# Christine Isborn

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | Explicit environmental and vibronic effects in simulations of linear and nonlinear optical spectroscopy. Journal of Chemical Physics, 2021, 154, 084116. | 3.0 | 10 |
| 2 | 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 |
| 3 | 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 |
| 4 | The Influence of Electronic Polarization on Nonlinear Optical Spectroscopy. Journal of Physical Chemistry B, 2021, 125, 12214-12227. | 2.6 | 8 |
| 5 | Influence of Electronic Polarization on the Spectral Density. Journal of Physical Chemistry B, 2020, 124, 531-543. | 2.6 | 16 |
| 6 | 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 |
| 7 | Real-Time Time-Dependent Electronic Structure Theory. Chemical Reviews, 2020, 120, 9951-9993. | 47.7 | 141 |
| 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 | 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 |
| 10 | Effect of Ions on the Optical Absorption Spectra of Aqueously Solvated Chromophores. Journal of Physical Chemistry A, 2019, 123, 6175-6184. | 2.5 | 10 |
| 11 | 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 |
| 12 | Unraveling Excitonic Effects for the First Hyperpolarizabilities of Chromophore Aggregates. Journal of Physical Chemistry C, 2019, 123, 13818-13836. | 3.1 | 8 |
| 13 | Modeling absorption spectra of molecules in solution. International Journal of Quantum Chemistry, 2019, 119, e25719. | 2.0 | 61 |
| 14 | 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 |
| 15 | 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 |
| 16 | Optimization of Plasmonic-Organic Hybrid Electro-Optics. Journal of Lightwave Technology, 2018, 36, 5036-5047. | 4.6 | 41 |
| 17 | Convergence of Computed Aqueous Absorption Spectra with Explicit Quantum Mechanical Solvent. Journal of Chemical Theory and Computation, 2017, 13, 2159-2171. | 5.3 | 52 |
| 18 | Combining Explicit Quantum Solvent with a Polarizable Continuum Model. Journal of Physical Chemistry B, 2017, 121, 10105-10117. | 2.6 | 25 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Absorption Spectra for Disordered Aggregates of Chromophores Using the Exciton Model. Journal of Chemical Theory and Computation, 2017, 13, 3787-3801. | 5.3 | 21 |
| 20 | 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 |