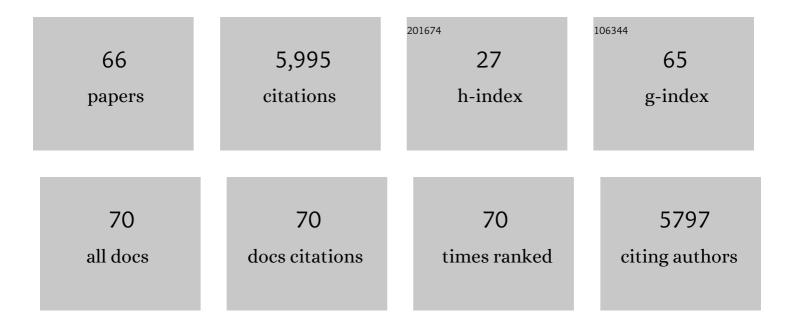
List of Publications by Year in descending order

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ADDIAN DANIEL BOESE

#	Article	IF	CITATIONS
1	Intramolecular resonance-assisted hydrogen bonds: Insights from symmetry adapted perturbation theory. Chemical Physics, 2022, 557, 111474.	1.9	2
2	Water as a monomer: synthesis of an aliphatic polyethersulfone from divinyl sulfone and water. Chemical Science, 2022, 13, 6920-6928.	7.4	8
3	Nonâ€Planar Structures of Sterically Overcrowded Trialkylamines. Chemistry - A European Journal, 2021, 27, 3700-3707.	3.3	3
4	Catalytic reduction of nitrate by an oxidorhenium (V) complex. Journal of Catalysis, 2021, 397, 108-115.	6.2	6
5	Electron-rich triarylphosphines as nucleophilic catalysts for oxa-Michael reactions. Beilstein Journal of Organic Chemistry, 2021, 17, 1689-1697.	2.2	8
6	Mechanistic Studies of the TRIP-Catalyzed Allylation with Organozinc Reagents. Journal of Organic Chemistry, 2020, 85, 9672-9679.	3.2	5
7	On the Regioselectivity of the Gould–Jacobs Reaction: Gasâ€Phase Versus Solutionâ€Phase Thermolysis. European Journal of Organic Chemistry, 2020, 2020, 7051-7061.	2.4	5
8	How to control single-molecule rotation. Nature Communications, 2019, 10, 4631.	12.8	61
9	Adjusting dispersion parameters for the density-functional tight-binding description of molecular crystals. Chemical Physics Letters, 2019, 718, 7-11.	2.6	5
10	ZMP-SAPT: DFT-SAPT using <i>ab initio</i> densities. Journal of Chemical Physics, 2019, 150, 154101.	3.0	10
11	Revised values for the X23 benchmark set of molecular crystals. Physical Chemistry Chemical Physics, 2019, 21, 24333-24344.	2.8	31
12	Adsorption of nitrogen-containing compounds on hydroxylated α-quartz surfaces. RSC Advances, 2019, 9, 36066-36074.	3.6	0
13	Efficient CO <sub>2</sub> Insertion and Reduction Catalyzed by a Terminal Zinc Hydride Complex. Angewandte Chemie, 2018, 130, 7022-7025.	2.0	11
14	Efficient CO <sub>2</sub> Insertion and Reduction Catalyzed by a Terminal Zinc Hydride Complex. Angewandte Chemie - International Edition, 2018, 57, 6906-6909.	13.8	39
15	Development of Embedded and Performance of Density Functional Methods for Molecular Crystals. Journal of Physical Chemistry A, 2018, 122, 708-713.	2.5	22
16	Strontium-free rare earth perovskite ferrites with fast oxygen exchange kinetics: Experiment and theory. Journal of Solid State Chemistry, 2018, 259, 57-66.	2.9	21
17	Towards hybrid density functional calculations of molecular crystals via fragment-based methods. Journal of Chemical Physics, 2018, 149, 124104.	3.0	13
18	Embedded and DFT Calculations on the Crystal Structures of Small Alkanes, Notably Propane. Crystal Growth and Design, 2017, 17, 1636-1646.	3.0	18

