

# Knut R Asmis

## List of Publications by Year in descending order

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141  
papers

6,010  
citations

70961

41  
h-index

82410

72  
g-index

154  
all docs

154  
docs citations

154  
times ranked

3755  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of a Twoâ€Coordinate Iron(I)â€Oxalate Complex. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	2
2	Gasâ€Phase Mechanism of O<sup>âˆˆ</sup>/Ni<sup>2+</sup>â€Mediated Methane Conversion to Formaldehyde. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	6
3	Online Monitoring of Isomeric Reaction Intermediates. <i>Journal of Physical Chemistry A</i> , 2021, 125, 2801-2815.	1.1	9
4	Gemeinsame katalytische Umsetzung von CH <sub>4</sub> und CO <sub>2</sub> durch Rhodiumâ€Titanoxidâ€Anionen RhTiO <sub>2</sub> âˆˆ. <i>Angewandte Chemie</i> , 2021, 133, 13907-13911.	1.6	3
5	Catalytic Coâ€Conversion of CH <sub>4</sub> and CO <sub>2</sub> Mediated by Rhodiumâ€Titanium Oxide Anions RhTiO <sub>2</sub> <sup>âˆˆ</sup>. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13788-13792.	7.2	34
6	Isomerâ€Specific Vibrational Spectroscopy of Microhydrated Lithium Dichloride Anions: Spectral Fingerprint of Solventâ€Shared Ion Pairs. <i>ChemPhysChem</i> , 2021, 22, 1036-1041.	1.0	4
7	Relevance of Î€â€Backbonding for the Reactivity of Electrophilic Anions [B<sub>12</sub>X<sub>11</sub>]<sup>âˆˆ</sup> (X=F, Cl, Br, I, CN). <i>Chemistry - A European Journal</i> , 2021, 27, 10274-10281.	1.7	15
8	Structural Characterization of Nickel-Doped Aluminum Oxide Cations by Cryogenic Ion Trap Vibrational Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2021, 125, 9527-9535.	1.1	4
9	The Chemical Nature of Ti <sub>4</sub> O <sub>10</sub> â€: Vibrational Predissociation Spectroscopy Combined with Global Structure Optimization. <i>Journal of Physical Chemistry A</i> , 2021, 125, 9571-9577.	1.1	3
10	Valence and Structure Isomerism of Al <sub>2</sub> FeO <sub>4</sub> +: Synergy of Spectroscopy and Quantum Chemistry. <i>Journal of the American Chemical Society</i> , 2020, 142, 18050-18059.	6.6	14
11	Synthesis, Electronic Properties and Reactivity of [B<sub>12</sub>X<sub>11</sub>(NO<sub>2</sub>)]<sup>2âˆˆ</sup> (X=Fâ€I) Dianions. <i>Chemistry - A European Journal</i> , 2020, 26, 14594-14601.	1.7	9
12	Direct functionalization of CâˆH bonds by electrophilic anions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23374-23379.	3.3	21
13	First steps towards a stable neon compound: observation and bonding analysis of [B<sub>12</sub>(CN)<sub>11</sub>Ne]<sup>âˆˆ</sup>. <i>Chemical Communications</i> , 2020, 56, 4591-4594.	2.2	26
14	Electronic Action Spectroscopy on Single Nanoparticles in the Gas Phase. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 6051-6056.	2.1	3
15	Unravelling the configuration of transient <i>ortho</i> -quinone methides by combining microfluidics with gas phase vibrational spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 4610-4616.	1.3	4
16	Infrared photodissociation spectroscopy of D<sub>2</sub>-tagged CH<sub>3</sub>CO<sub>2</sub><sup>âˆˆ</sup>(H<sub>2</sub>O)<sub>0âˆ2</sub> anions. <i>Molecular Physics</i> , 2020, 118, e1749953.	0.8	9
17	Cryogenic ion trap vibrational spectroscopy of the microhydrated sulfate dianions SO<sub>4</sub><sup>2âˆˆ</sup>(H<sub>2</sub>O)<sub>3âˆ8</sub>. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 27732-27745.	1.3	5
18	Controlling internal degrees: general discussion. <i>Faraday Discussions</i> , 2019, 217, 138-171.	1.6	1

