# Christof Holzer

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1549419/publications.pdf

Version: 2024-02-01

| 31 | 1,351 | 471509 | 395702 |
|---|---|---|---|
| papers | citations | 17 h-index | 33 g-index |

| 36 | 36 | 36 | 1341 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | TURBOMOLE: Modular program suite for ab initio quantum-chemical and condensed-matter simulations. Journal of Chemical Physics, 2020, 152, 184107. | 3.0 | 616 |
| 2 | Accuracy Assessment of GW Starting Points for Calculating Molecular Excitation Energies Using the Betheâ€“Salpeter Formalism. Journal of Chemical Theory and Computation, 2018, 14, 2127-2136. | 5.3 | 74 |
| 3 | Experimental and Theoretical Determination of Dissociation Energies of Dispersion-Dominated Aromatic Molecular Complexes. Chemical Reviews, 2016, 116, 5614-5641. | 47.7 | 62 |
| 4 | Ionized, electron-attached, and excited states of molecular systems with spinâ€“orbit coupling: Two-component GW and Betheâ€“Salpeter implementations. Journal of Chemical Physics, 2019, 150, 204116. | 3.0 | 48 |
| 5 | An improved seminumerical Coulomb and exchange algorithm for properties and excited states in modern density functional theory. Journal of Chemical Physics, 2020, 153, 184115. | 3.0 | 48 |
| 6 | The furan microsolvation blind challenge for quantum chemical methods: First steps. Journal of Chemical Physics, 2018, 148, 014301. | 3.0 | 44 |
| 7 | 18-Crown-6 Coordinated Metal Halides with Bright Luminescence and Nonlinear Optical Effects. Journal of the American Chemical Society, 2021, 143, 798-804. | 13.7 | 44 |
| 8 | Assessing the Accuracy of Local Hybrid Density Functional Approximations for Molecular Response Properties. Journal of Chemical Theory and Computation, 2021, 17, 2928-2947. | 5.3 | 39 |
| 9 | Quasirelativistic two-component core excitations and polarisabilities from a damped-response formulation of the Betheâ€“Salpeter equation. Molecular Physics, 2020, 118, e1755064. | 1.7 | 38 |
| 10 | The first microsolvation step for furans: New experiments and benchmarking strategies. Journal of Chemical Physics, 2020, 152, 164303. | 3.0 | 28 |
| 11 | Communication: A hybrid Betheâ€“Salpeter/time-dependent density-functional-theory approach for excitation energies. Journal of Chemical Physics, 2018, 149, 101101. | 3.0 | 27 |
| 12 | Communication: Symmetry-adapted perturbation theory with intermolecular induction and dispersion energies from the Betheâ€“Salpeter equation. Journal of Chemical Physics, 2017, 147, 181101. | 3.0 | 25 |
| 13 | Betheâ€“Salpeter correlation energies of atoms and molecules. Journal of Chemical Physics, 2018, 149, 144106. | 3.0 | 24 |
| 14 | Boosting Light Emission from Single Hydrogen Phthalocyanine Molecules by Charging. Nano Letters, 2020, 20, 7600-7605. | 9.1 | 24 |
| 15 | GW quasiparticle energies of atoms in strong magnetic fields. Journal of Chemical Physics, 2019, 150, 214112. | 3.0 | 21 |
| 16 | Synthesis of New Donorâ€Substituted Biphenyls: Preâ€ligands for Highly Luminescent (C^C^D) Gold(III) Pincer Complexes. Chemistry - A European Journal, 2020, 26, 17156-17164. | 3.3 | 21 |
| 17 | A local hybrid exchange functional approximation from first principles. Journal of Chemical Physics, 2022, 157, . | 3.0 | 18 |
| 18 | NMR Coupling Constants Based on the Betheâ€“Salpeter Equation in the GW Approximation. Journal of Chemical Theory and Computation, 2022, 18, 1030-1045. | 5.3 | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Vibrational Coherence Controls Molecular Fragmentation: Ultrafast Photodynamics of the [Ag<sub>2</sub>Cl]<sup>+</sup> Scaffold. Journal of Physical Chemistry Letters, 2018, 9, 804-810. | 4.6 | 14 |
| 20 | The GW/BSE Method in Magnetic Fields. Frontiers in Chemistry, 2021, 9, 746162. | 3.6 | 14 |
| 21 | Explicitly Correlated Dispersion and Exchange Dispersion Energies in Symmetry-Adapted Perturbation Theory. Journal of Chemical Theory and Computation, 2019, 15, 5965-5986. | 5.3 | 13 |
| 22 | A Multiâ€Scale Approach for Modeling the Optical Response of Molecular Materials Inside Cavities. Advanced Materials, 2022, 34, e2200350. | 21.0 | 13 |
| 23 | Impact of the current density on paramagnetic NMR properties. Journal of Chemical Physics, 2022, 157, . | 3.0 | 13 |
| 24 | Quasi-relativistic two-component computations of intermolecular dispersion energies. Molecular Physics, 2017, 115, 2775-2781. | 1.7 | 12 |
| 25 | Linear Response of Current-Dependent Density Functional Approximations in Magnetic Fields. Journal of Physical Chemistry Letters, 2022, 13, 4335-4341. | 4.6 | 11 |
| 26 | Coordinative Flexibility of a Thiophenolate Oxazoline Ligand in Nickel(II), Palladium(II), and Platinum(II) Complexes. European Journal of Inorganic Chemistry, 2015, 2015, 1569-1578. | 2.0 | 8 |
| 27 | Mercaptoarylâ€Oxazoline Complexes of Palladium and Their High Activities as Catalysts for Suzukiâ€“Miyaura Coupling Reactions in Water. European Journal of Inorganic Chemistry, 2018, 2018, 568-575. | 2.0 | 8 |
| 28 | Efficient Calculation of Magnetic Circular Dichroism Spectra Using Spin-Noncollinear Linear-Response Time-Dependent Density Functional Theory in Finite Magnetic Fields. Journal of Chemical Theory and Computation, 2022, 18, 3747-3758. | 5.3 | 7 |
| 29 | Modeling and measuring plasmonic excitations in hollow spherical gold nanoparticles. Journal of Chemical Physics, 2022, 156, 094103. | 3.0 | 5 |
| 30 | Multiscale Modeling of Broadband Perfect Absorbers Based on Gold Metallic Molecules. ACS Omega, 0, , . | 3.5 | 3 |
| 31 | A tetranuclear nickel(II) heterocubane complex of a bidentate N,O-hydroxymethyl-oxazoline ligand. Synthesis, characterization, magnetic measurements and DFT investigations. Journal of Coordination Chemistry, 2016, 69, 433-446. | 2.2 | 2 |