Christine Isborn

List of Publications by Year
in descending order

20 papers	689 citations	623734 14 h-index	713466 21 g-index
22 all docs	22 docs citations	22 times ranked	799 citing authors

#	Article	IF	Citations
1	Real-Time Time-Dependent Electronic Structure Theory. Chemical Reviews, 2020, 120, 9951-9993.	47.7	141
2	Combining the ensemble and Franck-Condon approaches for calculating spectral shapes of molecules in solution. Journal of Chemical Physics, 2018, 148, 024110.	3.0	65
3	Modeling absorption spectra of molecules in solution. International Journal of Quantum Chemistry, 2019, 119, e25719.	2.0	61
4	Convergence of Computed Aqueous Absorption Spectra with Explicit Quantum Mechanical Solvent. Journal of Chemical Theory and Computation, 2017, 13, 2159-2171.	5.3	52
5	Optical spectra in the condensed phase: Capturing anharmonic and vibronic features using dynamic and static approaches. Journal of Chemical Physics, 2019, 151, 074111.	3.0	52
6	Convergence of Excitation Energies in Mixed Quantum and Classical Solvent: Comparison of Continuum and Point Charge Models. Journal of Physical Chemistry B, 2016, 120, 12148-12159.	2.6	42
7	Optimization of Plasmonic-Organic Hybrid Electro-Optics. Journal of Lightwave Technology, 2018, 36, 5036-5047.	4.6	41
8	Exploiting Machine Learning to Efficiently Predict Multidimensional Optical Spectra in Complex Environments. Journal of Physical Chemistry Letters, 2020, 11, 7559-7568.	4.6	35
9	Unraveling electronic absorption spectra using nuclear quantum effects: Photoactive yellow protein and green fluorescent protein chromophores in water. Journal of Chemical Physics, 2018, 149, 024107.	3.0	30
10	Combining Explicit Quantum Solvent with a Polarizable Continuum Model. Journal of Physical Chemistry B, 2017, 121, 10105-10117.	2.6	25
11	Nonlinear spectroscopy in the condensed phase: The role of Duschinsky rotations and third order cumulant contributions. Journal of Chemical Physics, 2020, 153, 044127.	3.0	22
12	Absorption Spectra for Disordered Aggregates of Chromophores Using the Exciton Model. Journal of Chemical Theory and Computation, 2017, 13, 3787-3801.	5.3	21
13	Molecular dynamics simulations of alkaline earth metal ions binding to DNA reveal ion size and hydration effects. Physical Chemistry Chemical Physics, 2020, 22, 5584-5596.	2.8	20
14	Influence of Electronic Polarization on the Spectral Density. Journal of Physical Chemistry B, 2020, 124, 531-543.	2.6	16
15	Determining Partial Atomic Charges for Liquid Water: Assessing Electronic Structure and Charge Models. Journal of Chemical Theory and Computation, 2021, 17, 889-901.	5.3	15
16	Influence of non-adiabatic effects on linear absorption spectra in the condensed phase: Methylene blue. Journal of Chemical Physics, 2021, 155, 144112.	3.0	13
17	Effect of Ions on the Optical Absorption Spectra of Aqueously Solvated Chromophores. Journal of Physical Chemistry A, 2019, 123, 6175-6184.	2.5	10
18	Explicit environmental and vibronic effects in simulations of linear and nonlinear optical spectroscopy. Journal of Chemical Physics, 2021, 154, 084116.	3.0	10

#	Article	IF	Citations
19	Unraveling Excitonic Effects for the First Hyperpolarizabilities of Chromophore Aggregates. Journal of Physical Chemistry C, 2019, 123, 13818-13836.	3.1	8
20	The Influence of Electronic Polarization on Nonlinear Optical Spectroscopy. Journal of Physical Chemistry B, 2021, 125, 12214-12227.	2.6	8