

Ernest Davidson

List of Publications by Year in descending order

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399
papers

35,042
citations

7251

80
h-index

4853

174
g-index

462
all docs

462
docs citations

462
times ranked

12929
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Atomic isotropic hyperfine properties for first row elements (B&F) revisited. Journal of Chemical Physics, 2022, 156, 034304. | 1.2 | 3 |
| 2 | A viewpoint on population analyses. International Journal of Quantum Chemistry, 2022, 122, . | 1.0 | 5 |
| 3 | Complete-active-space extended Koopmans theorem method. Journal of Chemical Physics, 2021, 155, 051102. | 1.2 | 7 |
| 4 | The Right Answer for the Right Reason: My Personal Goal for Quantum Chemistry. Annual Review of Physical Chemistry, 2019, 70, 1-20. | 4.8 | 11 |
| 5 | A theoretical study of the adiabatic and vertical ionization potentials of water. Journal of Chemical Physics, 2018, 148, 234308. | 1.2 | 5 |
| 6 | Nature of ground and electronic excited states of higher acenes. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E5098-107. | 3.3 | 147 |
| 7 | Approximate singly excited states from a two-component Hartree-Fock reference. Journal of Chemical Physics, 2015, 143, 144106. | 1.2 | 10 |
| 8 | The benzene radical anion: A computationally demanding prototype for aromatic anions. Journal of Chemical Physics, 2015, 142, 204304. | 1.2 | 24 |
| 9 | Singlet&Triplet Energy Gaps for Diradicals from Particle&Particle Random Phase Approximation. Journal of Physical Chemistry A, 2015, 119, 4923-4932. | 1.1 | 34 |
| 10 | A systematic approach to vertically excited states of ethylene using configuration interaction and coupled cluster techniques. Journal of Chemical Physics, 2014, 141, 104302. | 1.2 | 41 |
| 11 | Canonical form of the Hartree-Fock orbitals in open-shell systems. Journal of Chemical Physics, 2014, 140, 014102. | 1.2 | 21 |
| 12 | Linear inequalities for density matrices: IV Factorizations. Computational and Theoretical Chemistry, 2013, 1003, 28-31. | 1.1 | 3 |
| 13 | Variational definitions of orbital energies. , 2012, , . | | 1 |
| 14 | Koopmans&TMs theorem in the restricted open-shell Hartree&Fock method. II. The second canonical set for orbitals and orbital energies. Journal of Chemical Physics, 2010, 132, . | 1.2 | 22 |
| 15 | Spin-state splittings, highest-occupied-molecular-orbital and lowest-unoccupied-molecular-orbital energies, and chemical hardness. Journal of Chemical Physics, 2010, 133, 164107. | 1.2 | 14 |
| 16 | Comment on &Combined open shell Hartree&Fock theory of atomic-molecular and nuclear systems&[J. Math. Chem. 42 (2007) 177]. Journal of Mathematical Chemistry, 2009, 45, 859-866. | 0.7 | 2 |
| 17 | Qualitatively significant effects of electron correlation. International Journal of Quantum Chemistry, 2009, 20, 65-68. | 1.0 | 0 |
| 18 | Theoretical and Spectroscopic Investigations of the Bonding and Reactivity of (RO) ₃ M%jN Molecules, where M = Cr, Mo, and W. Inorganic Chemistry, 2009, 48, 828-837. | 1.9 | 8 |

