

Gregory S Tschumper

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4278871/publications.pdf>

Version: 2024-02-01

115
papers

4,417
citations

117453

34
h-index

110170

64
g-index

121
all docs

121
docs citations

121
times ranked

4081
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Characterization of Competing Halogen- and Hydrogen-Bonding Motifs in Simple Mixed Dimers of HCN and HX (X = F, Cl, Br, and I). <i>Journal of Physical Chemistry A</i> , 2022, 126, 3688-3695. | 1.1 | 7 |
| 2 | Probing the Effects of Electron Deficient Aryl Substituents and a β -System Extended NHC Ring on the Photocatalytic CO_2 Reduction Reaction with $\text{Re}(\text{pyNHC})\text{Aryl}$ Complexes**. <i>ChemPhotoChem</i> , 2021, 5, 353-361. | 1.5 | 4 |
| 3 | Anharmonic vibrational frequencies of ammonia borane (BH_3NH_3). <i>Journal of Chemical Physics</i> , 2021, 154, 041104. | 1.2 | 15 |
| 4 | Torsional Profiles of Thiophene and Furan Oligomers: Probing the Effects of Heterogeneity and Chain Length. <i>Journal of Physical Chemistry A</i> , 2021, 125, 6228-6237. | 1.1 | 10 |
| 5 | Relative energetics of $\text{CH}_3\text{CH}_2\text{O}$, CH_3CHOH , and $\text{CH}_2\text{CH}_2\text{OH}$ radical products from ethanol dehydrogenation. <i>Journal of Chemical Physics</i> , 2021, 155, 114306. | 1.2 | 1 |
| 6 | Solvation of Isolelectronic Halide and Alkali Metal Ions by Argon Atoms. <i>Journal of Physical Chemistry A</i> , 2021, 125, 10524-10531. | 1.1 | 2 |
| 7 | Frontispiz: Observation of the Low-Frequency Spectrum of the Water Trimer as a Sensitive Test of the Water-Trimer Potential and the Dipole-Moment Surface. <i>Angewandte Chemie</i> , 2020, 132, . | 1.6 | 0 |
| 8 | Competition between Solvent-Solvent and Solvent-Solute Interactions in the Microhydration of the Hexafluorophosphate Anion, $\text{PF}_6^-(\text{H}_2\text{O})_{n=1,2}$. <i>Journal of Physical Chemistry A</i> , 2020, 124, 8744-8752. | 1.1 | 2 |
| 9 | Observation of the Low-Frequency Spectrum of the Water Trimer as a Sensitive Test of the Water-Trimer Potential and the Dipole-Moment Surface. <i>Angewandte Chemie</i> , 2020, 132, 11496-11504. | 1.6 | 0 |
| 10 | Anchoring the hydrogen sulfide dimer potential energy surface to juxtapose $(\text{H}_2\text{S})_2$ with $(\text{H}_2\text{O})_2$. <i>Journal of Chemical Physics</i> , 2020, 152, 214306. | 1.2 | 9 |
| 11 | Dissociation energy of the $\text{HCN}\cdots\text{HF}$ dimer. <i>Chemical Physics Letters</i> , 2020, 748, 137382. | 1.2 | 6 |
| 12 | Frontispiece: Observation of the Low-Frequency Spectrum of the Water Trimer as a Sensitive Test of the Water-Trimer Potential and the Dipole-Moment Surface. <i>Angewandte Chemie - International Edition</i> , 2020, 59, . | 7.2 | 0 |
| 13 | Observation of the Low-Frequency Spectrum of the Water Trimer as a Sensitive Test of the Water-Trimer Potential and the Dipole-Moment Surface. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11399-11407. | 7.2 | 16 |
| 14 | Effect of σ -X-Ligands on the Photocatalytic Reduction of CO_2 to CO with $\text{Re}(\text{pyridylNHC})\text{CF}_3\text{X}$ Complexes. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 1844-1851. | 1.0 | 13 |
