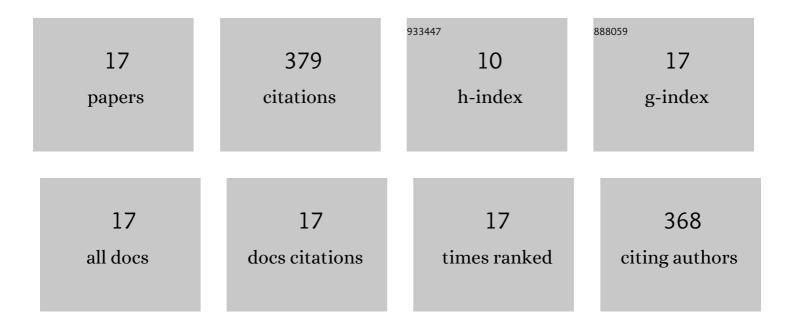
Matthias Heger

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Vibrational Spectroscopy of Homo- and Heterochiral Amino Acid Dimers: Conformational Landscapes. Molecules, 2022, 27, 38. | 3.8 | 7 |
| 2 | The rich conformational landscape of perillyl alcohol revealed by broadband rotational spectroscopy and theoretical modelling. Physical Chemistry Chemical Physics, 2019, 21, 15408-15416. | 2.8 | 45 |
| 3 | Conformational dynamics of 1-phenyl-2,2,2-trifluoroethanol by rotational spectroscopy and ab initio calculations. Journal of Molecular Spectroscopy, 2018, 351, 62-67. | 1.2 | 31 |
| 4 | A spectroscopic and <i>ab initio</i> study of the hydrogen peroxide–formic acid complex: hindering the internal motion of H ₂ O ₂ . Physical Chemistry Chemical Physics, 2018, 20, 21345-21351. | 2.8 | 10 |
| 5 | Structural and energetic properties of protonated and sodiated asparagine probed by a new laboratory IRMPD spectrometer. Journal of Molecular Spectroscopy, 2018, 352, 36-44. | 1.2 | 3 |
| 6 | Control over the Hydrogenâ€Bond Docking Site in Anisole by Ring Methylation. Angewandte Chemie - International Edition, 2016, 55, 1921-1924. | 13.8 | 41 |
| 7 | Ringmethylierung kontrolliert die Wasserstoffbrückenâ€Andockstelle bei Anisol. Angewandte Chemie, 2016, 128, 1955-1959. | 2.0 | 7 |
| 8 | Aromatic embedding wins over classical hydrogen bonding – a multi-spectroscopic approach for the diphenyl ether–methanol complex. Physical Chemistry Chemical Physics, 2016, 18, 25975-25983. | 2.8 | 27 |
| 9 | The donor OH stretching–libration dynamics of hydrogen-bonded methanol dimers in cryogenic matrices. Physical Chemistry Chemical Physics, 2016, 18, 3739-3745. | 2.8 | 9 |
| 10 | Comment on: "Quantum Confinement in Hydrogen Bond―by Carlos da Silva dos Santos, Elso Drigo Filho, and Regina Maria Ricotta, Int. J. Quantum Chem. 2015, 115, 765-770 International Journal of Quantum Chemistry, 2015, 115, 1510-1511. | 2.0 | 1 |
| 11 | Soft hydrogen bonds to alkenes: the methanol–ethene prototype under experimental and theoretical scrutiny. Chemical Science, 2015, 6, 3738-3745. | 7.4 | 26 |
| 12 | To π or not to π – how does methanol dock onto anisole?. Physical Chemistry Chemical Physics, 2015, 17, 13045-13052. | 2.8 | 33 |
| 13 | Bracketing subtle conformational energy differences between self-solvated and stretched trifluoropropanol. Physical Chemistry Chemical Physics, 2015, 17, 9899-9909. | 2.8 | 8 |
| 14 | Molecular Docking via Olefinic OH···π Interactions: A Bulky Alkene Model System and Its Cooperativity. Journal of Physical Chemistry A, 2015, 119, 1723-1730. | 2.5 | 22 |
| 15 | The effect of hydrogen bonding on torsional dynamics: A combined far-infrared jet and matrix isolation study of methanol dimer. Journal of Chemical Physics, 2014, 141, 174314. | 3.0 | 33 |
| 16 | Communication: Towards the binding energy and vibrational red shift of the simplest organic hydrogen bond: Harmonic constraints for methanol dimer. Journal of Chemical Physics, 2014, 141, 101105. | 3.0 | 28 |
| 17 | From hydrogen bond donor to acceptor: the effect of ethanol fluorination on the first solvating water molecule. Physical Chemistry Chemical Physics, 2013, 15, 16065. | 2.8 | 48 |