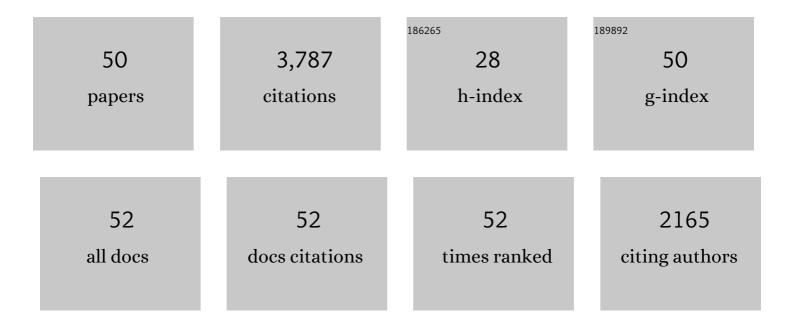
Andreas HeÃ&lmann

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	The Molpro quantum chemistry package. Journal of Chemical Physics, 2020, 152, 144107.	3.0	603
2	The Feynman dispersion correction for MNDO extended to F, Cl, Br and I. Journal of Molecular Modeling, 2019, 25, 156.	1.8	3
3	Comment on "Physisorption of Water on Graphene: Subchemical Accuracy from Many-Body Electronic Structure Methods― Journal of Physical Chemistry C, 2019, 123, 10163-10165.	3.1	9
4	Study of the Wilcox torsion balance in solution for a Tröger's base derivative with hexyl-and heptyl substituents using a combined molecular mechanics and quantum chemistry approach. Journal of Molecular Modeling, 2019, 25, 69.	1.8	4
5	Intermolecular interaction energies from fourth order many-body perturbation theory. Impact of individual electron correlation contributions. Journal of Chemical Physics, 2019, 151, 114105.	3.0	1
6	The Feynman dispersion correction for MNDO extended to F, Cl, Br and I. , 2019, 25, 1.		1
7	DFT-SAPT Intermolecular Interaction Energies Employing Exact-Exchange Kohn–Sham Response Methods. Journal of Chemical Theory and Computation, 2018, 14, 1943-1959.	5.3	27
8	Assessment of a range-separated orbital-optimised random-phase approximation electron correlation method. Theoretical Chemistry Accounts, 2018, 137, 1.	1.4	6
9	Geometry optimizations with the incremental molecular fragmentation method. Journal of Theoretical and Computational Chemistry, 2018, 17, 1850037.	1.8	5
10	Geometry optimisations with a nonlocal density-functional theory method based on a double Hirshfeld partitioning. Journal of Chemical Physics, 2018, 149, 044103.	3.0	2
11	The coulombic σ-hole model describes bonding in CX ₃ lâ< ⁻ Y ^{â⁻'} complexes completely. Physical Chemistry Chemical Physics, 2018, 20, 22849-22855.	2.8	50
12	Trifluoromethyl: An Amphiphilic Noncovalent Bonding Partner. ChemPhysChem, 2017, 18, 772-784.	2.1	47
13	Accurate Intermolecular Potential for the C ₆₀ Dimer: The Performance of Different Levels of Quantum Theory. Journal of Chemical Theory and Computation, 2017, 13, 274-285.	5.3	20
14	Intramolecular interactions in sterically crowded hydrocarbon molecules. Journal of Computational Chemistry, 2017, 38, 2500-2508.	3.3	17
15	Molecular energies from an incremental fragmentation method. Journal of Chemical Physics, 2016, 144, 084109.	3.0	21
16	On the Stability of Cyclophane Derivates Using a Molecular Fragmentation Method. ChemPhysChem, 2016, 17, 3863-3874.	2.1	12
17	Molecular Excitation Energies from Time-Dependent Density Functional Theory Employing Random-Phase Approximation Hessians with Exact Exchange. Journal of Chemical Theory and Computation, 2015, 11, 1607-1620.	5.3	9
18	Polarisabilities of long conjugated chain molecules with density functional response methods: The role of coupled and uncoupled response. Journal of Chemical Physics, 2015, 142, 164102.	3.0	6

