in light nuclei, and triple-alpha reaction rate. Journal of Physics: Conference Series, 2015, 590, 012002.	0.4	0
94	Alpha condensates and nonlocalized cluster structures. EPJ Web of Conferences, 2015, 88, 00025.	0.3	0
95	Alpha-Particle Condensate Structure of the Hoyle State: where do we stand?. Journal of Physics: Conference Series, 2017, 863, 012005.	0.4	0
96	Container evolution and dynamics of cluster formation. EPJ Web of Conferences, 2018, 194, 06002.	0.3	0
97	Enhanced 3Î± radius in 12C probed by nuclear reactions. AIP Conference Proceedings, 2018, , .	0.4	0
98	Container evolution and dynamics of cluster formation. AIP Conference Proceedings, 2018, , .	0.4	0
99	ALPHA-PARTICLE CONDENSED STATES IN NUCLEI. , 2010, , .		0
100	Evidence of Enhanced 3Î± Radius in 12C Probed by Nuclear Reactions. , 2019, , .		0
101	Container picture for $$3^-$$ and $$4^-$$ states of $${^{12}mathrm{C}}$$. Few-Body Systems, 2022, 63, 1.	1.5	0