

J Philipp Wagner

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,541
citations

623188

14
h-index

395343

33
g-index

34
all docs

34
docs citations

34
times ranked

1726
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | London Dispersion in Molecular Chemistryâ€”Reconsidering Steric Effects. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12274-12296. | 7.2 | 719 |
| 2 | Londonâ€™sche Dispersionswechselwirkungen in der MolekÃ¼lchemie â€” eine Neubetrachtung sterischer Effekte. <i>Angewandte Chemie</i> , 2015, 127, 12446-12471. | 1.6 | 197 |
| 3 | London Dispersion Decisively Contributes to the Thermodynamic Stability of Bulky NHC-Coordinated Main Group Compounds. <i>Journal of Chemical Theory and Computation</i> , 2016, 12, 231-237. | 2.3 | 74 |
| 4 | Cyclopropylhydroxycarbene. <i>Journal of the American Chemical Society</i> , 2011, 133, 13614-13621. | 6.6 | 59 |
| 5 | Intramolecular London Dispersion Interactions Do Not Cancel in Solution. <i>Journal of the American Chemical Society</i> , 2021, 143, 41-45. | 6.6 | 53 |
| 6 | Domino Tunneling. <i>Journal of the American Chemical Society</i> , 2015, 137, 7828-7834. | 6.6 | 46 |
| 7 | An Argonâ€”Oxygen Covalent Bond in the ArOH ⁺ Molecular Ion. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5081-5085. | 7.2 | 42 |
| 8 | The Self-Association of Graphane Is Driven by London Dispersion and Enhanced Orbital Interactions. <i>Journal of Chemical Theory and Computation</i> , 2015, 11, 1621-1630. | 2.3 | 41 |
| 9 | Gasâ€”Phase Preparation of Carbonic Acid and Its Monomethyl Ester. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11766-11771. | 7.2 | 39 |
| 10 | Nature Utilizes Unusual High London Dispersion Interactions for Compact Membranes Composed of Molecular Ladders. <i>Journal of Chemical Theory and Computation</i> , 2014, 10, 1353-1358. | 2.3 | 35 |
| 11 | Acetate Facilitated Nickel Catalyzed Coupling of Aryl Chlorides and Alkyl Thiols. <i>ACS Catalysis</i> , 2022, 12, 2233-2243. | 5.5 | 32 |
| 12 | Tunnelling in carbonic acid. <i>Chemical Communications</i> , 2016, 52, 7858-7861. | 2.2 | 31 |
| 13 | [2](1,3)Adamantano[2](2,7)pyrenophane: A Hydrocarbon with a Large Dipole Moment. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9277-9281. | 7.2 | 28 |
| 14 | Near-Infrared Spectroscopy and Anharmonic Theory of Protonated Water Clusters: Higher Elevations in the Hydrogen Bonding Landscape. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 5664-5671. | 2.1 | 20 |
| 15 | Near-infrared spectroscopy and anharmonic theory of the H ₂ O+Ar _{1,2} cation complexes. <i>Journal of Chemical Physics</i> , 2017, 147, 104302. | 1.2 | 14 |
| 16 | Mid-Infrared Spectroscopy of C ₇ H ₇ ⁺ Isomers in the Gas Phase: Benzylium and Tropylium. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4591-4595. | 2.1 | 13 |
| 17 | Tunneling Isomerizations on the Potential Energy Surfaces of Formaldehyde and Methanol Radical Cations. <i>ACS Earth and Space Chemistry</i> , 2017, 1, 361-367. | 1.2 | 11 |
| 18 | Intricate Conformational Tunneling in Carbonic Acid Monomethyl Ester. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1663-1667. | 2.1 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Infrared Spectroscopy of the Astrochemically Relevant Protonated Formaldehyde Dimer. <i>Journal of Physical Chemistry A</i> , 2018, 122, 192-198. | 1.1 | 11 |
| 20 | Gauging stability and reactivity of carbonyl $\text{C}=\text{O}$ -oxide Criegee intermediates. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 21530-21540. | 1.3 | 11 |
| 21 | $\text{2-H-Imidazol-2-one-O-Oxide}$: A Criegee Intermediate from a f^0f^2 Singlet Ground-State Carbene. <i>Journal of the American Chemical Society</i> , 2022, 144, 5937-5944. | 6.6 | 9 |
| 22 | An Intramolecular Hydrogen-Shift in a Peroxy Radical at Cryogenic Temperatures: The Reaction of $\text{2-Hydroxyphenyl Radical}$ with O_2 . <i>Chemistry - A European Journal</i> , 2020, 26, 12119-12124. | 1.7 | 8 |
| 23 | Spectroscopy of Proton Coordination with Ethylenediamine. <i>Journal of Physical Chemistry A</i> , 2018, 122, 5168-5176. | 1.1 | 6 |
| 24 | The Role of Tunneling in the Spectra of H_5^+ and D_5^+ up to 7300 cm^{-1} . <i>Journal of Physical Chemistry A</i> , 2020, 124, 4427-4439. | 1.1 | 5 |
| 25 | Criegee Intermediates in Autoxidation Reactions: Mechanistic Considerations. <i>Journal of Physical Chemistry A</i> , 2021, 125, 406-410. | 1.1 | 5 |
| 26 | Mid/near infrared spectroscopy of the $\text{H}_2\text{Cl}+\text{Ar}$ cation complex compared to the predictions of anharmonic theory. <i>Chemical Physics Letters</i> , 2018, 691, 51-55. | 1.2 | 4 |
| 27 | Communication: Infrared photodissociation spectroscopy of the H_6^+ cation in the gas phase. <i>Journal of Chemical Physics</i> , 2018, 149, 031105. | 1.2 | 4 |
| 28 | Infrared spectroscopy of $\text{H}+(\text{CO})_2$ in the gas phase and in para-hydrogen matrices. <i>Journal of Chemical Physics</i> , 2020, 153, 084305. | 1.2 | 4 |
| 29 | Gas phase infrared spectroscopy of the $\text{H}_2\text{C NH}_2^+$ methaniminium cation. <i>Chemical Physics Letters</i> , 2019, 726, 53-56. | 1.2 | 3 |
| 30 | Towards the pyrolytic preparation of carbonothioic O,O-acid (monothiocarbonic acid). <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 124, 439-445. | 2.6 | 2 |
| 31 | Difficulties of Popular Density Functionals to Describe the Conformational Isomerism in Iodoacetic Acid. <i>Journal of Physical Chemistry A</i> , 2020, 124, 5570-5579. | 1.1 | 2 |
| 32 | Infrared spectroscopy of the protonated HCl dimer and trimer. <i>Journal of Chemical Physics</i> , 2021, 155, 134302. | 1.2 | 1 |
| 33 | f^0f^2 Singlet Ground State Carbenes Undergo Least-Motion Reactions with H_2 and Alkenes. <i>Journal of Organic Chemistry</i> , 2021, 86, 15247-15252. | 1.7 | 1 |
| 34 | An Argon-Oxygen Covalent Bond in the ArOH^+ Molecular Ion. <i>Angewandte Chemie</i> , 2018, 130, 5175-5179. | 1.6 | 0 |