| # | ARTICLE | IF | CITATIONS |
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| 19 | Koopmans's Theorem in the Restricted Open-Shell Hartree-Fock Method. 1. A Variational Approach. Journal of Physical Chemistry A, 2009, 113, 12386-12395. | 1.1 | 47 |
| 20 | Size extensivity of the direct optimized effective potential method. Journal of Chemical Physics, 2008, 128, 114702. | 1.2 | 5 |
| 21 | The effective local potential method: Implementation for molecules and relation to approximate optimized effective potential techniques. Journal of Chemical Physics, 2007, 126, 084107. | 1.2 | 35 |
| 22 | Self-consistent effective local potentials. Journal of Chemical Physics, 2007, 127, 084113. | 1.2 | 20 |
| 23 | Understanding Electron Correlation: Recent Progress in Molecular Synchrotron Photoelectron Spectroscopy. Advances in Chemical Physics, 2007, , 215-266. | 0.3 | 22 |
| 24 | Linear Inequalities for Diagonal Elements of Density Matrices. Advances in Chemical Physics, 2007, , 443-483. | 0.3 | 23 |
| 25 | Analysis of wave functions for open-shell molecules. Physical Chemistry Chemical Physics, 2007, 9, 1881. | 1.3 | 52 |
| 26 | Large Ground-State Entropy Changes for Hydrogen Atom Transfer Reactions of Iron Complexes. Journal of the American Chemical Society, 2007, 129, 5153-5166. | 6.6 | 134 |
| 27 | Basis Sets for Ab Initio Molecular Orbital Calculations and Intermolecular Interactions. Reviews in Computational Chemistry, 2007, , 1-43. | 1.5 | 36 |
| 28 | Ab Initio Diradical/Zwitterionic Polarizabilities and Hyperpolarizabilities in Twisted Double Bonds. Journal of Physical Chemistry A, 2006, 110, 7189-7196. | 1.1 | 30 |
| 29 | Optimized effective potentials yielding Hartree-Fock energies and densities. Journal of Chemical Physics, 2006, 124, 141103. | 1.2 | 175 |
| 30 | Necessary conditions for the N-representability of pair distribution functions. International Journal of Quantum Chemistry, 2006, 106, 1487-1498. | 1.0 | 49 |
| 31 | LÃ¶wdin population analysis with and without rotational invariance. International Journal of Quantum Chemistry, 2006, 106, 2065-2072. | 1.0 | 65 |
| 32 | Stoichiometric oxidations of C=C bonds: Radical and possible non-radical pathways. Journal of Molecular Catalysis A, 2006, 251, 24-33. | 4.8 | 30 |
| 33 | Effective local potentials for orbital-dependent density functionals. Journal of Chemical Physics, 2006, 125, 081104. | 1.2 | 81 |
| 34 | High-density limit of the Perdew-Burke-Ernzerhof generalized gradient approximation and related density functionals. Physical Review A, 2006, 74, . | 1.0 | 52 |
| 35 | Charge and Spin Distributions. , 2006, , 1001-1001. | | 0 |
| 36 | Spin polarization and annihilation for radicals and diradicals. International Journal of Quantum Chemistry, 2005, 103, 1-9. | 1.0 | 44 |

