

# Kit H Bowen

## List of Publications by Year in descending order

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145  
papers

3,720  
citations

117453

34  
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168136

53  
g-index

149  
all docs

149  
docs citations

149  
times ranked

2924  
citing authors

#	ARTICLE	IF	CITATIONS
1	Zwitterion formation in hydrated amino acid, dipole bound anions: How many water molecules are required?. Journal of Chemical Physics, 2003, 119, 10696-10701.	1.2	182
2	Using cluster studies to approach the electronic structure of bulk water: Reassessing the vacuum level, conduction band edge, and band gap of water. Journal of Chemical Physics, 1997, 107, 6023-6031.	1.2	173
3	Onset of Metallic Behavior in Magnesium Clusters. Physical Review Letters, 2002, 89, 213403.	2.9	142
4	Low-Overpotential Electroreduction of Carbon Monoxide Using Copper Nanowires. ACS Catalysis, 2017, 7, 4467-4472.	5.5	137
5	On the Existence of Designer Magnetic Superatoms. Journal of the American Chemical Society, 2013, 135, 4856-4861.	6.6	108
6	Magic numbers in copper-doped aluminum cluster anions. Journal of Chemical Physics, 2001, 114, 5514-5519.	1.2	99
7	Vibronic effects in the photon energy-dependent photoelectron spectra of the CH <sub>3</sub> CN <sup>-</sup> dipole-bound anion. Journal of Chemical Physics, 1996, 104, 6976-6983.	1.2	87
8	CO <sub>2</sub> Hydrogenation to Formate and Formic Acid by Bimetallic Palladium-Copper Hydride Clusters. Journal of the American Chemical Society, 2020, 142, 7930-7936.	6.6	79
9	Electron-Driven Acid-Base Chemistry: Proton Transfer from Hydrogen Chloride to Ammonia. Science, 2008, 319, 936-939.	6.0	73
10	Identifying the Hydrogenated Planar Tetracoordinate Carbon: A Combined Experimental and Theoretical Study of CAl <sub>4</sub> H and CAl <sub>4</sub> H <sup>+</sup> . Journal of Physical Chemistry Letters, 2017, 8, 2263-2267.	2.1	72
11	CO <sub>2</sub> Activation and Hydrogenation by PtH <sub>n</sub> <sup>-</sup> Cluster Anions. Angewandte Chemie - International Edition, 2016, 55, 9644-9647.	7.2	70
12	Photoelectron spectroscopy of the solvated anion clusters O <sup>-</sup> (Ar) <sub>n=1</sub> : Energetics and structure. Journal of Chemical Physics, 1995, 102, 39-47.	1.2	69
13	Negative ion photoelectron spectroscopy of the ground state, dipole-bound dimeric anion, (HF) <sub>2</sub> <sup>-</sup> . Journal of Chemical Physics, 1997, 107, 2962-2967.	1.2	66
14	Solvent-induced stabilization of the naphthalene anion by water molecules: A negative cluster ion photoelectron spectroscopic study. Journal of Chemical Physics, 2000, 112, 6643-6648.	1.2	65
15	Dipole-bound anions of highly polar molecules: Ethylene carbonate and vinylene carbonate. Journal of Chemical Physics, 2004, 120, 685-690.	1.2	63
16	How to Find Out Whether a 5-Substituted Uracil Could Be a Potential DNA Radiosensitizer. Journal of Physical Chemistry Letters, 2013, 4, 2853-2857.	2.1	59
17	Barrier-free intermolecular proton transfer induced by excess electron attachment to the complex of alanine with uracil. Journal of Chemical Physics, 2004, 120, 6064-6071.	1.2	55
18	Intrinsic electrophilic properties of nucleosides: Photoelectron spectroscopy of their parent anions. Journal of Chemical Physics, 2007, 127, 084321.	1.2	55