| 15 | Cis/Trans Energetics in Epoxide, Thiirane, Aziridine and Phosphirane Containing Cyclopentanols: Effects of Intramolecular $\text{OH}\cdots\text{O}$, S, N and P Contacts. <i>Molecules</i> , 2019, 24, 2523. | 1.7 | 2 |
| 16 | Co-Localization of DNA i-Motif-Forming Sequences and 5-Hydroxymethyl-cytosines in Human Embryonic Stem Cells. <i>Molecules</i> , 2019, 24, 3619. | 1.7 | 3 |
| 17 | Characterization of Furan- and Thiophene-Containing Bispyridyl Oligomers via Spectroscopic, Electrochemical, and TD-DFT Methods. <i>Journal of Physical Chemistry C</i> , 2019, 123, 15176-15185. | 1.5 | 11 |
| 18 | Probing non-covalent interactions driving molecular assembly in organo-electronic building blocks. <i>CrystEngComm</i> , 2019, 21, 3151-3157. | 1.3 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Computational Investigation on Electronic Structures and Properties of 4,6-Bis(nitroimino)-1,3,5-triazinan-2-one: An Insensitive Munition Compound. <i>Journal of Physical Chemistry A</i> , 2019, 123, 3504-3509. | 1.1 | 4 |
| 20 | A Raman Spectroscopic and Computational Study of New Aromatic Pyrimidine-Based Halogen Bond Acceptors. <i>Inorganics</i> , 2019, 7, 119. | 1.2 | 6 |
| 21 | Examination of the structures, energetics, and vibrational frequencies of small sulfur-containing prototypical dimers, (H ₂ S) ₂ and H ₂ O/H ₂ S. <i>Journal of Computational Chemistry</i> , 2019, 40, 229-236. | 1.5 | 16 |
| 22 | 2-body:Many-body QM:QM study of structures, energetics, and vibrational frequencies for microhydrated halide ions. <i>Molecular Physics</i> , 2019, 117, 1413-1420. | 0.8 | 7 |
| 23 | Intramolecular Hydrogen Bonding in β -Epoxy Alcohols: A Conformational Analysis of 1,2-Dialkyl-2,3-epoxycyclopentanol Diastereomers. <i>Chemistry Letters</i> , 2018, 47, 156-159. | 0.7 | 4 |
| 24 | Dissociation Energy of the H ₂ O \cdots H \cdots HF Dimer. <i>Journal of Physical Chemistry A</i> , 2018, 122, 4902-4908. | 1.1 | 12 |
| 25 | Hydrogen bonding in the mixed HF/HCl dimer: Is it better to give or receive?. <i>Journal of Computational Chemistry</i> , 2018, 39, 839-843. | 1.5 | 10 |
| 26 | Systematic Experimental and Computational Studies of Substitution and Hybridization Effects in Solid-State Halogen Bonded Assemblies. <i>Crystal Growth and Design</i> , 2018, 18, 3244-3254. | 1.4 | 20 |
| 27 | Binding of the atomic cations hydrogen through argon to water and hydrogen sulfide. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 25967-25973. | 1.3 | 12 |
| 28 | Communication: Gas phase vibrational spectroscopy of the azide-water complex. <i>Journal of Chemical Physics</i> , 2018, 149, 191101. | 1.2 | 5 |
| 29 | A Robust Pyridyl-NHC-Ligated Rhenium Photocatalyst for CO ₂ Reduction in the Presence of Water and Oxygen. <i>Inorganics</i> , 2018, 6, 22. | 1.2 | 18 |
| 30 | Energetics and Vibrational Signatures of Nucleobase Argyrophilic Interactions. <i>ACS Omega</i> , 2018, 3, 12936-12943. | 1.6 | 4 |
| 31 | Intermolecular Interactions and Vibrational Perturbations within Mixtures of 1-Ethyl-3-methylimidazolium Thiocyanate and Water. <i>Journal of Physical Chemistry C</i> , 2018, 122, 27673-27680. | 1.5 | 12 |
| 32 | Quantifying the Effects of Halogen Bonding by Haloaromatic Donors on the Acceptor Pyrimidine. <i>ChemPhysChem</i> , 2017, 18, 1267-1273. | 1.0 | 16 |
