Christof Holzer

List of Publications by Year
in descending order

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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	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
2	Modeling and measuring plasmonic excitations in hollow spherical gold nanoparticles. Journal of Chemical Physics, 2022, 156, 094103.	3.0	5
3	A Multiâ€Scale Approach for Modeling the Optical Response of Molecular Materials Inside Cavities. Advanced Materials, 2022, 34, e2200350.	21.0	13
4	Linear Response of Current-Dependent Density Functional Approximations in Magnetic Fields. Journal of Physical Chemistry Letters, 2022, 13, 4335-4341.	4.6	11
5	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
6	A local hybrid exchange functional approximation from first principles. Journal of Chemical Physics, 2022, 157, .	3.0	18
7	Impact of the current density on paramagnetic NMR properties. Journal of Chemical Physics, 2022, 157, .	3.0	13
8	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
9	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
10	The GW/BSE Method in Magnetic Fields. Frontiers in Chemistry, 2021, 9, 746162.	3.6	14
11	Boosting Light Emission from Single Hydrogen Phthalocyanine Molecules by Charging. Nano Letters, 2020, 20, 7600-7605.	9.1	24
12	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
13	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
14	The first microsolvation step for furans: New experiments and benchmarking strategies. Journal of Chemical Physics, 2020, 152, 164303.	3.0	28
15	TURBOMOLE: Modular program suite for ab initio quantum-chemical and condensed-matter simulations. Journal of Chemical Physics, 2020, 152, 184107.	3.0	616
16	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
17	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
18	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

#	Article	IF	Citations
19	GW quasiparticle energies of atoms in strong magnetic fields. Journal of Chemical Physics, 2019, 150, 214112.	3.0	21
20	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
21	Vibrational Coherence Controls Molecular Fragmentation: Ultrafast Photodynamics of the [Ag₂Cl]⁺ Scaffold. Journal of Physical Chemistry Letters, 2018, 9, 804-810.	4.6	14
22	The furan microsolvation blind challenge for quantum chemical methods: First steps. Journal of Chemical Physics, 2018, 148, 014301.	3.0	44
23	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
24	Betheâ€“Salpeter correlation energies of atoms and molecules. Journal of Chemical Physics, 2018, 149, 144106.	3.0	24
25	Communication: A hybrid Betheâ€“Salpeter/time-dependent density-functional-theory approach for excitation energies. Journal of Chemical Physics, 2018, 149, 101101.	3.0	27
26	Quasi-relativistic two-component computations of intermolecular dispersion energies. Molecular Physics, 2017, 115, 2775-2781.	1.7	12
27	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
28	Experimental and Theoretical Determination of Dissociation Energies of Dispersion-Dominated Aromatic Molecular Complexes. Chemical Reviews, 2016, 116, 5614-5641.	47.7	62
29	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
30	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
31	Multiscale Modeling of Broadband Perfect Absorbers Based on Gold Metallic Molecules. ACS Omega, 0, , .	3.5	3