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19	PtZnH <sub>5</sub> <sup>+</sup> , A $\eta^5$ -Aromatic Cluster. Journal of Physical Chemistry Letters, 2014, 5, 1596-1601.	2.1	52
20	Photoelectron spectroscopy of naphthalene cluster anions. Journal of Chemical Physics, 2002, 116, 4477-4481.	1.2	50
21	Barrier-free proton transfer in anionic complex of thymine with glycine. Physical Chemistry Chemical Physics, 2004, 6, 4351-4357.	1.3	49
22	Sb@Ni <sub>12</sub> @Sb <sub>20</sub> <sup>+</sup> and Sb@Pd <sub>12</sub> @Sb <sub>20</sub> <sup>n</sup> Cluster Anions, Where $n = +1, -1, -3, -4$ : Multi-Oxidation-State Clusters of Interpenetrating Platonic Solids. Journal of the American Chemical Society, 2017, 139, 619-622.	6.6	48
23	Realization of Lewis Basic Sodium Anion in the NaBH <sub>3</sub> <sup>-</sup> Cluster. Angewandte Chemie - International Edition, 2019, 58, 13789-13793.	7.2	46
24	Photoelectron spectroscopic and computational study of (M <sup>-</sup> CO <sub>2</sub> ) <sup>-</sup> anions, M = Cu, Ag, Au. Journal of Chemical Physics, 2015, 143, 174305.	1.2	45
25	Mystery of Three Borides: Differential Metal-Boron Bonding Governing Superhard Structures. Chemistry of Materials, 2017, 29, 9892-9896.	3.2	45
26	Photoelectron spectrum of valence anions of uracil and first-principles calculations of excess electron binding energies. Journal of Chemical Physics, 2008, 129, 054309.	1.2	40
27	Electronic structure and properties of isoelectronic magic clusters: Al <sub>13</sub> X <sup>-</sup> (X=H,Au,Li,Na,K,Rb,Cs). Journal of Chemical Physics, 2010, 133, 124308.	1.2	40
28	SmB <sub>6</sub> <sup>-</sup> Cluster Anion: Covalency Involving f Orbitals. Journal of Physical Chemistry A, 2017, 121, 1849-1854.	1.1	40
29	Anion solvation at the microscopic level: Photoelectron spectroscopy of the solvated anion clusters, NO <sup>-</sup> (Y) <sub>n</sub> , where Y=Ar, Kr, Xe, N <sub>2</sub> O, H <sub>2</sub> S, NH <sub>3</sub> , H <sub>2</sub> O, and C <sub>2</sub> H <sub>4</sub> (OH) <sub>2</sub> . Journal of Chemical Physics, 2002, 116, 7926-7938.	1.2	39
30	Photoelectron spectroscopy of lithium hydride anion. Journal of Chemical Physics, 1994, 100, 1884-1888.	1.2	37
31	Photoelectron spectroscopy of hydrated adenine anions. Journal of Chemical Physics, 2007, 127, 224309.	1.2	37
32	Valence Anions in Complexes of Adenine and 9-Methyladenine with Formic Acid: $\Delta$ Stabilization by Intermolecular Proton Transfer. Journal of the American Chemical Society, 2007, 129, 1216-1224.	6.6	37
33	Aluminum Zintl anion moieties within sodium aluminum clusters. Journal of Chemical Physics, 2014, 140, 054301.	1.2	37
34	The viability of aluminum Zintl anion moieties within magnesium-aluminum clusters. Journal of Chemical Physics, 2014, 140, 124309.	1.2	35
35	Intramolecular electron-induced proton transfer and its correlation with excited-state intramolecular proton transfer. Nature Communications, 2019, 10, 1170.	5.8	33
36	Photoelectron spectroscopy of nickel-benzene cluster anions. Journal of Chemical Physics, 2005, 122, 044306.	1.2	32