| 33 | Probing Dative and Dihydrogen Bonding in Ammonia Borane with Electronic Structure Computations and Raman under Nitrogen Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2017, 121, 5884-5893. | 1.1 | 22 |
| 34 | Dissociation in Binary Acid/Base Clusters: An Examination of Inconsistencies Introduced Into the Many-Body Expansion by Na ^{-ve} Fragmentation Schemes. <i>Annual Reports in Computational Chemistry</i> , 2017, , 93-115. | 0.9 | 3 |
| 35 | Big Changes for Small Noncovalent Dimers: Revisiting the Potential Energy Surfaces of (P ₂) ₂ and (PCCP) ₂ with CCSD(T) Optimizations and Vibrational Frequencies. <i>Journal of Chemical Theory and Computation</i> , 2016, 12, 1534-1541. | 2.3 | 3 |
| 36 | Competition between Hydrophilic and Argyrophilic Interactions in Surface Enhanced Raman Spectroscopy. <i>ChemPhysChem</i> , 2016, 17, 2782-2786. | 1.0 | 14 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Elucidating the Effects of Fluoro and Nitro Substituents on Halogen Bond Driven Assemblies of Pyridyl-Capped π -Conjugated Molecules. <i>Crystal Growth and Design</i> , 2016, 16, 6648-6653. | 1.4 | 25 |
| 38 | A Computational and Experimental Study of Thieno[3,4- <i>b</i>]thiophene as a Proaromatic π -Bridge in Dye-Sensitized Solar Cells. <i>Chemistry - A European Journal</i> , 2016, 22, 694-703. | 1.7 | 34 |
| 39 | The onset of electron-induced proton-transfer in hydrated azabenzene cluster anions. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 704-712. | 1.3 | 14 |
| 40 | Assessing the accuracy of some popular DFT methods for computing harmonic vibrational frequencies of water clusters. <i>Journal of Chemical Physics</i> , 2015, 143, 214103. | 1.2 | 49 |
| 41 | Water network-mediated, electron-induced proton transfer in $[C_5H_5N \cdots (H_2O)_n]^+$ clusters. <i>Journal of Chemical Physics</i> , 2015, 143, 144305. | 1.2 | 8 |
| 42 | Benchmark Structures and Harmonic Vibrational Frequencies Near the CCSD(T) Complete Basis Set Limit for Small Water Clusters: $(H_2O)_n$, $n = 2, 3, 4, 5, 6$. <i>Journal of Chemical Theory and Computation</i> , 2015, 11, 2126-2136. | 2.3 | 63 |
| 43 | Boyd Group Electronegativity Influence on the Parr Global Electrophilicity of Vilsmeier-Derived Imidates: New Insights toward Improving Mitsunobu Chemistry. <i>Helvetica Chimica Acta</i> , 2015, 98, 582-588. | 1.0 | 0 |
| 44 | Synergistic effects of halogen bond and π - π interactions in thiophene-based building blocks. <i>RSC Advances</i> , 2015, 5, 82544-82548. | 1.7 | 13 |
| 45 | Anchoring the potential energy surface of an important atmospheric van der Waals dimer, the $H_2O \cdots O_2$ complex. <i>Computational and Theoretical Chemistry</i> , 2015, 1072, 21-27. | 1.1 | 6 |
| 46 | Indoline-Based Donors as Organic Sensitizer Components for Dye-Sensitized Solar Cells. <i>Advanced Energy Materials</i> , 2015, 5, 1401629. | 10.2 | 71 |
| 47 | Characterization of the potential energy surfaces of two small but challenging noncovalent dimers: $(P_2)_2$ and $(PCCP)_2$. <i>Journal of Computational Chemistry</i> , 2014, 35, 479-487. | 1.5 | 2 |