#	ARTICLE	IF	CITATIONS
19	Pushing resolution in frequency and time: general discussion. Faraday Discussions, 2019, 217, 290-321.	1.6	1
20	Exotic systems: general discussion. Faraday Discussions, 2019, 217, 601-622.	1.6	0
21	Direct Identification of Acetaldehyde Formation and Characterization of the Active Site in the [VPO <sub>4</sub> ] <sup>+</sup> /C <sub>2</sub> H <sub>4</sub> Couple by Gas-Phase Vibrational Spectroscopy. Angewandte Chemie, 2019, 131, 19044-19048.	1.6	10
22	Direct Identification of Acetaldehyde Formation and Characterization of the Active Site in the [VPO <sub>4</sub> ] <sup>+</sup> /C <sub>2</sub> H <sub>4</sub> Couple by Gas-Phase Vibrational Spectroscopy. Angewandte Chemie - International Edition, 2019, 58, 18868-18872.	7.2	16
23	Fluxional Boron Clusters: From Theory to Reality. Accounts of Chemical Research, 2019, 52, 2732-2744.	7.6	79
24	Vibrational spectroscopy of the hexahydrated sulfate dianion revisited: role of isomers and anharmonicities. Physical Chemistry Chemical Physics, 2019, 21, 11651-11659.	1.3	13
25	Rational design of an argon-binding superelectrophilic anion. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8167-8172.	3.3	69
26	A cryogenic single nanoparticle action spectrometer. Review of Scientific Instruments, 2019, 90, 125110.	0.6	8
27	Identification of Active Sites and Structural Characterization of Reactive Ionic Intermediates by Cryogenic Ion Trap Vibrational Spectroscopy. Chemistry - A European Journal, 2019, 25, 2112-2126.	1.7	80
28	Joining Microfluidics with Infrared Photodissociation: Online Monitoring of Isomeric Flow-Reaction Intermediates. Analytical Chemistry, 2019, 91, 3199-3203.	3.2	18
29	Structure and Reactivity of Al <sup>+</sup> O(H) <sup>+</sup> Al Moieties in Siloxide Frameworks: Solution and Gas-Phase Model Studies. Angewandte Chemie - International Edition, 2019, 58, 902-906.	7.2	16
30	Struktur und Reaktivität der Al <sup>+</sup> O(H) <sup>+</sup> Al-Einheiten in Siloxidgerüstverbindungen – Modellstudien in Lösung und in Isolation. Angewandte Chemie, 2019, 131, 912-917.	1.6	6
31	CO <sub>2</sub> Adsorption on Ti <sub>3</sub> O <sub>6</sub> <sup>+</sup> : A Novel Carbonate Binding Motif. Journal of Physical Chemistry C, 2019, 123, 8439-8446.	1.5	19
32	Experimental Identification of the Active Site in the Heteronuclear Redox Couples [AlVO <sub>x</sub> ] <sup>+</sup> /CO/N <sub>2</sub> O (x=3,4) by Gas-Phase IR Spectroscopy. Angewandte Chemie - International Edition, 2018, 57, 7448-7452.	7.2	25
33	Deconstructing Prominent Bands in the Terahertz Spectra of H <sub>7</sub> O <sub>3</sub> <sup>+</sup> and H <sub>9</sub> O <sub>4</sub> <sup>+</sup> : Intermolecular Modes in Eigen Clusters. Journal of Physical Chemistry Letters, 2018, 9, 798-803.	2.1	38
34	Size-Selected Clusters as Model Systems for Catalysis. Topics in Catalysis, 2018, 61, 1-2.	1.3	29
35	Dissociative Water Adsorption on Gas-Phase Titanium Dioxide Cluster Anions Probed with Infrared Photodissociation Spectroscopy. Topics in Catalysis, 2018, 61, 92-105.	1.3	21
36	Influence of argon and D <sub>2</sub> tagging on the hydrogen bond network in Cs <sup>+</sup> (H <sub>2</sub> O) <sub>3</sub> ; kinetic trapping below 40 K. Physical Chemistry Chemical Physics, 2018, 20, 28476-28486.	1.3	11

