

Alexander Weiss

List of Publications by Year in descending order

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12
papers

244
citations

933447

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1199594

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all docs

12
docs citations

12
times ranked

218
citing authors

#	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 Dicarboxylate 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