

# Tobias Schfer

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

10  
papers

147  
citations

6  
h-index

11  
g-index

11  
ext. papers

195  
ext. citations

4.8  
avg, IF

3.37  
L-index

#	Paper	IF	Citations
10	Local embedding of coupled cluster theory into the random phase approximation using plane waves. <i>Journal of Chemical Physics</i> , <b>2021</b> , 154, 011101	3.9	12
9	Cerium Oxides without : The Role of Many-Electron Correlation. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 6277-6283	6.4	4
8	Surface science using coupled cluster theory via local Wannier functions and in-RPA-embedding: The case of water on graphitic carbon nitride.. <i>Journal of Chemical Physics</i> , <b>2021</b> , 155, 244103	3.9	2
7	A shortcut to the thermodynamic limit for quantum many-body calculations of metals. <i>Nature Computational Science</i> , <b>2021</b> , 1, 801-808		1
6	RPA natural orbitals and their application to post-Hartree-Fock electronic structure methods. <i>Journal of Chemical Physics</i> , <b>2019</b> , 151, 214106	3.9	12
5	Laplace transformed MP2 for three dimensional periodic materials using stochastic orbitals in the plane wave basis and correlated sampling. <i>Journal of Chemical Physics</i> , <b>2018</b> , 148, 064103	3.9	7
4	Ab initio phase diagram of PbSe crystals calculated with the random phase approximation. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	2
3	Quartic scaling MP2 for solids: A highly parallelized algorithm in the plane wave basis. <i>Journal of Chemical Physics</i> , <b>2017</b> , 146, 104101	3.9	32
2	Assessing Density Functionals Using Many Body Theory for Hybrid Perovskites. <i>Physical Review Letters</i> , <b>2017</b> , 119, 145501	7.4	43
1	Analytic Interatomic Forces in the Random Phase Approximation. <i>Physical Review Letters</i> , <b>2017</b> , 118, 106403	7.4	31