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37	Communication: Gas phase vibrational spectroscopy of the azide-water complex. Journal of Chemical Physics, 2018, 149, 191101.	1.2	5
38	Geometric Structures and Magnetic Interactions in Small Chromium Oxide Clusters. Journal of Physical Chemistry C, 2018, 122, 27640-27647.	1.5	9
39	Experimentelle Bestimmung des aktiven Zentrums im heteronuklearen Redox-System $[AlVO_x]^{+}$ /CO/N <sub>2</sub> O ( $x=3, \dots, 4$ ) durch Gasphasen-Infrarotspektroskopie. Angewandte Chemie, 2018, 130, 7570-7574.	1.6	10
40	Probing the propensity of perchlorate anions for surface solvation by infrared photodissociation spectroscopy. Journal of Chemical Physics, 2018, 148, 222840.	1.2	7
41	Gas-Phase Vibrational Spectroscopy of the Aluminum Oxide Anions $(Al_2O_3)_n^{6-}$ . ChemPhysChem, 2017, 18, 868-872.	1.0	16
42	Dissociative Water Adsorption by $Al_3O_4^{+}$ in the Gas Phase. Journal of Physical Chemistry Letters, 2017, 8, 1272-1277.	2.1	38
43	Structure and Fluxionality of $B_{13}^{+}$ Probed by Infrared Photodissociation Spectroscopy. Angewandte Chemie - International Edition, 2017, 56, 501-504.	7.2	88
44	Titelbild: Superelektrophiles Verhalten eines Anions demonstriert durch spontane Bindung von Edelgasen an $[B_{12}Cl_{11}]^{+}$ (Angew. Chem. 27/2017). Angewandte Chemie, 2017, 129, 7789-7789.	1.6	0
45	Superelectrophilic Behavior of an Anion Demonstrated by the Spontaneous Binding of Noble Gases to $[B_{12}Cl_{11}]^{+}$ . Angewandte Chemie - International Edition, 2017, 56, 7980-7985.	7.2	55
46	Superelektrophiles Verhalten eines Anions demonstriert durch spontane Bindung von Edelgasen an $[B_{12}Cl_{11}]^{+}$ . Angewandte Chemie, 2017, 129, 8090-8096.	1.6	17
47	Untersuchung der Struktur und Dynamik des $B_{13}^{+}$ mithilfe der Infrarot-Photodissoziationsspektroskopie. Angewandte Chemie, 2017, 129, 515-519.	1.6	15
48	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.	2.1	4
49	Excess charge driven dissociative hydrogen adsorption on $Ti_2O_4^{+}$ . Physical Chemistry Chemical Physics, 2017, 19, 23154-23161.	1.3	16
50	Innen-1/4cktitelbild: Untersuchung der Struktur und Dynamik des $B_{13}^{+}$ mithilfe der Infrarot-Photodissoziationsspektroskopie (Angew. Chem. 2/2017). Angewandte Chemie, 2017, 129, 671-671.	1.6	0
51	Spectroscopic snapshots of the proton-transfer mechanism in water. Science, 2016, 354, 1131-1135.	6.0	213
52	Cryogenic Ion Trap Vibrational Spectroscopy of Hydrogen-Bonded Clusters Relevant to Atmospheric Chemistry (International Reviews in Physical Chemistry, 2015, Vol. 34, No. 1, 1-34). International Reviews in Physical Chemistry, 2016, 35, 507-507.	0.9	29
53	Gas phase vibrational spectroscopy of cold $(TiO_2)_n$ ( $n = 3-8$ ) clusters. Journal of Chemical Physics, 2016, 144, 124308.	1.2	16
54	Gas phase structures and charge localization in small aluminum oxide anions: Infrared photodissociation spectroscopy and electronic structure calculations. Journal of Chemical Physics, 2016, 144, 244305.	1.2	13

