

# Bo Zhou

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

1,164  
citations

394421

19  
h-index

434195

31  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1439  
citing authors

#	ARTICLE	IF	CITATIONS
1	Container picture for $3^+$ and $4^+$ states of $^{12}\text{C}$ . Few-Body Systems, 2022, 63, 1.	1.5	0
2	Investigating the proton-halo structure of $^8\text{B}$ via the extended THSR wave function. European Physical Journal A, 2022, 58, 1.	2.5	1
3	A theoretical study on the role of ammonium ions in the double-layered $\text{V}_2\text{O}_5$ electrode. Physical Chemistry Chemical Physics, 2021, 23, 4187-4194.	2.8	3
4	Theoretical evaluation of multivalent cation diffusion in the $1\text{T}'\text{-MnO}_2$ electrode via potential energy surface. Journal Physics D: Applied Physics, 2021, 54, 115303.	2.8	1
5	Properties of $^{8-11}\text{Be}$ isotopes with isospin-dependent spin-orbit potential in a cluster approach. European Physical Journal A, 2021, 57, 1.	2.5	5
6	Shape of $^{13}\text{C}$ studied by the real-time evolution method. Physical Review C, 2021, 103, .	2.9	3
7	The Isoscalar Monopole Strength of $^{13}\text{C}$ . Few-Body Systems, 2021, 62, 1.	1.5	0
8	Nonlocalized clustering and evolution of cluster structure in nuclei. Frontiers of Physics, 2020, 15, 1.	5.0	21
9	First-principles study of a Mn-doped $\text{In}_2\text{S}_3$ monolayer: Coexistence of ferromagnetism and ferroelectricity with robust half-metallicity and enhanced polarization. Physical Review B, 2020, 102, .	3.2	18
10	Microscopic calculations for Be isotopes within real-time evolution method. European Physical Journal A, 2020, 56, 1.	2.5	8
11	Aryl Diammonium Iodide Passivation for Efficient and Stable Hybrid Organic-Inorganic Perovskite Solar Cells. Advanced Functional Materials, 2020, 30, 2002366.	14.9	52
12	Nonlocalized motion in a two-dimensional container of $^{\pm}$ particles in $3^+$ and $4^+$ states of $^{12}\text{C}$ . Physical Review C, 2019, 99, .	2.9	6
13	A sandwich-type sulfur cathode based on multifunctional ceria hollow spheres for high-performance lithium-sulfur batteries. Materials Chemistry Frontiers, 2019, 3, 1317-1322.	5.9	21
14	cluster structure in $^{\pm}$ $\text{C}$ . Physical Review C, 2018, 98, .	2.9	4
15	Container model for the ground and excited $0^+$ states in $^{12}\text{C}$ . AIP Conference Proceedings, 2018, , .	0.4	0
16	Modulating the magnetic properties of $\text{MoS}_2$ monolayers by group VIII doping and vacancy engineering. RSC Advances, 2018, 8, 18837-18850.	3.6	15
17	Breathing-like excited state of the Hoyle state in $^{12}\text{C}$ . Physical Review C, 2016, 94, .	2.9	36
18	Sensitivity Modulation of Upconverting Thermometry through Engineering Phonon Energy of a Matrix. ACS Applied Materials & Interfaces, 2016, 8, 30312-30319.	8.0	182

#	ARTICLE	IF	CITATIONS
19	Investigation of $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \text{mathvariant="normal"} \rangle \text{Be} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 9 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ from a nonlocalized clustering concept. Physical Review C, 2015, 91, .	2.9	38
20	Container structure of alpha-alpha-Lambda clusters in 9-Lambda-Beryrium. Progress of Theoretical and Experimental Physics, 2014, 2014, 113D01-113D01.	6.6	20
21	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
22	One-Dimensional $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \rangle \langle \text{mml:mi} \rangle \hat{I} \pm \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ Condensation of $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \rangle \langle \text{mml:mi} \rangle \hat{I} \pm \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -Linear-Chain States in $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \text{mathvariant="normal"} \rangle \text{C} \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle 2 \langle \text{mml:msub} \rangle \text{O} \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle 5 \langle \text{mml:msub} \rangle$	7.8	61
23	Theoretical study on the initial stage of a magnesium battery based on a V <sub>2</sub> O <sub>5</sub> cathode. Physical Chemistry Chemical Physics, 2014, 16, 18578-18585.	2.8	71
24	Nonlocalized cluster dynamics and nuclear molecular structure. Physical Review C, 2014, 89, .	2.9	52
25	Nonlocalized Clustering: A New Concept in Nuclear Cluster Structure Physics. Physical Review Letters, 2013, 110, 262501.	7.8	105
26	New concept in clusterings and alpha-particle condensates. , 2013, , .		0
27	Photonic analogue of boson Josephson junction in two coupled nonlinear cavities with pumping and dissipation. Canadian Journal of Physics, 2012, 90, 45-52.	1.1	1
28	QUASI-EXACTLY ANALYTICAL SOLUTIONS OF TWO ELECTRONS IN VERTICALLY COUPLED RINGS. International Journal of Modern Physics B, 2012, 26, 1250201.	2.0	3
29	Dissipative dynamics of a driven two-level quantum dot interacting with a structured reservoir with two-peaked spectrum. Canadian Journal of Physics, 2012, 90, 895-901.	1.1	0
30	New concept for the ground-state band in 20Ne within a microscopic cluster model. Physical Review C, 2012, 86, .	2.9	48
31	Electronic structure of $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \text{mathvariant="normal"} \rangle \text{BaNi} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \text{mathvariant="normal"} \rangle \text{AS} \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ , Orbital characters of bands in the iron-based superconductor BaFe <sub>2</sub> As <sub>2</sub> .	3.2	31
32	$\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 1.85 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Co $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 0.15 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$	3.2	86
33	Inelastic x-ray scattering study of the state-resolved differential cross section of Compton excitations in helium atoms. Physical Review A, 2010, 82, .	2.5	69
34	Electronic structure of $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{Fe} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 1004 \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$	3.2	104
35	High-resolution angle-resolved photoemission spectroscopy study of the electronic structure of EuFe <sub>2</sub> As <sub>2</sub> . Physical Review B, 2010, 81, .	3.2	30
36	Raman spectrum of vanadium pentoxide from density-functional perturbation theory. Journal of Raman Spectroscopy, 2008, 39, 1475-1481.	2.5	47