

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	Relevance of π -Backbonding for the Reactivity of Electrophilic Anions $[B_{12}X_{11}]^+$ ($X=F, Cl, Br, I, CN$). Chemistry - A European Journal, 2021, 27, 10274-10281.	3.3	15
2	Anion-Anion Chemistry with Mass-Selected Molecular Fragments on Surfaces. Angewandte Chemie - International Edition, 2021, 60, 24910-24914.	13.8	18
3	Design and Performance of a Soft-Landing Instrument for Fragment Ion Deposition. Analytical Chemistry, 2021, 93, 14489-14496.	6.5	18
4	Synthesis, Electronic Properties and Reactivity of $[B_{12}X_{11}(NO_2)]^{2+}$ ($X=F, I$) Dianions. Chemistry - A European Journal, 2020, 26, 14594-14601.	3.3	9
5	Cryogenic ion trap vibrational spectroscopy of the microhydrated sulfate dianions $SO_4^{2-}(H_2O)_3$. Physical Chemistry Chemical Physics, 2020, 22, 27732-27745.	2.8	5
6	Vibrational spectroscopy of the hexahydrated sulfate dianion revisited: role of isomers and anharmonicities. Physical Chemistry Chemical Physics, 2019, 21, 11651-11659.	2.8	13
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. Angewandte Chemie - International Edition, 2018, 57, 7448-7452.	13.8	25
8	Deconstructing Prominent Bands in the Terahertz Spectra of $H_7O_3^+$ and $H_9O_4^+$: Intermolecular Modes in Eigen Clusters. Journal of Physical Chemistry Letters, 2018, 9, 798-803.	4.6	38
9	Influence of argon and D_2 tagging on the hydrogen bond network in $Cs^+(H_2O)_3$; kinetic trapping below 40 K. Physical Chemistry Chemical Physics, 2018, 20, 28476-28486.	2.8	11
10	Experimentelle Bestimmung des aktiven Zentrums im heteronuklearen Redox-System $[AlVO_x/CO/N_2O]$ ($x=3, \dots, 4$) durch Gasphasen-Infrarotspektroskopie. Angewandte Chemie, 2018, 130, 7570-7574.	2.0	10
11	Isolating the Isomeric Hydrogen Bonding Signatures of the Cyanide-Water Complex by Cryogenic Ion Trap Vibrational Spectroscopy. Journal of Physical Chemistry Letters, 2017, 8, 5349-5354.	4.6	4
12	Spectroscopic snapshots of the proton-transfer mechanism in water. Science, 2016, 354, 1131-1135.	12.6	213
13	Gas phase vibrational spectroscopy of the protonated water pentamer: the role of isomers and nuclear quantum effects. Physical Chemistry Chemical Physics, 2016, 18, 26743-26754.	2.8	53
14	Thermodynamics of Water Dimer Dissociation in the Primary Hydration Shell of the Iodide Ion with Temperature-Dependent Vibrational Predissociation Spectroscopy. Journal of Physical Chemistry A, 2015, 119, 1859-1866.	2.5	37
15	Site-specific vibrational spectral signatures of water molecules in the magic H_3O^+ (H_2O) ₂₀ and $Cs^+(H_2O)$ ₂₀ clusters. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 18132-18137.	7.1	59
16	INFRARED SPECTRA OF ISOLATED PROTONATED POLYCYCLIC AROMATIC HYDROCARBON MOLECULES. Astrophysical Journal, 2009, 706, L66-L70.	4.5	103
17	IR spectra of resorcinol-Ar cluster cations ($n=1, 2$): Evidence for photoionization-induced π -H isomerization. Chemical Physics Letters, 2009, 474, 7-12.	2.6	18
18	IR spectra of phenol-(O_2) _n cation clusters ($n=1-4$): Hydrogen bonding versus stacking interactions. Chemical Physics Letters, 2008, 457, 298-302.	2.6	13

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