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| 37 | Computational Studies of the Thermal Fragmentation of P-Arylphosphiranes: Have Arylphosphinidenes Been Generated by This Method?. <i>Journal of the American Chemical Society</i> , 2005, 127, 9886-9894. | 6.6 | 20 |
| 38 | Ligand-Assisted Reduction of Osmium Tetroxide with Molecular Hydrogen via a [3+2] Mechanism. <i>Journal of the American Chemical Society</i> , 2005, 127, 3423-3432. | 6.6 | 37 |
| 39 | Energies of isoelectronic atomic ions from a successful metageneralized gradient approximation and other density functionals. <i>Physical Review A</i> , 2004, 70, . | 1.0 | 33 |
| 40 | Bonding in FHF?, (HF) ₂ , and FHF. <i>International Journal of Quantum Chemistry</i> , 2004, 98, 317-324. | 1.0 | 22 |
| 41 | Large Spin Differences in Structurally Related Fe ₆ Molecular Clusters and Their Magnetostructural Explanation. <i>Inorganic Chemistry</i> , 2004, 43, 5505-5521. | 1.9 | 140 |
| 42 | Polynuclear Manganese Complexes with the Dicarboxylate Ligand m-Phenylenedipropionate: A Hexanuclear Mixed-Valence (3Mn ^{III} , 3Mn ^{IV}) Complex. <i>Inorganic Chemistry</i> , 2004, 43, 101-115. | 1.9 | 53 |
| 43 | p-Benzyne Derivatives that Have Exceptionally Small Singlet-Triplet Gaps and Even a Triplet Ground State.. <i>ChemInform</i> , 2003, 34, no. | 0.1 | 0 |
| 44 | An investigation into the relative influence of alkoxide and thiolate ligands on the metal-carbon triple bond in X ₃ M [†] CH compounds, where M=Cr, Mo and W and X=OH, SH, OCH ₃ , SCH ₃ , OCF ₃ and SCF ₃ from electronic structure calculations. <i>Polyhedron</i> , 2003, 22, 145-152. | 1.0 | 3 |
| 45 | Linear inequalities for density matrices: III. <i>International Journal of Quantum Chemistry</i> , 2003, 91, 1-4. | 1.0 | 23 |
| 46 | Semiempirical local spin: Theory and implementation of the ZILSH method for predicting Heisenberg exchange constants of polynuclear transition metal complexes. <i>International Journal of Quantum Chemistry</i> , 2003, 92, 294-325. | 1.0 | 47 |
| 47 | Population analyses that utilize projection operators. <i>International Journal of Quantum Chemistry</i> , 2003, 93, 384-394. | 1.0 | 70 |
| 48 | Single-Molecule Magnets: A Two-Electron Reduced Version of a Mn ₁₂ Complex and Environmental Influences on the Magnetization Relaxation of (PPh ₄) ₂ [Mn ₁₂ O ₁₂ (O ₂ CCHCl ₂) ₁₆ (H ₂ O) ₄]. <i>Journal of the American Chemical Society</i> , 2003, 125, 3576-3588. | 6.6 | 149 |
| 49 | Methanolysis and Phenolysis Routes to Fe ₆ , Fe ₈ , and Fe ₁₀ Complexes and Their Magnetic Properties: A New Type of Fe ₈ Ferric Wheel. <i>Inorganic Chemistry</i> , 2003, 42, 7819-7829. | 1.9 | 59 |
| 50 | ³⁴ S Isotope Effect on Sulfate Ester Hydrolysis: Mechanistic Implications. <i>Journal of the American Chemical Society</i> , 2003, 125, 13036-13037. | 6.6 | 25 |
| 51 | p-Benzyne Derivatives That Have Exceptionally Small Singlet-Triplet Gaps and Even a Triplet Ground State. <i>Journal of Organic Chemistry</i> , 2003, 68, 3387-3396. | 1.7 | 27 |
| 52 | Non-Stern-Volmer Quenching of S ₁ pDFB Fluorescence by O ₂ and the Charge Transfer Complex. <i>Journal of Physical Chemistry A</i> , 2003, 107, 3552-3558. | 1.1 | 7 |
| 53 | A TDDFT description of the low-energy excited states of copper and zinc metalloenediynesElectronic supplementary information (ESI) available: Cartesian coordinates of optimized structures and tables of the TDDFT configurations for each excited state. See http://www.rsc.org/suppdata/cc/b3/b308633j/ . <i>Chemical Communications</i> , 2003, ., 2876. | 2.2 | 5 |
| 54 | Exactness of the General Two-Body Cluster Expansion in Many-Body Quantum Theory. <i>Physical Review Letters</i> , 2003, 91, 123001. | 2.9 | 22 |