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55	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.	1.3	53
56	Infrared Photodissociation Spectroscopy of C <sub>4</sub> N <sup>+</sup> , C <sub>6</sub> N <sup>+</sup> and C <sub>8</sub> N <sup>+</sup> . <i>ChemPhysChem</i> , 2016, 17, 3783-3789.	1.0	3
57	Probing the microsolvation of a quaternary ion complex: gas phase vibrational spectroscopy of (NaSO <sub>4</sub> ) <sup>+</sup> (H <sub>2</sub> O) <sub>n</sub> <sup>+</sup> . <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 267-277.	1.3	18
58	Opening of an icosahedral boron framework: A combined infrared spectroscopic and computational study. <i>Chemical Physics Letters</i> , 2015, 625, 48-52.	1.2	22
59	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.	1.1	37
60	Disentangling the Contribution of Multiple Isomers to the Infrared Spectrum of the Protonated Water Heptamer. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 2298-2304.	2.1	32
61	Microhydrated dihydrogen phosphate clusters probed by gas phase vibrational spectroscopy and first principles calculations. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 25714-25724.	1.3	19
62	Cryogenic ion trap vibrational spectroscopy of hydrogen-bonded clusters relevant to atmospheric chemistry. <i>International Reviews in Physical Chemistry</i> , 2015, 34, 1-34.	0.9	165
63	The vibrational spectrum of FeO <sub>2</sub> <sup>+</sup> isomers: Theoretical benchmark and experiment. <i>Journal of Chemical Physics</i> , 2014, 140, 204315.	1.2	20
64	Site-specific vibrational spectral signatures of water molecules in the magic H <sub>3</sub> O <sup>+</sup> (H <sub>2</sub> O) <sub>20</sub> and Cs <sup>+</sup> (H <sub>2</sub> O) <sub>20</sub> clusters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 18132-18137.	3.3	59
65	Infrared Photodissociation Spectroscopy of C <sub>2</sub> H <sub>2</sub> <sup>+</sup> Anions with C <sub>2</sub> H <sub>2</sub> <sup>+</sup> . <i>Zeitschrift Fur Physikalische Chemie</i> , 2014, 228, 351-367.	1.4	6
66	Spectroscopic Identification of a Bidentate Binding Motif in the Anionic Magnesium-CO <sub>2</sub> Complex ([MgCO <sub>2</sub> ] <sup>-</sup> ). <i>Angewandte Chemie - International Edition</i> , 2014, 53, 14407-14410.	7.2	61
67	Large amplitude motion in cold monohydrated dihydrogen phosphate anions H <sub>2</sub> PO <sub>4</sub> <sup>+</sup> (H <sub>2</sub> O): infrared photodissociation spectroscopy combined with ab initio molecular dynamics simulations. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 1314-1318.	1.3	32
68	Infrared Photodissociation Spectroscopy of Microhydrated Nitrate-Nitric Acid Clusters NO <sub>3</sub> <sup>+</sup> (HNO <sub>3</sub> ) <sub>m</sub> (H <sub>2</sub> O) <sub>n</sub> . <i>Journal of Physical Chemistry A</i> , 2014, 118, 7613-7622.		34
69	Vibrational Spectroscopy of the Water-Nitrate Complex in the O-H Stretching Region. <i>Journal of Physical Chemistry A</i> , 2014, 118, 8188-8197.	1.1	39
70	Solvent-mediated folding of dicarboxylate dianions: aliphatic chain length dependence and origin of the IR intensity quenching. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 20463.	1.3	8
71	Isomer-Selective Detection of Hydrogen-Bond Vibrations in the Protonated Water Hexamer. <i>Journal of the American Chemical Society</i> , 2013, 135, 8266-8273.	6.6	107
72	Vibrational Spectroscopy of Bisulfate/Sulfuric Acid/Water Clusters: Structure, Stability, and Infrared Multiple-Photon Dissociation Intensities. <i>Journal of Physical Chemistry A</i> , 2013, 117, 7081-7090.	1.1	55

