

Xiao-Tao He

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

333
citations

933447

10
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

204
citing authors

#	ARTICLE	IF	CITATIONS
1	Systematic investigation of the rotational bands in nuclei with $Z < 100$ a particle-number conserving method based on a cranked shell model. Physical Review C, 2012, 85, .	2.9	66
2	Deformed relativistic Hartree-Bogoliubov theory in continuum with a point-coupling functional: Examples of even-even Nd isotopes. Physical Review C, 2020, 102, .	2.9	53
3	Influence of high-j intruder orbitals in odd mass transfermium nuclei ^{253}No and ^{251}Md . Nuclear Physics A, 2009, 817, 45-60.	1.5	35
4	Predictive power for superheavy nuclear mass and possible stability beyond the neutron drip line in deformed relativistic Hartree-Bogoliubov theory in continuum. Physical Review C, 2021, 104, .	2.9	31
5	Impact of the equation-of-state "gravity degeneracy on constraining the nuclear symmetry energy from astrophysical observables. Physical Review C, 2015, 91, .	2.9	30
6	The intruder orbitals in superdeformed bands and alignment additivity of odd-odd nuclei in the region. Nuclear Physics A, 2005, 760, 263-273.	1.5	23
7	Chiral transition and the chiral charge density of the hot and dense QCD matter.. Journal of High Energy Physics, 2020, 2020, 1.	4.7	16
8	Possible existence of bound nuclei beyond neutron drip lines driven by deformation *. Chinese Physics C, 2021, 45, 101001.	3.7	14
9	Insight into nuclear midshell structures by studying K isomers in rare-earth neutron-rich nuclei. Physical Review C, 2018, 98, .	2.9	11
10	A new isomeric state in ^{218}Pa . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135102.	4.1	11
11	Chiral phase transition inside a rotating cylinder within the Nambu-Jona-Lasinio model. Physical Review D, 2020, 102, .	4.7	9
12	Rotational properties of the odd-Z transfermium nucleus ^{255}Lr by a particle-number-conserving method in the cranked shell model. Science China: Physics, Mechanics and Astronomy, 2016, 59, 1.	5.1	8
13	High-K multi-particle bands and pairing reduction in ^{254}No *. Chinese Physics C, 2020, 44, 034106.	3.7	7
14	Chiral crossover transition from the Dyson-Schwinger equations in a sphere. Physical Review D, 2020, 102, .	4.7	6
15	Backbendings of superdeformed bands in $^{36,40}\text{Ar}$. Chinese Physics C, 2018, 42, 054105.	3.7	5
16	Alternating-parity bands of $^{236,238}\text{U}$ and $^{238,240}\text{Pu}$ in a particle-number-conserving method based on the cranked shell model. Physical Review C, 2020, 102, .	2.9	5
17	High-K isomer and the rotational properties in the odd-Z neutron-rich nucleus ^{163}Eu *. Chinese Physics C, 2019, 43, 064106.	3.7	2
18	Effects of high-j orbitals, pairing, and deformed neutron shells on upbendings of ground-state bands in the neutron-rich even-even isotopes $^{170-184}\text{Hf}$. Physical Review C, 2020, 102, .	2.9	1

#	ARTICLE	IF	CITATIONS
19	Shedding Light on the EOS-Gravity Degeneracy and Constraining the Nuclear Symmetry Energy from the Gravitational Binding Energy of Neutron Stars. EPJ Web of Conferences, 2016, 109, 07002.	0.3	0
20	Study of $\hat{\pm}$ -Decay Energy by an Artificial Neural Network Considering Pairing and Shell Effects. Symmetry, 2022, 14, 1006.	2.2	0