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| 55 | Local spin II. Molecular Physics, 2002, 100, 373-383. | 0.8 | 76 |
| 56 | Local Spin III: Wave Function Analysis along a Reaction Coordinate, H Atom Abstraction, and Addition Processes of Benzynes. Journal of Physical Chemistry A, 2002, 106, 6890-6896. | 1.1 | 52 |
| 57 | Trithiolatomolybdenum Nitrides, (RS) ₃ MoN Where R = iPr and tBu, Preparation, Characterization and Comparisons with Related Trialkoxymolybdenumnitrides. Inorganic Chemistry, 2002, 41, 3437-3443. | 1.9 | 11 |
| 58 | Insights into the Metathesis Reaction Involving M≡M, C≡C, and M≡C Triple Bonds from Computations Employing Density Functional Theory on Model Compounds M ₂ (OH) ₆ and M ₂ (SH) ₆ , Where M = Mo and W. Journal of the American Chemical Society, 2002, 124, 15351-15358. | 6.6 | 21 |
| 59 | Model Molecular Magnets. Journal of Physical Chemistry A, 2002, 106, 7456-7461. | 1.1 | 34 |
| 60 | Comparison of \hat{I}_{\pm} CH and CF activation in alkyl transition metal complexes: a DFT and CASSCF study. Molecular Physics, 2002, 100, 533-540. | 0.8 | 21 |
| 61 | Two new hexanuclear iron(III) complexes with S _A = 5 ground states. Dalton Transactions RSC, 2002, , 4005-4010. | 2.3 | 36 |
| 62 | Insights into the Schrock \hat{I}_{\pm} chop-chop™ reaction gained from density functional theory and preparation and structure of W ₂ (\hat{I}_{\pm} -PhCCPh)(SC ₆ H ₄ -2-Me) ₆ . Chemical Communications, 2002, , 2770-2771. | 2.2 | 7 |
| 63 | New time-independent perturbation theory for the multireference problem. International Journal of Quantum Chemistry, 2002, 86, 256-264. | 1.0 | 24 |
| 64 | The effect of the basis set superposition error on the geometry optimization of the p-DFB \hat{I}_{\pm} N ₂ complex. Chemical Physics Letters, 2002, 360, 99-103. | 1.2 | 14 |
| 65 | Ab initio Compton maps of small molecules. Molecular Physics, 2001, 99, 175-186. | 0.8 | 7 |
| 66 | Local spin. Journal of Chemical Physics, 2001, 115, 7382-7392. | 1.2 | 165 |
| 67 | Structure of the exact wave function. II. Iterative configuration interaction method. Journal of Chemical Physics, 2001, 115, 2000-2006. | 1.2 | 59 |
| 68 | A Comparison of the Influences of Alkoxide and Thiolate Ligands on the Electronic Structure and Reactivity of Molybdenum(3+) and Tungsten(3+) Complexes. Preparation and Structures of | | |