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73	Structure and Chemistry of the Heteronuclear Oxo-Cluster [VPO <sub>4</sub> ] <sup>4+</sup> : A Model System for the Gas-Phase Oxidation of Small Hydrocarbons. <i>Journal of the American Chemical Society</i> , 2013, 135, 3711-3721.	6.6	66
74	Structural variability in transition metal oxide clusters: gas phase vibrational spectroscopy of V <sub>3</sub> O <sub>6</sub> <sup>8+</sup> . <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 9377.	1.3	55
75	Communication: Vibrational spectroscopy of atmospherically relevant acid cluster anions: Bisulfate versus nitrate core structures. <i>Journal of Chemical Physics</i> , 2012, 136, 241102.	1.2	31
76	Vibrational Spectroscopy of Microhydrated Conjugate Base Anions. <i>Accounts of Chemical Research</i> , 2012, 45, 43-52.	7.6	100
77	Structure characterization of metal oxide clusters by vibrational spectroscopy: possibilities and prospects. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 9270.	1.3	119
78	Kinetic study of the reaction of vanadium and vanadium-titanium oxide cluster anions with SO <sub>2</sub> . <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 14344.	1.3	28
79	Mid- and Far-IR Spectra of H <sub>5</sub> <sup>+</sup> and D <sub>5</sub> <sup>+</sup> Compared to the Predictions of Anharmonic Theory. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3160-3166.	2.1	41
80	Structures and vibrational spectroscopy of partially reduced gas-phase cerium oxide clusters. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 19393.	1.3	50
81	Infrared Spectroscopy of Hydrated Bisulfate Anion Clusters: HSO <sub>4</sub> <sup>-</sup> (H <sub>2</sub> O) <sub>16</sub> . <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 2135-2140.	2.1	87
82	Electron Distribution in Partially Reduced Mixed Metal Oxide Systems: Infrared Spectroscopy of Ce <sub>m</sub> V <sub>n</sub> O <sub>o</sub> <sup>+</sup> Gas-Phase Clusters. <i>Journal of Physical Chemistry A</i> , 2011, 115, 11187-11192.	1.1	42
83	Infrared Spectra and Structures of Silver-PAH Cation Complexes. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 2052-2056.	2.1	15
84	Spectroscopic Characterization of Solvent-Mediated Folding in Dicarboxylate Dianions. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3807-3810.	7.2	17
85	Infrared spectroscopic characterization of the oxidative dehydrogenation of propane by V <sub>4</sub> O <sub>10</sub> <sup>+</sup> . <i>International Journal of Mass Spectrometry</i> , 2010, 297, 102-106.	0.7	29
86	IR Spectroscopic Characterization of the Thermally Induced Isomerization in Carbon Disulfide Dimer Anions. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2465-2469.	2.1	21
87	Gas-Phase Vibrational Spectroscopy of Microhydrated Magnesium Nitrate Ions [MgNO <sub>3</sub> (H <sub>2</sub> O) <sub>14</sub> ] <sup>+</sup> . <i>Journal of the American Chemical Society</i> , 2010, 132, 7398-7404.	6.6	62
88	Infrared Spectroscopy of Hydrated Bicarbonate Anion Clusters: HCO <sub>3</sub> <sup>-</sup> (H <sub>2</sub> O) <sub>10</sub> . <i>Journal of the American Chemical Society</i> , 2010, 132, 849-856.	6.6	146
89	The structure of Au <sub>6</sub> Y <sup>+</sup> in the gas phase. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 13907.	1.3	19
90	Messenger-Tagging Electrospayed Ions: Vibrational Spectroscopy of Suberate Dianions. <i>Journal of Physical Chemistry A</i> , 2009, 113, 5874-5880.	1.1	100

