Aaron C West

List of Publications by Year
in descending order

15 papers	354 citations	933447 10 h-index	996975 15 g-index
15 all docs	15 docs citations	15 times ranked	241 citing authors

#	Article	IF	Citations
1	Quasi-Atomic Bond Analyses in the Sixth Period: I. Relativistic Accurate Atomic Minimal Basis Sets for the Elements Cesium to Radon. Journal of Physical Chemistry A, 2019, 123, 5242-5248.	2.5	11
2	Intrinsic Resolution of Molecular Electronic Wave Functions and Energies in Terms of Quasi-atoms and Their Interactions. Journal of Physical Chemistry A, 2017, 121, 1086-1105.	2.5	44
3	Relativistic ab Initio Accurate Atomic Minimal Basis Sets: Quantitative LUMOs and Oriented Quasi-Atomic Orbitals for the Elements Liâ€“Xe. Journal of Physical Chemistry A, 2017, 121, 3588-3597.	2.5	18
4	Identification and Characterization of Molecular Bonding Structures by ab initio Quasi-Atomic Orbital Analyses. Journal of Physical Chemistry A, 2017, 121, 8884-8898.	2.5	23
5	Atom-Based Strong Correlation Method: An Orbital Selection Algorithm. Journal of Physical Chemistry A, 2017, 121, 8912-8926.	2.5	1
6	Genetic Characterization of ExPEC-Like Virulence Plasmids among a Subset of NMEC. PLoS ONE, 2016, 11, e0147757.	2.5	14
7	A Comprehensive Analysis in Terms of Molecule-Intrinsic, Quasi-Atomic Orbitals. III. The Covalent Bonding Structure of Urea. Journal of Physical Chemistry A, 2015, 119, 10368-10375.	2.5	37
8	A Comprehensive Analysis in Terms of Molecule-Intrinsic Quasi-Atomic Orbitals. IV. Bond Breaking and Bond Forming along the Dissociative Reaction Path of Dioxetane. Journal of Physical Chemistry A, 2015, 119, 10376-10389.	2.5	31
9	A Comprehensive Analysis in Terms of Molecule-Intrinsic, Quasi-Atomic Orbitals. II. Strongly Correlated MCSCF Wave Functions. Journal of Physical Chemistry A, 2015, 119, 10360-10367.	2.5	49
10	Nonadiabatic dynamics study of methaniminium with ORMAS: Challenges of incomplete active spaces in dynamics simulations. Computational and Theoretical Chemistry, 2014, 1040-1041, 158-166.	2.5	6
11	A comprehensive analysis of molecule-intrinsic quasi-atomic, bonding, and correlating orbitals. I. Hartree-Fock wave functions. Journal of Chemical Physics, 2013, 139, 234107.	3.0	83
12	OÂ+ÂC2H4 potential energy surface: lowest-lying singlet at the multireference level. Theoretical Chemistry Accounts, 2012, 131, 1.	1.4	5
13	Can ORMAS be used for nonadiabatic coupling calculations? SiCH4 and butadiene contours. Theoretical Chemistry Accounts, 2012, 131, 1.	1.4	3
14	OÂ+ÂC2H4 potential energy surface: excited states and biradicals at the multireference level. Theoretical Chemistry Accounts, 2012, 131, 1.	1.4	8
15	O(³P) + C₂H₄ Potential Energy Surface: Study at the Multireference Level. Journal of Physical Chemistry A, 2009, 113, 12663-12674.	2.5	21