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37	Catalytic Dehydration of 2-Propanol by Size-Selected (WO <sub>3</sub> ) <sub>n</sub> and (MoO <sub>3</sub> ) <sub>n</sub> Metal Oxide Clusters. <i>Journal of Physical Chemistry C</i> , 2014, 118, 29278-29286.	1.5	32
38	Aluminum chain in Li <sub>2</sub> Al <sub>3</sub> H <sub>8</sub> <sup>+</sup> as suggested by photoelectron spectroscopy and ab initio calculations. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 26079-26083.	1.3	32
39	Mn <sup>+</sup> clusters: Size-induced transition to half metallicity. <i>Physical Review B</i> , 2006, 74, .	1.1	31
40	Ab initio and anion photoelectron studies of Rh <sub>n</sub> (n = 1 - 9) clusters. <i>European Physical Journal D</i> , 2013, 67, 1.	0.6	31
41	Realization of an Al-Al Triple Bond in the Gas-Phase Na <sub>3</sub> Al <sub>2</sub> <sup>+</sup> Cluster via Double Electronic Transmutation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14060-14064.	7.2	29
42	Effect of Hydrogen Bonding on Barrier-Free Proton Transfer in Anionic Complexes of Uracil with Weak Acids: (U <sup>-</sup>  HCN) <sup>+</sup> versus (U <sup>-</sup>  H <sub>2</sub> S) <sup>+</sup> . <i>Israel Journal of Chemistry</i> , 2004, 44, 157-170.	1.0	28
43	Communications: Chain and double-ring polymeric structures: Observation of Al <sub>n</sub> H <sub>3n+1</sub> <sup>+</sup> (n=4-8) and Al <sub>4</sub> H <sub>14</sub> <sup>+</sup> . <i>Journal of Chemical Physics</i> , 2010, 132, 241103.	1.2	28
44	CO <sub>2</sub> Activation and Hydrogenation by Pt <sub>n</sub> <sup>+</sup> Cluster Anions. <i>Angewandte Chemie</i> , 2016, 128, 9796-9799.	1.6	28
45	Selective Activation of the C-H Bond in Methane by Single Platinum Atomic Anions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7773-7777.	7.2	27
46	Title is missing!. <i>Journal of Cluster Science</i> , 1999, 10, 525-532.	1.7	25
47	Photoelectron spectroscopy of the aluminum hydride anions: AlH <sub>2</sub> <sup>+</sup> , AlH <sub>3</sub> <sup>+</sup> , Al <sub>2</sub> H <sub>6</sub> <sup>+</sup> , Al <sub>3</sub> H <sub>9</sub> <sup>+</sup> , and Al <sub>4</sub> H <sub>12</sub> <sup>+</sup> . <i>Journal of Chemical Physics</i> , 2013, 138, 124303.	1.2	25
48	Dipole-bound anions: formed by Rydberg electron transfer (RET) and studied by velocity map imaging-anion photoelectron spectroscopy (VMI-aPES). <i>European Physical Journal D</i> , 2018, 72, 1.	0.6	25
49	The Existence of a Designer Al=Al Double Bond in the LiAl <sub>2</sub> H <sub>4</sub> <sup>+</sup> Cluster Formed by Electronic Transmutation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16593-16596.	7.2	24
50	Dipole-Bound Anions of Intramolecular Complexes. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1284-1289.	2.1	24
51	Tuning the electronic properties of hexanuclear cobalt sulfide superatoms via ligand substitution. <i>Chemical Science</i> , 2019, 10, 1760-1766.	3.7	24
52	Simultaneous Functionalization of Methane and Carbon Dioxide Mediated by Single Platinum Atomic Anions. <i>Journal of the American Chemical Society</i> , 2020, 142, 21556-21561.	6.6	24
53	Photoelectron spectroscopic and computational studies of the Pt@Pb <sub>101</sub> - and Pt@Pb <sub>121</sub> - anions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 14757-14762.	3.3	23
54	Communication: Water activation and splitting by single metal-atom anions. <i>Journal of Chemical Physics</i> , 2018, 149, 221101.	1.2	22

