

Aaron C West

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A comprehensive analysis of molecule-intrinsic quasi-atomic, bonding, and correlating orbitals. I. Hartree-Fock wave functions. <i>Journal of Chemical Physics</i> , 2013, 139, 234107.	3.0	83
2	A Comprehensive Analysis in Terms of Molecule-Intrinsic, Quasi-Atomic Orbitals. II. Strongly Correlated MCSCF Wave Functions. <i>Journal of Physical Chemistry A</i> , 2015, 119, 10360-10367.	2.5	49
3	Intrinsic Resolution of Molecular Electronic Wave Functions and Energies in Terms of Quasi-atoms and Their Interactions. <i>Journal of Physical Chemistry A</i> , 2017, 121, 1086-1105.	2.5	44
4	A Comprehensive Analysis in Terms of Molecule-Intrinsic, Quasi-Atomic Orbitals. III. The Covalent Bonding Structure of Urea. <i>Journal of Physical Chemistry A</i> , 2015, 119, 10368-10375.	2.5	37
5	A Comprehensive Analysis in Terms of Molecule-Intrinsic Quasi-Atomic Orbitals. IV. Bond Breaking and Bond Forming along the Dissociative Reaction Path of Dioxetane. <i>Journal of Physical Chemistry A</i> , 2015, 119, 10376-10389.	2.5	31
6	Identification and Characterization of Molecular Bonding Structures by ab initio Quasi-Atomic Orbital Analyses. <i>Journal of Physical Chemistry A</i> , 2017, 121, 8884-8898.	2.5	23
7	$O(^3P) + C_2H_4$ Potential Energy Surface: Study at the Multireference Level. <i>Journal of Physical Chemistry A</i> , 2009, 113, 12663-12674.	2.5	21
8	Relativistic <i>ab Initio</i> Accurate Atomic Minimal Basis Sets: Quantitative LUMOs and Oriented Quasi-Atomic Orbitals for the Elements Li–Xe. <i>Journal of Physical Chemistry A</i> , 2017, 121, 3588-3597.	2.5	18
9	Genetic Characterization of ExPEC-Like Virulence Plasmids among a Subset of NMEC. <i>PLoS ONE</i> , 2016, 11, e0147757.	2.5	14
10	Quasi-Atomic Bond Analyses in the Sixth Period: I. Relativistic Accurate Atomic Minimal Basis Sets for the Elements Cesium to Radon. <i>Journal of Physical Chemistry A</i> , 2019, 123, 5242-5248.	2.5	11
11	$O^+C_2H_4$ potential energy surface: excited states and biradicals at the multireference level. <i>Theoretical Chemistry Accounts</i> , 2012, 131, 1.	1.4	8
12	Nonadiabatic dynamics study of methaniminium with ORMAS: Challenges of incomplete active spaces in dynamics simulations. <i>Computational and Theoretical Chemistry</i> , 2014, 1040-1041, 158-166.	2.5	6
13	$O^+C_2H_4$ potential energy surface: lowest-lying singlet at the multireference level. <i>Theoretical Chemistry Accounts</i> , 2012, 131, 1.	1.4	5
14	Can ORMAS be used for nonadiabatic coupling calculations? $SiCH_4$ and butadiene contours. <i>Theoretical Chemistry Accounts</i> , 2012, 131, 1.	1.4	3
15	Atom-Based Strong Correlation Method: An Orbital Selection Algorithm. <i>Journal of Physical Chemistry A</i> , 2017, 121, 8912-8926.	2.5	1