

# Xiao-Tao He

## List of Publications by Year in descending order

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20  
papers

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citations

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docs citations

20  
times ranked

204  
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of $\hat{I}\pm$ -Decay Energy by an Artificial Neural Network Considering Pairing and Shell Effects. Symmetry, 2022, 14, 1006.	2.2	0
2	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
3	Possible existence of bound nuclei beyond neutron drip lines driven by deformation *. Chinese Physics C, 2021, 45, 101001.	3.7	14
4	A new isomeric state in $^{218}\text{Pa}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135102.	4.1	11
5	Effects of high-j orbitals, pairing, and deformed neutron shells on upbendings of ground-state bands in the neutron-rich even-even isotopes $\text{Hf}^{170}\hat{\alpha}^{184}$ . Physical Review C, 2020, 102, .	2.9	1
6	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
7	Chiral crossover transition from the Dyson-Schwinger equations in a sphere. Physical Review D, 2020, 102, .	4.7	6
8	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
9	High-K multi-particle bands and pairing reduction in $^{254}\text{No}$ *. Chinese Physics C, 2020, 44, 034106.	3.7	7
10	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
11	Chiral phase transition inside a rotating cylinder within the Nambu-Jona-Lasinio model. Physical Review D, 2020, 102, .	4.7	9
12	High-K isomer and the rotational properties in the odd-Z neutron-rich nucleus $^{163}\text{Eu}$ *. Chinese Physics C, 2019, 43, 064106.	3.7	2
13	Insight into nuclear midshell structures by studying $K$ isomers in rare-earth neutron-rich nuclei. Physical Review C, 2018, 98, .	2.9	11
14	Backbendings of superdeformed bands in $^{36,40}\text{Ar}$ . Chinese Physics C, 2018, 42, 054105.	3.7	5
15	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
16	Rotational properties of the odd-Z transfermium nucleus $^{255}\text{Lr}$ by a particle-number-conserving method in the cranked shell model. Science China: Physics, Mechanics and Astronomy, 2016, 59, 1.	5.1	8
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Influence of high-j intruder orbitals in odd mass transfermium nuclei $^{253}\text{No}$ and $^{251}\text{Md}$ . Nuclear Physics A, 2009, 817, 45-60.	1.5	35
20	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