

# Alexander Tichai

## List of Publications by Year in descending order

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22  
docs citations

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times ranked

191  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bogoliubov many-body perturbation theory for open-shell nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 195-200.	4.1	55
2	Hartree-Fock many-body perturbation theory for nuclear ground-states. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 756, 283-288.	4.1	49
3	Many-Body Perturbation Theories for Finite Nuclei. Frontiers in Physics, 2020, 8, .	2.1	49
4	Natural orbitals for <i>ab initio</i> no-core shell model calculations. Physical Review C, 2019, 99, .	2.9	37
5	ADG: Automated generation and evaluation of many-body diagrams I. Bogoliubov many-body perturbation theory. Computer Physics Communications, 2019, 240, 202-227.	7.5	29
6	Improved many-body expansions from eigenvector continuation. Physical Review C, 2020, 101, .	2.9	28
7	In-medium similarity renormalization group with three-body operators. Physical Review C, 2021, 103, .	2.9	27
8	Open-shell nuclei from No-Core Shell Model with perturbative improvement. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 448-452.	4.1	25
9	Normal-ordered <i>k</i> -body approximation in particle-number-breaking theories. European Physical Journal A, 2020, 56, 1.	2.5	21
10	Angular-momentum projection in coupled-cluster theory: Structure of $Mg$ isotopes. Physical Review C, 2022, 105, .	2.9	21
11	Natural orbitals for many-body expansion methods. Physical Review C, 2021, 103, .	2.9	20
12	Bogoliubov many-body perturbation theory under constraint. Annals of Physics, 2021, 424, 168358.	2.8	18
13	Pre-processing the nuclear many-body problem. European Physical Journal A, 2019, 55, 1.	2.5	17
14	Tensor-decomposition techniques for <i>ab initio</i> nuclear structure calculations: From chiral nuclear potentials to ground-state energies. Physical Review C, 2019, 99, .	2.9	14
15	ADG: Automated generation and evaluation of many-body diagrams II. Particle-number projected Bogoliubov many-body perturbation theory. Computer Physics Communications, 2021, 261, 107677.	7.5	9
16	Excited states from eigenvector continuation: The anharmonic oscillator. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 830, 137101.	4.1	9
17	Zero-pairing limit of Hartree-Fock-Bogoliubov reference states. Physical Review C, 2020, 102, .	2.9	8
18	Symmetry reduction of tensor networks in many-body theory. European Physical Journal A, 2020, 56, 1.	2.5	7

#	ARTICLE	IF	CITATIONS
19	Low-rank matrix decompositions for ab initio nuclear structure. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 821, 136623.	4.1	5
20	ADG: automated generation and evaluation of many-body diagrams. European Physical Journal A, 2022, 58, 1.	2.5	5
21	Importance truncation in non-perturbative many-body techniques. European Physical Journal A, 2021, 57, 1.	2.5	4
22	Importance truncation for the in-medium similarity renormalization group. Physical Review C, 2022, 105, .	2.9	2