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| 73 | Theoretical study of the photoelectron spectra of gaseous Cu ₃ Cl ₃ . <i>Molecular Physics</i> , 2001, 99, 1329-1334. | 0.8 | 10 |
| 74 | Use of the dicarboxylate ligand m-phenylenedipropionate for the synthesis of new Mn/O clusters. Synthesis, characterization and magnetic properties. <i>Polyhedron</i> , 2001, 20, 1375-1380. | 1.0 | 23 |
| 75 | Ab initio calculations on XF _n q (X = I, Xe, Cs, and Ba; n=1, 2, 4, and 6; q=?1, 0, +1, and +2) molecules. <i>International Journal of Quantum Chemistry</i> , 2001, 81, 238-245. | 1.0 | 2 |
| 76 | A density functional method for degenerate spin-multiplet components. <i>Chemical Physics Letters</i> , 2001, 340, 142-150. | 1.2 | 28 |
| 77 | The Cope rearrangement in theoretical retrospect. <i>Computational and Theoretical Chemistry</i> , 2001, 573, 81-89. | 1.5 | 55 |
| 78 | Kinetic and potential energy of isoelectronic atomic ions from density functional theory compared with exact values. <i>Molecular Physics</i> , 2000, 98, 1089-1097. | 0.8 | 12 |
| 79 | Theoretical investigation of electronic structure and ESR hyperfine parameters for the CuH ⁺ molecule. <i>International Journal of Quantum Chemistry</i> , 2000, 77, 291-300. | 1.0 | 30 |
| 80 | Electron distributions in radicals. <i>International Journal of Quantum Chemistry</i> , 2000, 77, 316-323. | 1.0 | 20 |
| 81 | Charge densities for singlet and triplet electron pairs. <i>International Journal of Quantum Chemistry</i> , 2000, 77, 651-660. | 1.0 | 27 |
| 82 | Enhanced second-order treatment of electron pair correlation. <i>International Journal of Quantum Chemistry</i> , 2000, 78, 226-236. | 1.0 | 21 |
| 83 | Distribution of effectively unpaired electrons. <i>Chemical Physics Letters</i> , 2000, 330, 161-168. | 1.2 | 197 |
| 84 | A third isolated oxidation state for the Mn ₁₂ family of single-molecule magnets. <i>Chemical Communications</i> , 2000, , 2417-2418. | 2.2 | 92 |
| 85 | Dimolybdenum Bis((S,S,S)-triisopropanolaminato(3-)): A Blue Compound with an Unusual Mo-Mo Triple Bond. <i>Inorganic Chemistry</i> , 2000, 39, 3544-3550. | 1.9 | 9 |
| 86 | Facile and Reversible Cleavage of C-F Bonds. Contrasting Thermodynamic Selectivity for RuCF ₂ H vs FOsCFH. <i>Journal of the American Chemical Society</i> , 2000, 122, 8916-8931. | 6.6 | 99 |
| 87 | Coordinated carbenes from electron-rich olefins on RuHCl(PPr ₃) ₂ . <i>New Journal of Chemistry</i> , 2000, 24, 9-26. | 1.4 | 87 |
| 88 | Diradical Character of the Cope Rearrangement Transition State. <i>Journal of the American Chemical Society</i> , 2000, 122, 186-187. | 6.6 | 121 |
| 89 | Fate of CH ₂ CH(E) (E = H, OMe) in the Presence of Unsaturated Ru(X)(H)L ₂ q+ (X = Cl, q= 0; X = CO, q= 1): Highly Sensitive to X and E. <i>Organometallics</i> , 2000, 19, 2291-2298. | 1.1 | 17 |
| 90 | Transition Regions in the Cope Rearrangement of 1,5-Hexadiene and Its Cyano Derivatives. <i>Journal of the American Chemical Society</i> , 2000, 122, 7377-7385. | 6.6 | 80 |

