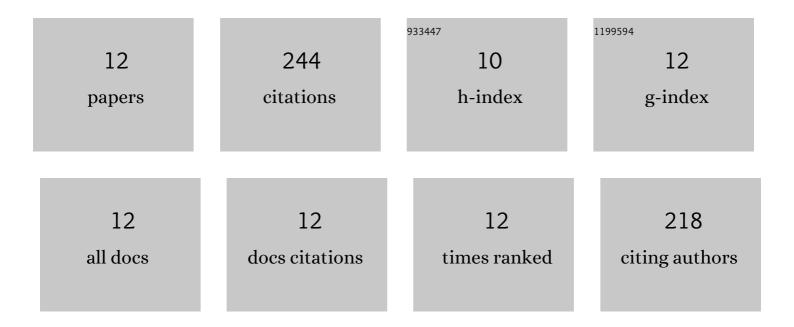
Alexander Weiss

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Exploiting the capabilities of quantum chemical simulations to characterise the hydration of molecular compounds. RSC Advances, 2013, 3, 1606-1635. | 3.6 | 56 |
| 2 | Hydration of highly charged ions. Chemical Physics Letters, 2011, 512, 139-145. | 2.6 | 48 |
| 3 | A QMCF-MD Investigation of the Structure and Dynamics of Ce ⁴⁺ in Aqueous Solution. Inorganic Chemistry, 2012, 51, 6746-6752. | 4.0 | 22 |
| 4 | Hydrogen bond formation of formamide and N-methylformamide in aqueous solution studied by quantum mechanical charge field-molecular dynamics (QMCF-MD). Physical Chemistry Chemical Physics, 2011, 13, 12173. | 2.8 | 20 |
| 5 | A Comparative Quantum Mechanical Charge Field Study of Uranyl Mono- and Dicarbonate Species in Aqueous Solution. Journal of Physical Chemistry B, 2013, 117, 16174-16187. | 2.6 | 18 |
| 6 | Guanidinium in aqueous solution studied by quantum mechanical charge field-molecular dynamics (QMCF-MD). Physical Chemistry Chemical Physics, 2012, 14, 7012. | 2.8 | 17 |
| 7 | Structure and Dynamics of the Chromate Ion in Aqueous Solution. An ab Initio QMCF-MD Simulation. Inorganic Chemistry, 2010, 49, 7964-7968. | 4.0 | 16 |
| 8 | Solvation properties and behaviour of lutetium(III) in aqueous solution—A quantum mechanical charge field (QMCF) study. Journal of Chemical Physics, 2013, 139, 114306. | 3.0 | 16 |
| 9 | A Dissociative Quantum Mechanical/Molecular Mechanical Molecular Dynamics Simulation and Infrared Experiments Reveal Characteristics of the Strongly Hydrolytic Arsenic(III). Inorganic Chemistry, 2014, 53, 11861-11870. | 4.0 | 10 |
| 10 | Electronic Structure and Hydration of Tetramine Cobalt Hydride Complexes. Journal of Physical Chemistry B, 2014, 118, 5551-5561. | 2.6 | 10 |
| 11 | Urea in aqueous solution studied by quantum mechanical charge field-molecular dynamics (QMCF-MD). Molecular BioSystems, 2013, 9, 1864. | 2.9 | 9 |
| 12 | Structural and functional comparison of fumarylacetoacetate domain containing protein 1 in human and mouse. Bioscience Reports, 2020, 40, . | 2.4 | 2 |