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19	Energy Ordering of Molecular Orbitals. Journal of Physical Chemistry Letters, 2017, 8, 208-213.	4.6	38
20	Synthesis and Characterization of a Thiopyridazinylmethane-Based Scorpionate Ligand: Formation of Zinc Complexes and Rearrangement Reaction. Organometallics, 2017, 36, 3790-3798.	2.3	8
21	Cold inelastic collisions of He( <sup>1</sup> S) with the smallest astrophysical anion observed, CN <sup>â^'</sup> ( <sup>1</sup> Σ <sup>+</sup> ): an accurate quantum dynamical study Journal of Physics: Conference Series, 2017, 875, 102018.	0.4	1
22	CO Molecules on a NaCl(100) Surface: Structures, Energetics, and Vibrational Davydov Splittings at Various Coverages. Journal of Physical Chemistry C, 2016, 120, 12637-12653.	3.1	12
23	Accurate adsorption energies for small molecules on oxide surfaces: CH <sub>4</sub> /MgO(001) and C <sub>2</sub> H <sub>6</sub> /MgO(001). Journal of Computational Chemistry, 2016, 37, 2374-2385.	3.3	20
24	Report on the sixth blind test of organic crystal structure prediction methods. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2016, 72, 439-459.	1.1	445
25	Tetrahydrothiophene and Tetrahydrofuran, Computational and X-ray Studies in the Crystalline Phase. Crystal Growth and Design, 2015, 15, 1073-1081.	3.0	15
26	Density Functional Theory and Hydrogen Bonds: Are We There Yet?. ChemPhysChem, 2015, 16, 978-985.	2.1	129
27	Basis set limit coupled-cluster studies of hydrogen-bonded systems. Molecular Physics, 2015, 113, 1618-1629.	1.7	24
28	Ab Initio Study of the Adsorption of Small Molecules on Metal–Organic Frameworks with Oxo-centered Trimetallic Building Units: The Role of the Undercoordinated Metal Ion. Inorganic Chemistry, 2015, 54, 8251-8263.	4.0	48
29	Mechanism of O( <sup>3</sup> P) Formation from a Hydroxyl Radical Pair in Aqueous Solution. Journal of Chemical Theory and Computation, 2015, 11, 4740-4748.	5.3	9
30	The vibrational spectrum of FeO2+ isomers—Theoretical benchmark and experiment. Journal of Chemical Physics, 2014, 140, 204315.	3.0	20
31	Adsorption of Nitrogen-Containing Compounds on the (100) α-Quartz Surface: Ab Initio Cluster Approach. Journal of Physical Chemistry C, 2014, 118, 3023-3034.	3.1	17
32	Addendum: Assessment of Coupled Cluster Theory and more Approximate Methods for Hydrogen Bonded Systems. Journal of Chemical Theory and Computation, 2014, 10, 893-893.	5.3	2
33	Accurate adsorption energies of small molecules on oxide surfaces: CO–MgO(001). Physical Chemistry Chemical Physics, 2013, 15, 16481.	2.8	64
34	Assessment of Coupled Cluster Theory and more Approximate Methods for Hydrogen Bonded Systems. Journal of Chemical Theory and Computation, 2013, 9, 4403-4413.	5.3	41
35	The hemibond as an alternative condensed phase structure for the hydroxyl radical. Canadian Journal of Chemistry, 2013, 91, 544-551.	1.1	12
36	Ethyl Acetate: Xâ€ray, Solvent and Computed Structures. ChemPhysChem, 2013, 14, 799-804.	2.1	13