| 48 | Getting down to the Fundamentals of Hydrogen Bonding: Anharmonic Vibrational Frequencies of $(HF)_2$ and $(H_2O)_2$ from Ab Initio Electronic Structure Computations. <i>Journal of Chemical Theory and Computation</i> , 2014, 10, 5426-5435. | 2.3 | 63 |
| 49 | Characterizing the Bi- π -P Stretching Vibration in Phosphorus-Substituted Phosphine Boranes. <i>ChemPhysChem</i> , 2014, 15, 1867-1871. | 1.0 | 5 |
| 50 | Wavefunction methods for the accurate characterization of water clusters. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , 2014, 4, 199-224. | 6.2 | 43 |
| 51 | Epigenetic Modification, Dehydration, and Molecular Crowding Effects on the Thermodynamics of i-Motif Structure Formation from C-Rich DNA. <i>Biochemistry</i> , 2014, 53, 1586-1594. | 1.2 | 109 |
| 52 | Photoelectron Spectroscopic and Computational Study of Hydrated Pyrimidine Anions. <i>Journal of Physical Chemistry A</i> , 2014, 118, 11901-11907. | 1.1 | 12 |
| 53 | Homogeneous and Heterogeneous Noncovalent Dimers of Formaldehyde and Thioformaldehyde: Structures, Energetics, and Vibrational Frequencies. <i>Journal of Physical Chemistry A</i> , 2014, 118, 3376-3385. | 1.1 | 24 |
| 54 | Peptide Bond Formation via Glycine Condensation in the Gas Phase. <i>Journal of Physical Chemistry B</i> , 2014, 118, 8583-8590. | 1.2 | 17 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Anchoring the potential energy surface of the nitrogen/water dimer, N ₂ ⋅H ₂ O, with explicitly correlated coupled-cluster computations. <i>Computational and Theoretical Chemistry</i> , 2013, 1021, 109-113. | 1.1 | 11 |
| 56 | Examination of Tyrosine/Adenine Stacking Interactions in Protein Complexes. <i>Journal of Physical Chemistry B</i> , 2013, 117, 14001-14008. | 1.2 | 25 |
| 57 | Charge Transfer and Blue Shifting of Vibrational Frequencies in a Hydrogen Bond Acceptor. <i>Journal of Physical Chemistry A</i> , 2013, 117, 5435-5446. | 1.1 | 46 |
| 58 | Many-body QM:QM vibrational frequencies: Application to small hydrogen-bonded clusters. <i>Journal of Chemical Physics</i> , 2013, 139, 184113. | 1.2 | 42 |
| 59 | Basis set dependence of higher-order correlation effects in π -type interactions. <i>Journal of Chemical Physics</i> , 2012, 136, 014103. | 1.2 | 27 |
| 60 | Hydrocarbon/Water Interactions: Encouraging Energetics and Structures from DFT but Disconcerting Discrepancies for Hessian Indices. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 1646-1656. | 2.3 | 47 |
| 61 | Effects of Heterogeneity in Small π -Type Dimers: Homogeneous and Mixed Dimers of Diacetylene and Cyanogen. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 4279-4284. | 2.3 | 5 |
| 62 | Vibrational Spectroscopy of N-Methyliminodiacetic Acid (MIDA)-Protected Boronate Ester: Examination of the B=N Dative Bond. <i>Journal of Physical Chemistry A</i> , 2011, 115, 6426-6431. | 1.1 | 16 |
| 63 | Interstaple Dithiol Cross-Linking in Au ₂₅ (SR) ₁₈ Nanomolecules: A Combined Mass Spectrometric and Computational Study. <i>Journal of the American Chemical Society</i> , 2011, 133, 20258-20266. | 6.6 | 79 |
| 64 | Accurate Interaction Energies for Problematic Dispersion-Bound Complexes: Homogeneous Dimers of NCCN, P ₂ , and PCCP. <i>Journal of Chemical Theory and Computation</i> , 2011, 7, 2842-2851. | 2.3 | 46 |