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91	Infrared Spectroscopy of the Microhydrated Nitrate Ions $\text{NO}_3^-(\text{H}_2\text{O})_6$ . Journal of Physical Chemistry A, 2009, 113, 7584-7592.	1.1	209
92	10 K Ring Electrode Trap Tandem Mass Spectrometer for Infrared Spectroscopy of Mass Selected Ions. , 2009, , .		52
93	Gas phase vibrational spectroscopy of mass-selected vanadium oxide anions. Physical Chemistry Chemical Physics, 2008, 10, 3992.	1.3	81
94	Vibrational spectra of small silicon monoxide cluster cations measured by infrared multiple photon dissociation spectroscopy. Physical Chemistry Chemical Physics, 2008, 10, 1502.	1.3	22
95	Identification of Conical Structures in Small Aluminum Oxide Clusters: Infrared Spectroscopy of $(\text{Al}_2\text{O}_3)_4(\text{AlO})^+$ . Journal of the American Chemical Society, 2008, 130, 15143-15149.	6.6	51
96	Vibrational signatures of hydrogen bonding in the protonated ammonia clusters $\text{NH}_4^+(\text{NH}_3)_4$ . Journal of Chemical Physics, 2008, 129, 224302.	1.2	41
97	Vibrational spectroscopy of hydrated electron clusters $(\text{H}_2\text{O})_{15}^-$ via infrared multiple photon dissociation. Journal of Chemical Physics, 2007, 126, 191105.	1.2	74
98	Chapter 8 Vibrational spectroscopy of gas-phase clusters and complexes. Chemical Physics of Solid Surfaces, 2007, , 327-375.	0.3	37
99	Vibrational spectroscopy of $(\text{SO}_4)_n^{\text{TM}}$ $(\text{H}_2\text{O})_n$ clusters, $n=1-5$ : Harmonic and anharmonic calculations and experiment. Journal of Chemical Physics, 2007, 127, 094305.	1.2	51
100	Unexpected Structures of Aluminum Oxide Clusters in the Gas Phase. Angewandte Chemie - International Edition, 2007, 46, 3372-3375.	7.2	113
101	Gas Phase Infrared Spectroscopy and Multidimensional Quantum Calculations of the Protonated Ammonia Dimer $\text{N}_2\text{H}_7^+$ . Angewandte Chemie - International Edition, 2007, 46, 8691-8694.	7.2	77
102	Gas Phase Infrared Photodissociation Spectroscopy of Tetravanadiumoxo and Oxo-Methoxo Cluster Anions. ChemPhysChem, 2007, 8, 1640-1647.	1.0	27
103	Mass-selective vibrational spectroscopy of vanadium oxide cluster ions. Mass Spectrometry Reviews, 2007, 26, 542-562.	2.8	192
104	Isomorphous Substitution in Bimetallic Oxide Clusters. Physical Review Letters, 2006, 96, 233401.	2.9	57
105	Infrared spectroscopy of hydrated sulfate dianions. Journal of Chemical Physics, 2006, 125, 111102.	1.2	112
106	Polyhedral Vanadium Oxide Cages: Infrared Spectra of Cluster Anions and Size-Induced d Electron Localization. Angewandte Chemie - International Edition, 2005, 44, 3122-3125.	7.2	116
107	Gas phase infrared spectroscopy of mono- and divanadium oxide cluster cations. Journal of Chemical Physics, 2004, 120, 6461-6470.	1.2	110
108	Experimental and theoretical study of the infrared spectra of $\text{BrHI}^-$ and $\text{BrDI}^-$ . Journal of Chemical Physics, 2004, 121, 7259-7268.	1.2	15