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| 91 | Is the Hydrogen Bond in Water Dimer and Ice Covalent?. Journal of the American Chemical Society, 2000, 122, 1210-1214. | 6.6 | 174 |
| 92 | Charge densities for singlet and triplet electron pairs. , 2000, 77, 651. | | 1 |
| 93 | MULTI-REFERENCE PERTURBATION THEORY. Recent Advances in Computational, 1999, , 31-63. | 0.8 | 16 |
| 94 | Electron spin resonance studies of $^{45}\text{Sc}^{17}\text{O}$, $^{89}\text{Y}^{17}\text{O}$, and $^{139}\text{La}^{17}\text{O}$ in rare gas matrices: Comparison with ab initio electronic structure and nuclear hyperfine calculations. Journal of Chemical Physics, 1999, 110, 5658-5669. | 1.2 | 40 |
| 95 | Orbital momentum profiles and binding energy spectra for the complete valence shell of propane. Journal of Chemical Physics, 1999, 111, 9526-9535. | 1.2 | 28 |
| 96 | Electron spin resonance and theoretical studies of the $^{14}\text{N}^{\bullet}$ and $^{15}\text{N}^{\bullet}$ spin-pair radicals in neon matrices: The effects of mixing among the $1^1\Sigma_g^+$, $3^1\Sigma_u^+$, $5^1\Sigma_g^+$, and $7^1\Sigma_u^+$ electronic states. Journal of Chemical Physics, 1999, 111, 3145-3154. | 1.2 | 17 |
| 97 | Reassignment of the AlSi σ^* photoelectron spectrum by ab initio configuration interaction calculations. Molecular Physics, 1999, 96, 735-740. | 0.8 | 3 |
| 98 | Density functional theory calculations for F_2^{\bullet} . Chemical Physics Letters, 1999, 300, 44-52. | 1.2 | 41 |
| 99 | Scaled quantum mechanical study of vibrational force field for p-difluorobenzene and p-fluorotoluene. International Journal of Quantum Chemistry, 1999, 72, 249-260. | 1.0 | 9 |
| 100 | Thermal Rearrangements of Norcaradiene. Journal of the American Chemical Society, 1999, 121, 6928-6935. | 6.6 | 59 |
| 101 | Electronic Structure and Low-Lying Electronic States of Al_3O and Al_3O^- : Photoelectron Spectrum of Al_3O^- . Journal of Physical Chemistry A, 1999, 103, 2867-2872. | 1.1 | 28 |
| 102 | Theoretical Interpretation of the Photoelectron Spectra of Al_3O_2^- and Al_3O_3^- . Journal of Physical Chemistry A, 1999, 103, 8985-8993. | 1.1 | 35 |
| 103 | [2.2.2]propellane rearrangements. Chemical Physics Letters, 1998, 284, 301-307. | 1.2 | 21 |
| 104 | Zero point corrections to vertical excitation energies. Chemical Physics Letters, 1998, 285, 155-159. | 1.2 | 64 |
| 105 | The reduced model space method in multireference second-order perturbation theory. Chemical Physics Letters, 1998, 296, 435-444. | 1.2 | 34 |
| 106 | How robust is present-day DFT?. International Journal of Quantum Chemistry, 1998, 69, 241-245. | 1.0 | 72 |
| 107 | Does Unrestricted Møller-Plesset Perturbation Theory for Low Spin Converge When the System Has a Triplet Ground State?. Journal of Physical Chemistry A, 1998, 102, 4742-4746. | 1.1 | 24 |
| 108 | Carbene Complexes from Olefins, Using $\text{RuHCl}(\text{P}(\text{Pr}_3)_2)_2$. Influence of the Olefin Substituent. Journal of the American Chemical Society, 1998, 120, 9388-9389. | 6.6 | 49 |