| 65 | Efficient and Accurate Methods for the Geometry Optimization of Water Clusters: Application of Analytic Gradients for the Two-Body:Many-Body QM:QM Fragmentation Method to (H ₂ O) _n , $n = 3-10$. <i>Journal of Chemical Theory and Computation</i> , 2011, 7, 2753-2760. | 2.3 | 53 |
| 66 | Spectroscopic and computational insight into weak noncovalent interactions in crystalline pyrimidine. <i>Chemical Physics Letters</i> , 2011, 501, 319-323. | 1.2 | 22 |
| 67 | Structures, Energetics and Vibrational Frequency Shifts of Hydrated Pyrimidine. <i>ChemPhysChem</i> , 2011, 12, 3262-3273. | 1.0 | 14 |
| 68 | Development of a 3-body:many-body integrated fragmentation method for weakly bound clusters and application to water clusters (H ₂ O) _n , $n = 3-10$, 16, 17. <i>Journal of Chemical Physics</i> , 2011, 135, 044123. | 1.2 | 68 |
| 69 | Raman and SERS Spectroscopy of N-Methyliminodiacetic Acid (MIDA)-Protected Boronate Esters. , 2010, , . | | 1 |
| 70 | Raman Spectroscopic Investigations of Noncovalent Interactions between Pyrimidine and Hydrogen Bonded Networks. , 2010, , . | | 0 |
| 71 | Effects of Hydrogen Bonding on Vibrational Normal Modes of Pyrimidine. <i>Journal of Physical Chemistry A</i> , 2010, 114, 6803-6810. | 1.1 | 49 |
| 72 | Comparison of polarization consistent and correlation consistent basis sets for noncovalent interactions. <i>International Journal of Quantum Chemistry</i> , 2009, 109, 91-96. | 1.0 | 17 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | CCSD(T) Complete Basis Set Limit Relative Energies for Low-Lying Water Hexamer Structures. <i>Journal of Physical Chemistry A</i> , 2009, 113, 3555-3559. | 1.1 | 188 |
| 74 | Anchoring the potential energy surface of the diacetylene dimer. <i>Molecular Physics</i> , 2009, 107, 923-928. | 0.8 | 7 |
| 75 | Probing the effects of heterogeneity on delocalized π - π interaction energies. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 2775. | 1.3 | 25 |
| 76 | Probing Phenylalanine/Adenine π -Stacking Interactions in Protein Complexes with Explicitly Correlated and CCSD(T) Computations. <i>Journal of Physical Chemistry B</i> , 2008, 112, 14291-14295. | 1.2 | 46 |
| 77 | Reliable structures and energetics for two new delocalized π - π prototypes: cyanogen dimer and diacetylene dimer. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 1550-1558. | 1.3 | 11 |
| 78 | Analytic gradients for the multicentred integrated QM:QM method for weakly bound clusters: efficient and accurate 2-body:many-body geometry optimizations. <i>Molecular Physics</i> , 2007, 105, 2777-2782. | 0.8 | 32 |
| 79 | Intrinsic conformational preferences of and an anomeric-like effect in 1-substituted silacyclohexanes. <i>International Journal of Quantum Chemistry</i> , 2007, 107, 2261-2265. | 1.0 | 37 |
| 80 | Characterizing the Potential Energy Surface of the Water Dimer with DFT: Failures of Some Popular Functionals for Hydrogen Bonding. <i>Journal of Physical Chemistry A</i> , 2006, 110, 7268-7271. | 1.1 | 48 |
| 81 | Reliable Electron Affinities of Perfluorocyclopropane and Perfluorocyclobutane from Convergent ab Initio Computations. <i>Journal of Physical Chemistry A</i> , 2006, 110, 1975-1977. | 1.1 | 7 |
