

# Harald Knorke

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

662  
citations

759233

12  
h-index

839539

18  
g-index

21  
all docs

21  
docs citations

21  
times ranked

687  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectroscopic snapshots of the proton-transfer mechanism in water. <i>Science</i> , 2016, 354, 1131-1135.	12.6	213
2	INFRARED SPECTRA OF ISOLATED PROTONATED POLYCYCLIC AROMATIC HYDROCARBON MOLECULES. <i>Astrophysical Journal</i> , 2009, 706, L66-L70.	4.5	103
3	Site-specific vibrational spectral signatures of water molecules in the magic $H_3^+ O_{20}$ ( $H_2^+ O_{20}$ ) and $Cs^+ (H_2^+ O)_{20}$ clusters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 18132-18137.	7.1	59
4	Gas phase vibrational spectroscopy of the protonated water pentamer: the role of isomers and nuclear quantum effects. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 26743-26754.	2.8	53
5	Deconstructing Prominent Bands in the Terahertz Spectra of $H_7O_3^+$ and $H_9O_4^+$ : Intermolecular Modes in Eigen Clusters. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 798-803.	4.6	38
6	Thermodynamics of Water Dimer Dissociation in the Primary Hydration Shell of the Iodide Ion with Temperature-Dependent Vibrational Predissociation Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2015, 119, 1859-1866.	2.5	37
7	Experimental Identification of the Active Site in the Heteronuclear Redox Couples $[AlVO_x]^{+}/CO/N_2O$ ( $x=3, \dots, 4$ ) by Gas-Phase IR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7448-7452.	13.8	25
8	IR spectra of resorcinol- $Ar$ cluster cations ( $n=1, 2$ ): Evidence for photoionization-induced $H$ isomerization. <i>Chemical Physics Letters</i> , 2009, 474, 7-12.	2.6	18
9	Anion Chemistry with Mass-Selected Molecular Fragments on Surfaces. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24910-24914.	13.8	18
10	Design and Performance of a Soft-Landing Instrument for Fragment Ion Deposition. <i>Analytical Chemistry</i> , 2021, 93, 14489-14496.	6.5	18
11	Relevance of $\pi$ -Backbonding for the Reactivity of Electrophilic Anions $[B_{12}X_{11}]^+$ ( $X=F, Cl, Br, I, CN$ ). <i>Chemistry - A European Journal</i> , 2021, 27, 10274-10281.	3.3	15
12	IR spectra of phenol- $(O_2)_n$ cation clusters ( $n=1-4$ ): Hydrogen bonding versus stacking interactions. <i>Chemical Physics Letters</i> , 2008, 457, 298-302.	2.6	13
13	Vibrational spectroscopy of the hexahydrated sulfate dianion revisited: role of isomers and anharmonicities. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 11651-11659.	2.8	13
14	Influence of argon and $D_2$ tagging on the hydrogen bond network in $Cs^+(H_2O)_3$ ; kinetic trapping below 40 K. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 28476-28486.	2.8	11
15	Experimentelle Bestimmung des aktiven Zentrums im heteronuklearen Redox-System $[AlVO_x]^{+}/CO/N_2O$ ( $x=3, \dots, 4$ ) durch Gasphasen-Infrarotspektroskopie. <i>Angewandte Chemie</i> , 2018, 130, 7570-7574.	2.0	10
16	Synthesis, Electronic Properties and Reactivity of $[B_{12}X_{11}(NO_2)]^{2+}$ ( $X=F, I$ ) Dianions. <i>Chemistry - A European Journal</i> , 2020, 26, 14594-14601.	3.3	9
17	Cryogenic ion trap vibrational spectroscopy of the microhydrated sulfate dianions $SO_4^{2-}(H_2O)_3$ . <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 27732-27745.	2.8	5
18	Isolating the Isomeric Hydrogen Bonding Signatures of the Cyanide-Water Complex by Cryogenic Ion Trap Vibrational Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 5349-5354.	4.6	4

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19	Anion-Anion Chemistry with Mass-Selected Molecular Fragments on Surfaces. <i>Angewandte Chemie</i> , 0, , .	2.0	0