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37	Cross-talk between amino acid residues and flavonoid derivatives: insights into their chemical recognition. Physical Chemistry Chemical Physics, 2012, 14, 15682.	2.8	8
38	Constructing simple yet accurate potentials for describing the solvation of HCl/waterclusters in bulk helium and nanodroplets. Physical Chemistry Chemical Physics, 2011, 13, 14550.	2.8	13
39	Interaction Between Gold Atoms and Thio-Aryl Ligands on the Au(111) Surface. Journal of Physical Chemistry C, 2011, 115, 24871-24879.	3.1	11
40	Effects of counterpoise correction and basis set extrapolation on the MP2 geometries of hydrogen bonded dimers of ammonia, water, and hydrogen fluoride. Physical Chemistry Chemical Physics, 2011, 13, 1230-1238.	2.8	31
41	Infrared multiphoton electron detachment spectroscopy of C762â^'. Journal of Chemical Physics, 2009, 131, 124306.	3.0	10
42	MMH-2 as a new approach for the prediction of intermolecular interactions: the crystal packing of acetamide. CrystEngComm, 2009, 11, 2358.	2.6	7
43	Accurate ab initio computation of thermochemical data for C3Hx species. Chemical Physics, 2008, 346, 56-68.	1.9	37
44	The Protonation Site of Aniline Revisited: A 'Torture Test' for Electron Correlation Methods. ACS Symposium Series, 2007, , 183-192.	0.5	3
45	AB INITIO MOLECULAR DYNAMICS STUDY OF DISSOLVED SiO2 IN SUPERCRITICAL WATER. Journal of Theoretical and Computational Chemistry, 2007, 06, 49-62.	1.8	18
46	Basis Set Limit Coupled Cluster Study of H-Bonded Systems and Assessment of More Approximate Methods. Journal of Physical Chemistry A, 2007, 111, 11122-11133.	2.5	87
47	Benchmark Study of DFT Functionals for Late-Transition-Metal Reactionsâ€. Journal of Physical Chemistry A, 2006, 110, 709-716.	2.5	223
48	Rozen's Epoxidation Reagent, CH3CN·HOF: A Theoretical Study of Its Structure, Vibrational Spectroscopy, and Reaction Mechanismâ€. Journal of Physical Chemistry A, 2006, 110, 8275-8281.	2.5	9
49	Anharmonic force fields of perchloric acid, HClO4, and perchloric anhydride, Cl2O7. An extreme case of inner polarization. Journal of Molecular Structure, 2006, 780-781, 310-316.	3.6	15
50	Assessment of various density functionals and basis sets for the calculation of molecular anharmonic force fields. International Journal of Quantum Chemistry, 2005, 104, 830-845.	2.0	67
51	Unusual hydrogen bonding behavior in binary complexes of coinage metal anions with water. Journal of Chemical Physics, 2005, 123, 084307.	3.0	46
52	Infrared spectra of O2â^'â^™(CO2)n clusters (n=1–6): Asymmetric docking at the Ï€* orbital. Journal of Chemical Physics, 2005, 123, 074316.	3.0	14
53	The infrared spectrum of Auâ~â^™CO2. Journal of Chemical Physics, 2005, 122, 154301.	3.0	56
54	Anharmonic force fields and thermodynamic functions using density functional theory. Molecular Physics, 2005, 103, 863-876.	1.7	59

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55	W3 theory: Robust computational thermochemistry in the kJ/mol accuracy range. Journal of Chemical Physics, 2004, 120, 4129-4141.	3.0	434
56	Vibrational Spectra of the Azabenzenes Revisited: Anharmonic Force Fieldsâ€. Journal of Physical Chemistry A, 2004, 108, 3085-3096.	2.5	151
57	Development of density functionals for thermochemical kinetics. Journal of Chemical Physics, 2004, 121, 3405-3416.	3.0	1,380
58	The role of the basis set: Assessing density functional theory. Journal of Chemical Physics, 2003, 119, 3005-3014.	3.0	181
59	From ab initio quantum chemistry to molecular dynamics: The delicate case of hydrogen bonding in ammonia. Journal of Chemical Physics, 2003, 119, 5965-5980.	3.0	153
60	New exchange-correlation density functionals: The role of the kinetic-energy density. Journal of Chemical Physics, 2002, 116, 9559-9569.	3.0	454
61	A new parametrization of exchange–correlation generalized gradient approximation functionals. Journal of Chemical Physics, 2001, 114, 5497-5503.	3.0	659
62	New generalized gradient approximation functionals. Journal of Chemical Physics, 2000, 112, 1670-1678.	3.0	332
63	Predicting the binding energies of H-bonded complexes: A comparative DFT study. Physical Chemistry Chemical Physics, 1999, 1, 3939-3947.	2.8	225
64	C2 fragmentation energy of C60 revisited: theory disagrees with most experiments. Chemical Physics Letters, 1998, 294, 233-236.	2.6	64
65	The Surprising Crystal Packing of Chlorinefluoride. Angewandte Chemie International Edition in English, 1997, 36, 1489-1492.	4.4	54
66	Die überraschende Kristallpackung von Chlorfluorid. Angewandte Chemie, 1997, 109, 1538-1541.	2.0	8