| 82 | Energetics of Oxaspirocycle Prototypes: 1,7-Dioxaspiro[5.5]undecane and 1,7,9-Trioxadispiro[5.1.5.3]hexadecane. <i>Journal of Organic Chemistry</i> , 2006, 71, 9212-9216. | 1.7 | 7 |
| 83 | Multicentered integrated QM:QM methods for weakly bound clusters: An efficient and accurate 2-body:many-body treatment of hydrogen bonding and van der Waals interactions. <i>Chemical Physics Letters</i> , 2006, 427, 185-191. | 1.2 | 64 |
| 84 | A systematic assessment of density functionals and ONIOM schemes for the study of hydrogen bonding between water and the side chains of serine, threonine, asparagine, and glutamine. <i>Computational and Theoretical Chemistry</i> , 2006, 771, 65-71. | 1.5 | 9 |
| 85 | Integrated quantum mechanical approaches for extended π systems: Multicentered QM/QM studies of the cyanogen and diacetylene trimers. <i>Chemical Physics Letters</i> , 2005, 407, 362-367. | 1.2 | 39 |
| 86 | Multicentred QM/QM methods for overlapping model systems. <i>Molecular Physics</i> , 2005, 103, 309-315. | 0.8 | 41 |
| 87 | Computational and ESR Studies of Electron Attachment to Decafluorocyclopentane, Octafluorocyclobutane, and Hexafluorocyclopropane: Electron Affinities of the Molecules and the Structures of Their Stable Negative Ions as Determined from ^{13}C and ^{19}F Hyperfine Coupling Constants. <i>Journal of the American Chemical Society</i> , 2005, 127, 10573-10583. | 6.6 | 18 |
| 88 | Intrinsic Conformational Preferences of Substituted Cyclohexanes and Tetrahydropyrans Evaluated at the CCSD(T) Complete Basis Set Limit: Implications for the Anomeric Effect. <i>Journal of Physical Chemistry A</i> , 2005, 109, 11073-11079. | 1.1 | 58 |
| 89 | Anchoring the potential energy surface of the cyclic water trimer. <i>Journal of Chemical Physics</i> , 2004, 121, 11023. | 1.2 | 68 |
| 90 | Extending the ONIOM integrated MO/MO approach to hydrogen bonding in biologic systems: Serine-water and threonine-water dimers. <i>International Journal of Quantum Chemistry</i> , 2004, 96, 294-302. | 1.0 | 8 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 91 | Real versus artifactual symmetry-breaking effects in Hartree-Fock, density-functional, and coupled-cluster methods. <i>Journal of Chemical Physics</i> , 2004, 120, 7298-7306. | 1.2 | 68 |
| 92 | Ab Initio Studies of π - π Interactions: The Effects of Quadruple Excitations. <i>Journal of Physical Chemistry A</i> , 2004, 108, 2941-2948. | 1.1 | 84 |
| 93 | A multicentered approach to integrated QM/QM calculations. Applications to multiply hydrogen bonded systems. <i>Journal of Computational Chemistry</i> , 2003, 24, 1563-1568. | 1.5 | 61 |
| 94 | Concerning the stability of dichlorodiazene. <i>Chemical Physics Letters</i> , 2003, 370, 418-424. | 1.2 | 3 |
| 95 | Ab initio theoretical studies of potential energy surfaces in the photodissociation of the vinyl radical. I. $\dot{\pi}$ state dissociation. <i>Journal of Chemical Physics</i> , 2003, 119, 6524-6538. | 1.2 | 9 |
| 96 | An Alternative Mechanism for the Dimerization of Formic Acid. <i>Journal of Physical Chemistry A</i> , 2003, 107, 10208-10216. | 1.1 | 30 |
