

# Marat Sibaev

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6043645/publications.pdf>

Version: 2024-02-01

7  
papers

696  
citations

1307594

7  
h-index

1720034

7  
g-index

7  
all docs

7  
docs citations

7  
times ranked

618  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Molpro quantum chemistry package. Journal of Chemical Physics, 2020, 152, 144107.	3.0	603
2	Balancing accuracy and efficiency in selecting vibrational configuration interaction basis states using vibrational perturbation theory. Journal of Chemical Physics, 2016, 145, .	3.0	23
3	PyVCI: A flexible open-source code for calculating accurate molecular infrared spectra. Computer Physics Communications, 2016, 203, 290-297.	7.5	20
4	The <sc>P</sc>y<sc>PES</sc> library of high quality semi-global potential energy surfaces. Journal of Computational Chemistry, 2015, 36, 2200-2207.	3.3	15
5	Comparing the accuracy of perturbative and variational calculations for predicting fundamental vibrational frequencies of dihalomethanes. Journal of Chemical Physics, 2018, 148, 084102.	3.0	14
6	Quadratic Corrections to Harmonic Vibrational Frequencies Outperform Linear Models. Journal of Physical Chemistry A, 2015, 119, 13107-13112.	2.5	12
7	Molecular second-quantized Hamiltonian: Electron correlation and non-adiabatic coupling treated on an equal footing. Journal of Chemical Physics, 2020, 153, 124102.	3.0	9