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109	Formation and photodepletion of cluster ion-messenger atom complexes in a cold ion trap: Infrared spectroscopy of VO <sup>+</sup> , VO <sub>2</sub> <sup>+</sup> , and VO <sub>3</sub> <sup>+</sup> . <i>Journal of Chemical Physics</i> , 2003, 119, 12700-12703.	1.2	142
110	Gas-Phase Infrared Spectrum of the Protonated Water Dimer. <i>Science</i> , 2003, 299, 1375-1377.	6.0	387
111	Triplet states in oligomeric materials: Electron energy loss spectroscopy of thiophene and bithiophene and extrapolation to the polymer. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 827-833.	1.3	26
112	Probing a strong hydrogen bond with infrared spectroscopy: Vibrational predissociation of BrHBr <sup>+</sup> ·Ar. <i>Journal of Chemical Physics</i> , 2003, 118, 5275-5278.	1.2	48
113	Mass-selected infrared photodissociation spectroscopy of V <sub>4</sub> O <sub>10</sub> <sup>+</sup> . <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 1101-1104.	1.3	145
114	Gas phase infrared spectroscopy of cluster anions as a function of size: The effect of solvation on hydrogen-bonding in Br <sup>-</sup> ·(HBr) <sub>1,2,3</sub> clusters. <i>Journal of Chemical Physics</i> , 2002, 117, 6493-6499.	1.2	37
115	Vibrational wave packet dynamics in the silver tetramer probed by NeNePo femtosecond pump-probe spectroscopy. <i>European Physical Journal D</i> , 2001, 16, 145-149.	0.6	14
116	Photoelectron spectroscopy of GaX <sub>2</sub> <sup>-</sup> , Ga <sub>2</sub> X <sup>-</sup> , Ga <sub>2</sub> X <sub>2</sub> <sup>-</sup> , and Ga <sub>2</sub> X <sub>3</sub> <sup>-</sup> (X=P,As). <i>Journal of Chemical Physics</i> , 2001, 115, 4620-4631.	1.2	64
117	Characterization of the I <sub>3</sub> radical by anion photoelectron spectroscopy. <i>Journal of Chemical Physics</i> , 1999, 110, 7607-7609.	1.2	30
118	Anion photoelectron spectroscopy of B <sub>2</sub> N <sup>-</sup> . <i>Journal of Chemical Physics</i> , 1999, 111, 8838-8851.	1.2	74
119	Electronic structure of indium phosphide clusters: anion photoelectron spectroscopy of In <sub>x</sub> P <sub>x</sub> <sup>-</sup> and In <sub>x+1</sub> P <sub>x</sub> <sup>-</sup> (x=1-13) clusters. <i>Chemical Physics Letters</i> , 1999, 308, 347-354.	1.2	53
120	The singlet-triplet splittings of NCN. <i>Chemical Physics Letters</i> , 1999, 301, 413-416.	1.2	28
121	Anion photoelectron spectroscopy of small boron nitride clusters: adiabatic detachment energies and vibrational frequencies of low-lying electronic states in B <sub>2</sub> N and B <sub>3</sub> N. <i>European Physical Journal D</i> , 1999, 9, 257-261.	0.6	12
122	Vibrationally resolved anion photoelectron spectra of the low-lying electronic states of GaP <sub>2</sub> <sup>-</sup> , Ga <sub>2</sub> P <sup>-</sup> , and Ga <sub>2</sub> P <sub>3</sub> <sup>-</sup> . <i>European Physical Journal D</i> , 1999, 9, 317-321.	0.6	23
123	Anion photoelectron spectroscopy of B <sub>3</sub> N <sup>-</sup> . <i>Journal of Chemical Physics</i> , 1999, 111, 10491-10500.	1.2	26
124	Anion photoelectron spectroscopy of BN <sup>-</sup> . <i>Chemical Physics Letters</i> , 1998, 295, 75-81.	1.2	40
125	Evolution of electronic structure as a function of size in gallium phosphide semiconductor clusters. <i>Chemical Physics Letters</i> , 1998, 297, 133-140.	1.2	85
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