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| 109 | Theoretical and electron spin resonance studies of the H ⁺ H, H ⁺ D, and D ⁺ D spin-pair radicals in rare gas matrices: A case of extreme singlet-triplet mixing. <i>Journal of Chemical Physics</i> , 1998, 109, 1409-1424. | 1.2 | 38 |
| 110 | Ground-state energies of isoelectronic atomic series from density-functional theory: Exploring the accuracy of density functionals. <i>Physical Review A</i> , 1998, 58, 1902-1909. | 1.0 | 26 |
| 111 | Density functional calculations for Mg ⁿ⁺ clusters. <i>Journal of Chemical Physics</i> , 1997, 106, 2331-2341. | 1.2 | 24 |
| 112 | Electron momentum spectroscopy of H ₂ and D ₂ : Ionization to ground and excited final states. <i>Physical Review A</i> , 1997, 56, 1393-1402. | 1.0 | 27 |
| 113 | Correlation states of propene. <i>Journal of Chemical Physics</i> , 1997, 107, 4295-4306. | 1.2 | 13 |
| 114 | Electron spin resonance matrix isolation studies of ²⁷ Al ^{16,17} O, ^{69,71} Ga ^{16,17} O and ¹¹⁵ In ^{16,17} O: Observed hyperfine interactions compared with ab initio theoretical results. <i>Journal of Chemical Physics</i> , 1997, 107, 7011-7019. | 1.2 | 37 |
| 115 | Calculational Evidence for Lack of Intermediates in the Thermal Unimolecular Vinylcyclopropane to Cyclopentene 1,3-Sigmatropic Shift. <i>Journal of the American Chemical Society</i> , 1997, 119, 10543-10544. | 6.6 | 62 |
| 116 | Could 2.2.2-Propellatriene Exist?. <i>Journal of the American Chemical Society</i> , 1997, 119, 1449-1449. | 6.6 | 7 |
| 117 | The ground state of ethylene. <i>Computational and Theoretical Chemistry</i> , 1997, 400, 169-176. | 1.5 | 6 |
| 118 | Evaluation of a characteristic atomic radius by an ab initio method. <i>International Journal of Quantum Chemistry</i> , 1997, 62, 47-53. | 1.0 | 69 |
| 119 | Evaluation of a characteristic atomic radius by an ab initio method. , 1997, 62, 47. | | 1 |
| 120 | The Importance of Including Dynamic Electron Correlation in ab Initio Calculations. <i>Accounts of Chemical Research</i> , 1996, 29, 67-75. | 7.6 | 240 |
| 121 | Electron momentum spectroscopy experiments and calculations for the production of excited states of He ⁺ and. <i>Canadian Journal of Physics</i> , 1996, 74, 748-756. | 0.4 | 20 |
| 122 | Electron spin resonance matrix isolation and ab initio theoretical investigations of ^{69,71} GaH ₂ , ^{69,71} GaD ₂ , H ^{69,71} GaCH ₃ , and D ^{69,71} GaCD ₃ . <i>Journal of Chemical Physics</i> , 1996, 105, 6607-6615. | 1.2 | 39 |
| 123 | Ab initio Calculations on Excited Molecular Ions of Ethylene and Acetylene. <i>Australian Journal of Physics</i> , 1996, 49, 247. | 0.6 | 8 |
| 124 | Comment on "Comment on Dunning's correlation-consistent basis sets". <i>Chemical Physics Letters</i> , 1996, 260, 514-518. | 1.2 | 375 |
| 125 | Refinement of the Asymptotic Z Expansion for the Ground-State Correlation Energies of Atomic Ions. <i>The Journal of Physical Chemistry</i> , 1996, 100, 6167-6172. | 2.9 | 110 |
| 126 | An electron spin resonance investigation of vanadium dioxide (⁵¹ V ¹⁶ O ₂ and ⁵¹ V ¹⁷ O ₂) and ⁵¹ V ¹⁷ O in neon matrices with preliminary assignments for VO ₃ and V ²⁺ : Comparison with ab initio theoretical calculations. <i>Journal of Chemical Physics</i> , 1996, 105, 10237-10250. | 1.2 | 63 |