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55	The metallo-formate anions, $M(\text{CO})_2^{\ominus}$ , $M = \text{Ni, Pd, Pt}$ , formed by electron-induced $\text{CO}_2$ activation. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 10955-10960.	1.3	22
56	Photoelectron spectroscopy of color centers in negatively charged cesium iodide nanocrystals. <i>Journal of Chemical Physics</i> , 1995, 102, 57-66.	1.2	21
57	Photoelectron spectroscopy of boron aluminum hydride cluster anions. <i>Journal of Chemical Physics</i> , 2014, 140, 164317.	1.2	21
58	Photoelectron spectroscopic and theoretical study of the $[\text{HPd}(\eta^2\text{-H}_2)]^{\ominus}$ cluster anion. <i>Journal of Chemical Physics</i> , 2015, 143, 094307.	1.2	21
59	Stabilizing Otherwise Unstable Anions with Halogen Bonding. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9897-9900.	7.2	21
60	Electronic Transmutation (ET): Chemically Turning One Element into Another. <i>Chemistry - A European Journal</i> , 2018, 24, 9200-9210.	1.7	21
61	Adsorption and decomposition of dimethyl methylphosphonate on size-selected $(\text{MoO})_3$ clusters. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 4840-4850.	1.3	21
62	Reply to the Comment on "Realization of Lewis Basic Sodium Anion in the $\text{NaBH}_3^{\ominus}$ Cluster". <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8760-8764.	7.2	21
63	Intermolecular proton transfer induced by excess electron attachment to adenine(formic acid) <sub>n</sub> (n=2, 3). <i>TJ ETQq1 1 0,784314 rgBT /Ov</i>	0.9	20
64	Observation of the dipole- and quadrupole-bound anions of 1,4-dicyanocyclohexane. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 18310-18315.	1.3	20
65	Thermal desorption of dimethyl methylphosphonate from $\text{MoO}_3$ . <i>Journal of Lithic Studies</i> , 2017, 3, 112-118.	0.1	19
66	Evolution of superhalogen properties in $\text{PtCl}_n$ clusters. <i>Journal of Chemical Physics</i> , 2012, 136, 194305.	1.2	18
67	Photoelectron Spectroscopic and Computational Study of Pyridine-Ligated Gold Cluster Anions. <i>Journal of Physical Chemistry A</i> , 2017, 121, 5817-5822.	1.1	18
68	Photoelectron spectroscopic study of dipole-bound and valence-bound nitromethane anions formed by Rydberg electron transfer. <i>Journal of Chemical Physics</i> , 2020, 153, 044307.	1.2	18
69	Realization of Lewis Basic Sodium Anion in the $\text{NaBH}_3^{\ominus}$ Cluster. <i>Angewandte Chemie</i> , 2019, 131, 13927-13931.	1.6	17
70	Spectroscopic Measurement of a Halogen Bond Energy. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11400-11403.	7.2	17
71	Stable Valence Anions of Nucleic Acid Bases and DNA Strand Breaks Induced by Low Energy Electrons. <i>Challenges and Advances in Computational Chemistry and Physics</i> , 2008, , 619-667.	0.6	15
72	Photoelectron spectra and structure of the $\text{Mn}^{\ominus}$ anions ( $n = 2-16$ ). <i>Journal of Chemical Physics</i> , 2015, 143, 044306.	1.2	15

