

# Xintian Feng

## List of Publications by Year in descending order

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17  
papers

4,465  
citations

567247

15  
h-index

888047

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

4816  
citing authors

#	ARTICLE	IF	CITATIONS
1	Revisiting the Performance of Time-Dependent Density Functional Theory for Electronic Excitations: Assessment of 43 Popular and Recently Developed Functionals from Rungs One to Four. <i>Journal of Chemical Theory and Computation</i> , 2022, 18, 3460-3473.	5.3	61
2	Transition states, reaction paths, and thermochemistry using the nuclearâ€“electronic orbital analytic Hessian. <i>Journal of Chemical Physics</i> , 2021, 154, 054108.	3.0	11
3	Software for the frontiers of quantum chemistry: An overview of developments in the Q-Chem 5 package. <i>Journal of Chemical Physics</i> , 2021, 155, 084801.	3.0	518
4	Approaching the basis set limit in Gaussian-orbital-based periodic calculations with transferability: Performance of pure density functionals for simple semiconductors. <i>Journal of Chemical Physics</i> , 2021, 155, 164102.	3.0	14
5	Implementation of analytic gradients for CCSD and EOM-CCSD using Cholesky decomposition of the electron-repulsion integrals and their derivatives: Theory and benchmarks. <i>Journal of Chemical Physics</i> , 2019, 151, 014110.	3.0	27
6	New and Efficient Equation-of-Motion Coupled-Cluster Framework for Core-Excited and Core-Ionized States. <i>Journal of Chemical Theory and Computation</i> , 2019, 15, 3117-3133.	5.3	139
7	Linker-Dependent Singlet Fission in Tetracene Dimers. <i>Journal of the American Chemical Society</i> , 2018, 140, 10179-10190.	13.7	129
8	Intra- and Intermolecular Singlet Fission in Covalently Linked Dimers. <i>Journal of Physical Chemistry C</i> , 2016, 120, 19070-19077.	3.1	56
9	On couplings and excimers: lessons from studies of singlet fission in covalently linked tetracene dimers. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 7751-7761.	2.8	92
10	Singlet Fission in a Covalently Linked Cofacial Alkynyltetracene Dimer. <i>Journal of the American Chemical Society</i> , 2016, 138, 617-627.	13.7	248
11	Quantifying charge resonance and multiexciton character in coupled chromophores by charge and spin cumulant analysis. <i>Journal of Chemical Physics</i> , 2015, 142, 224104.	3.0	46
12	Advances in molecular quantum chemistry contained in the Q-Chem 4 program package. <i>Molecular Physics</i> , 2015, 113, 184-215.	1.7	2,561
13	Dissecting the Effect of Morphology on the Rates of Singlet Fission: Insights from Theory. <i>Journal of Physical Chemistry C</i> , 2014, 118, 19608-19617.	3.1	80
14	What We Can Learn from the Norms of One-Particle Density Matrices, and What We Canâ€™t: Some Results for Interstate Properties in Model Singlet Fission Systems. <i>Journal of Physical Chemistry A</i> , 2014, 118, 11943-11955.	2.5	80
15	A Simple Kinetic Model for Singlet Fission: A Role of Electronic and Entropic Contributions to Macroscopic Rates. <i>Journal of Physical Chemistry C</i> , 2014, 118, 5188-5195.	3.1	116
16	Fission of Entangled Spins: An Electronic Structure Perspective. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 3845-3852.	4.6	170
17	General implementation of the resolution-of-the-identity and Cholesky representations of electron repulsion integrals within coupled-cluster and equation-of-motion methods: Theory and benchmarks. <i>Journal of Chemical Physics</i> , 2013, 139, 134105.	3.0	117