| 97 | Anchoring the water dimer potential energy surface with explicitly correlated computations and focal point analyses. <i>Journal of Chemical Physics</i> , 2002, 116, 690-701. | 1.2 | 262 |
| 98 | An ab Initio Excursion on the Lowest 18 Electronic Surfaces of the NCl + NCl System: Some Insight into the Long-Range Self-Quenching Pathways of the First Excited State of NCl. <i>Journal of Physical Chemistry A</i> , 2002, 106, 8453-8460. | 1.1 | 4 |
| 99 | Synthesis of the ABC Ring System of Azaspiracid. 2. A Systematic Study into the Effect of C16 and C17 Substitution on Bis-spirocyclization. <i>Organic Letters</i> , 2002, 4, 2181-2184. | 2.4 | 33 |
| 100 | Atomic and Molecular Electron Affinities: Photoelectron Experiments and Theoretical Computations. <i>Chemical Reviews</i> , 2002, 102, 231-282. | 23.0 | 1,152 |
| 101 | Gauging the applicability of ONIOM (MO/MO) methods to weak chemical interactions in large systems: hydrogen bonding in alcohol dimers. <i>Computational and Theoretical Chemistry</i> , 2002, 592, 137-147. | 1.5 | 52 |
| 102 | Superconvergent Perturbation Theory for an Anharmonic Oscillator. <i>Journal of Mathematical Chemistry</i> , 2002, 31, 105-120. | 0.7 | 7 |
| 103 | Chemically accurate conformational energies for aziridine-2-carbonitrile. <i>Journal of Chemical Physics</i> , 2001, 114, 225. | 1.2 | 6 |
| 104 | Hydrogen Bonding in Alcohol Clusters: A Comparative Study by Infrared Cavity Ringdown Laser Absorption Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2000, 104, 1423-1429. | 1.1 | 105 |
| 105 | Electron affinities of the oxides of aluminum, silicon, phosphorus, sulfur, and chlorine. <i>Journal of Chemical Physics</i> , 1999, 110, 6240-6245. | 1.2 | 44 |
| 106 | Subtle basis set effects on hydrogen bonded systems. <i>Molecular Physics</i> , 1999, 96, 493-504. | 0.8 | 26 |
| 107 | Assignment of the infrared spectra of the methanol trimer. <i>Journal of Chemical Physics</i> , 1999, 111, 3027-3034. | 1.2 | 37 |
| 108 | A comparison between the CISD[TQ] wave function and other highly correlated methods: Molecular geometry and harmonic vibrational frequencies of MgH ₂ . <i>Journal of Chemical Physics</i> , 1998, 108, 7511-7515. | 1.2 | 13 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | A high level theoretical investigation of the cyclic hydrogen fluoride trimer. Journal of Chemical Physics, 1997, 106, 9627-9633. | 1.2 | 34 |
| 110 | Predicting electron affinities with density functional theory: Some positive results for negative ions. Journal of Chemical Physics, 1997, 107, 2529-2541. | 1.2 | 114 |
| 111 | The hydroperoxyl radical dimer: Triplet ring or singlet string?. Journal of Chemical Physics, 1997, 106, 5102-5108. | 1.2 | 24 |
| 112 | Structures, thermochemistry, and electron affinities of the PF _n and PF _n ⁻ series, n=1-6. Journal of Chemical Physics, 1996, 104, 3676-3683. | 1.2 | 76 |
| 113 | Fundamental vibrational frequencies of isolated 2-phosphaethynolate and 2-phosphaethynthiolate anions: OCP ⁻ and SCP ⁻ . Molecular Physics, 0, , e1967495. | 0.8 | 1 |
| 114 | Subtle basis set effects on hydrogen bonded systems. , 0, . | | 1 |
| 115 | Correlation of Solid-State Order to Optoelectronic Behavior in Heterocyclic Oligomers. CrystEngComm, 0, , . | 1.3 | 2 |