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| 127 | The Spatial Extent of the V State of Ethylene and Its Relation to Dynamic Correlation in the Cope Rearrangement. <i>The Journal of Physical Chemistry</i> , 1996, 100, 6161-6166. | 2.9 | 60 |
| 128 | Reply to comment on "A possible definition of basis set superposition error". <i>Chemical Physics Letters</i> , 1995, 241, 146-148. | 1.2 | 12 |
| 129 | N-representability of the electron pair density. <i>Chemical Physics Letters</i> , 1995, 246, 209-213. | 1.2 | 67 |
| 130 | One-electron properties of molecules calculated using second-order multireference perturbation theory. <i>International Journal of Quantum Chemistry</i> , 1995, 53, 149-160. | 1.0 | 13 |
| 131 | On electron correlation in NaCl ₂ . <i>International Journal of Quantum Chemistry</i> , 1995, 54, 299-304. | 1.0 | 17 |
| 132 | Study of correlation states of acetylene by synchrotron photoelectron spectroscopy. <i>Journal of Chemical Physics</i> , 1995, 103, 10537-10547. | 1.2 | 27 |
| 133 | ESR observation of the H ₂ , H ₂ D, and D ₂ spin-pair radicals in rare gas matrices. <i>Journal of Chemical Physics</i> , 1995, 103, 5275-5278. | 1.2 | 13 |
| 134 | Theoretical study of the adsorption of carbon monoxide on a NaCl (100) surface. <i>Surface Science</i> , 1995, 322, 342-360. | 0.8 | 21 |
| 135 | N ₂ activation by iron-sulfur complexes. <i>Theoretica Chimica Acta</i> , 1995, 92, 315-326. | 0.9 | 15 |
| 136 | The Cope Rearrangement Revisited with Multireference Perturbation Theory. <i>Journal of the American Chemical Society</i> , 1995, 117, 774-778. | 6.6 | 109 |
| 137 | Theory and Mechanism of the Allylidene-cyclopropane-to-Methylenecyclopentene Thermal Isomerization. <i>Journal of the American Chemical Society</i> , 1995, 117, 8495-8501. | 6.6 | 31 |
| 138 | Correlation states of ethylene. <i>Journal of Chemical Physics</i> , 1995, 102, 6385-6399. | 1.2 | 45 |
| 139 | High-resolution zero kinetic energy photoelectron spectra of para-propylaniline. <i>Journal of Chemical Physics</i> , 1994, 100, 5411-5421. | 1.2 | 21 |
| 140 | Electron spin resonance investigation of small magnesium cluster cation radicals, Mg _n ⁺ , in neon and argon matrices at 4 K: Comparison with ab initio calculations. <i>Journal of Chemical Physics</i> , 1994, 100, 7867-7874. | 1.2 | 25 |
| 141 | A possible definition of basis set superposition error. <i>Chemical Physics Letters</i> , 1994, 217, 48-54. | 1.2 | 123 |
| 142 | Considerations in constructing a multireference second-order perturbation theory. <i>Journal of Chemical Physics</i> , 1994, 100, 3672-3682. | 1.2 | 181 |
| 143 | Configuration Interaction Wave Functions. <i>NATO ASI Series Series B: Physics</i> , 1994, , 105-131. | 0.2 | 4 |
| 144 | Comparison of ab initio and multipole determinations of the electrostatic interaction of acetamide dimers. <i>Computational and Theoretical Chemistry</i> , 1993, 282, 19-31. | 1.5 | 9 |

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| 145 | Ground-state correlation energies for atomic ions with 3 to 18 electrons. <i>Physical Review A</i> , 1993, 47, 3649-3670. | 1.0 | 488 |
| 146 | Some Perspectives on Quantum Calculations. <i>Israel Journal of Chemistry</i> , 1993, 33, 243-252. | 1.0 | 10 |
| 147 | The transition metal-carbonyl bond. <i>Accounts of Chemical Research</i> , 1993, 26, 628-635. | 7.6 | 118 |
| 148 | The water dimer: correlation energy calculations. <i>The Journal of Physical Chemistry</i> , 1993, 97, 6373-6383. | 2.9 | 86 |
| 149 | Binding energy of chromium hexacarbonyl. 2. Revisited with correlation effects. <i>The Journal of Physical Chemistry</i> , 1993, 97, 4397-4403. | 2.9 | 24 |
| 150 | Vibrations of S1 (1B2u) p-difluorobenzene-d4 S1-S0 fluorescence spectroscopy and ab initio calculations. <i>The Journal of Physical Chemistry</i> , 1993, 97, 5506-5518. | 2.9 | 23 |
| 151 | Alkali-metal dihalide molecules: electronic spectrum. <i>The Journal of Physical Chemistry</i> , 1993, 97, 5882-5885. | 2.9 | 6 |
| 152 | Electron correlation contribution to the hydrogen bond in hydrogen fluoride dimer. <i>The Journal of Physical Chemistry</i> , 1993, 97, 6367-6372. | 2.9 | 52 |
| 153 | Zero kinetic energy photoelectron spectra of jet-cooled aniline. <i>Journal of Chemical Physics</i> , 1993, 99, 3224-3233. | 1.2 | 103 |
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