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19	Intermolecular symmetry-adapted perturbation theory study of large organic complexes. Journal of Chemical Physics, 2014, 141, 094107.	3.0	77
20	Efficient self-consistent treatment of electron correlation within the random phase approximation. Journal of Chemical Physics, 2013, 139, 084113.	3.0	81
21	On the Short-Range Behavior of Correlated Pair Functions from the Adiabatic-Connection Fluctuation–Dissipation Theorem of Density-Functional Theory. Journal of Chemical Theory and Computation, 2013, 9, 4382-4395.	5.3	17
22	Assessment of a Nonlocal Correction Scheme to Semilocal Density Functional Theory Methods. Journal of Chemical Theory and Computation, 2013, 9, 273-283.	5.3	27
23	Directional Noncovalent Interactions: Repulsion and Dispersion. Journal of Chemical Theory and Computation, 2013, 9, 2264-2275.	5.3	64
24	Long-range correlation energies from frequency-dependent weighted exchange-hole dipole polarisabilities. Journal of Chemical Physics, 2012, 136, 014104.	3.0	15
25	Random-phase-approximation correlation method including exchange interactions. Physical Review A, 2012, 85, .	2.5	60
26	Resolution of identity approach for the Kohn-Sham correlation energy within the exact-exchange random-phase approximation. Journal of Chemical Physics, 2012, 136, 134102.	3.0	52
27	Comparison of Intermolecular Interaction Energies from SAPT and DFT Including Empirical Dispersion Contributions. Journal of Physical Chemistry A, 2011, 115, 11321-11330.	2.5	48
28	On the accuracy of DFT-SAPT, MP2, SCS-MP2, MP2C, and DFT+Disp methods for the interaction energies of endohedral complexes of the C ₆₀ fullerene with a rare gas atom. Physical Chemistry Chemical Physics, 2011, 13, 732-743.	2.8	82
29	Third-order corrections to random-phase approximation correlation energies. Journal of Chemical Physics, 2011, 134, 204107.	3.0	28
30	Efficient exact-exchange time-dependent density-functional theory methods and their relation to time-dependent Hartree–Fock. Journal of Chemical Physics, 2011, 134, 034120.	3.0	25
31	The role of orbital transformations in coupled-pair functionals. Theoretical Chemistry Accounts, 2010, 127, 311-325.	1.4	28
32	Molecular excitation spectra by TDDFT with the nonadiabatic exact exchange kernel. International Journal of Quantum Chemistry, 2010, 110, 2202-2220.	2.0	23
33	Density-Functional Theory with Orbital-Dependent Functionals: Exact-exchange Kohn-Sham and Density-Functional Response Methods. Zeitschrift Fur Physikalische Chemie, 2010, 224, 325-342.	2.8	16
34	Random phase approximation correlation energies with exact Kohn–Sham exchange. Molecular Physics, 2010, 108, 359-372.	1.7	121
35	Accurate Intermolecular Interaction Energies from a Combination of MP2 and TDDFT Response Theory. Journal of Chemical Theory and Computation, 2010, 6, 168-178.	5.3	154
36	Derivation of the dispersion energy as an explicit density- and exchange-hole functional. Journal of Chemical Physics, 2009, 130, 084104.	3.0	34

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37	Symmetry-Adapted Perturbation Theory Applied to Endohedral Fullerene Complexes: A Stability Study of H ₂ @C ₆₀ and 2H ₂ @C ₆₀ . Journal of Chemical Theory and Computation, 2009, 5, 1585-1596.	5.3	83
38	Charge-transfer excitation energies with a time-dependent density-functional method suitable for orbital-dependent exchange-correlation kernels. Physical Review A, 2009, 80, .	2.5	49
39	Comparison between optimized effective potential and Kohn–Sham methods. Chemical Physics Letters, 2008, 455, 110-119.	2.6	30
40	Improved supermolecular second order MÃ,ller–Plesset intermolecular interaction energies using time-dependent density functional response theory. Journal of Chemical Physics, 2008, 128, 144112.	3.0	123
41	Relation between exchange-only optimized potential and Kohn–Sham methods with finite basis sets, and effect of linearly dependent products of orbital basis functions. Journal of Chemical Physics, 2008, 128, 104104.	3.0	61
42	Numerically stable optimized effective potential method with balanced Gaussian basis sets. Journal of Chemical Physics, 2007, 127, 054102.	3.0	130
43	Interaction Energy Contributions of H-Bonded and Stacked Structures of the AT and GC DNA Base Pairs from the Combined Density Functional Theory and Intermolecular Perturbation Theory Approach. Journal of the American Chemical Society, 2006, 128, 11730-11731.	13.7	181
44	Intermolecular dispersion energies from time-dependent density functional theory. Chemical Physics Letters, 2003, 367, 778-784.	2.6	358
45	The helium dimer potential from a combined density functional theory and symmetry-adapted perturbation theory approach using an exact exchange–correlation potential. Physical Chemistry Chemical Physics, 2003, 5, 5010-5014.	2.8	198
46	First-order intermolecular interaction energies from Kohn–Sham orbitals. Chemical Physics Letters, 2002, 357, 464-470.	2.6	323
47	Intermolecular induction and exchange-induction energies from coupled-perturbed Kohn–Sham density functional theory. Chemical Physics Letters, 2002, 362, 319-325.	2.6	240
48	Comment on "Using Kohnâ^'Sham Orbitals in Symmetry-Adapted Perturbation Theory To Investigate Intermolecular Interactions― Journal of Physical Chemistry A, 2001, 105, 11156-11157.	2.5	165
49	First-order intermolecular interaction energies from coupled-cluster Brueckner orbitals. Journal of Chemical Physics, 2000, 112, 6949-6952.	3.0	28
50	Molecular properties from coupled-cluster Brueckner orbitals. Chemical Physics Letters, 1999, 315, 248-256.	2.6	21