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73	The onset of electron-induced proton-transfer in hydrated azabenzene cluster anions. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 704-712.	1.3	14
74	Adsorption and Decomposition of DMMP on Size-Selected ( $W_{O_3}$ ) <sub>3</sub> Clusters. <i>ChemistrySelect</i> , 2018, 3, 3718-3721.	0.7	13
75	Ligand Effect on the Electronic Structure of Cobalt Sulfide Clusters: A Combined Experimental and Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2019, 123, 25121-25127.	1.5	13
76	The electron affinity of the uranium atom. <i>Journal of Chemical Physics</i> , 2021, 154, 224307.	1.2	13
77	The PtAl <sup>-</sup> and PtAl <sub>2</sub> <sup>-</sup> anions: Theoretical and photoelectron spectroscopic characterization. <i>Journal of Chemical Physics</i> , 2014, 140, 164316.	1.2	12
78	Communication: Remarkable electrophilicity of the oxalic acid monomer: An anion photoelectron spectroscopy and theoretical study. <i>Journal of Chemical Physics</i> , 2014, 140, 221103.	1.2	12
79	Photoelectron Spectroscopic and Computational Study of Hydrated Pyrimidine Anions. <i>Journal of Physical Chemistry A</i> , 2014, 118, 11901-11907.	1.1	12
80	Carbon dioxide is tightly bound in the [Co(Pyridine)(CO <sub>2</sub> )] <sup>-</sup> anionic complex. <i>Journal of Chemical Physics</i> , 2015, 143, 184315.	1.2	12
81	CO <sub>2</sub> binding in the (quinoline-CO <sub>2</sub> ) <sup>-</sup> anionic complex. <i>Journal of Chemical Physics</i> , 2015, 142, 234307.	1.2	12
82	Realization of an Al <sub>3</sub> Al Triple Bond in the Gas-Phase Na <sub>3</sub> Al <sub>2</sub> <sup>-</sup> Cluster via Double Electronic Transmutation. <i>Angewandte Chemie</i> , 2018, 130, 14256-14260.	1.6	12
83	The ground state, quadrupole-bound anion of succinonitrile revisited. <i>Journal of Chemical Physics</i> , 2019, 151, 101101.	1.2	12
84	Outlaw Dipole-Bound Anions of Intra-Molecular Complexes. <i>Journal of the American Chemical Society</i> , 2020, 142, 2001-2011.	6.6	12
85	Boron-Made N <sub>2</sub> : Realization of a B <sub>2</sub> Triple Bond in the B <sub>2</sub> Al <sub>3</sub> <sup>-</sup> Cluster. <i>Chemistry - A European Journal</i> , 2020, 26, 8017-8021.	1.7	12
86	Importance of Time Scale and Local Environment in Electron-Driven Proton Transfer. The Anion of Acetoacetic Acid. <i>Journal of the American Chemical Society</i> , 2015, 137, 14329-14340.	6.6	11
87	Selective Activation of the C-H Bond in Methane by Single Platinum Atomic Anions. <i>Angewandte Chemie</i> , 2019, 131, 7855-7859.	1.6	11
88	Reply to the Comment on "Realization of Lewis Basic Sodium Anion in the NaBH <sub>3</sub> <sup>-</sup> Cluster". <i>Angewandte Chemie</i> , 2020, 132, 8840-8844.	1.6	11
89	Anionic Activation of CO <sub>2</sub> via (M) <sub>n</sub> CO <sub>2</sub> <sup>-</sup> Complex on Magic-Numbered Anionic Coinage Metal Clusters (M =) Tj ETQq1 1 0.784314 rg	1.7	11
90	Metal-Metal Bonding in Actinide Dimers: U <sub>2</sub> and U <sub>2</sub> <sup>-</sup> . <i>Journal of the American Chemical Society</i> , 2021, 143, 17023-17028.	6.6	11

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91	Ab initio and anion photoelectron study of Au <sub>n</sub> Rh <sub>m</sub> (n = 1–7, m = 1–2) clusters. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 28219-28227.	1.3	10
92	Photoelectron spectroscopic study of carbon aluminum hydride cluster anions. <i>Journal of Chemical Physics</i> , 2016, 145, 154305.	1.2	10
93	The Existence of a Designer Al=Al Double Bond in the LiAl <sub>2</sub> H <sub>4</sub> Cluster Formed by Electronic Transmutation. <i>Angewandte Chemie</i> , 2017, 129, 16820-16823.	1.6	10
94	The correlation-bound anion of <i>p</i> -chloroaniline. <i>Journal of Chemical Physics</i> , 2019, 150, 161103.	1.2	10
95	CO <sub>2</sub> Activation and Hydrogenation by Palladium Hydride Cluster Anions. <i>Journal of Physical Chemistry A</i> , 2021, 125, 1747-1753.	1.1	10
96	Stable Parent Anions of Dopamine and Adrenaline: A New Form of Neurotransmitters. <i>Journal of Physical Chemistry B</i> , 2019, 123, 7695-7699.	1.2	9
97	Gas-phase CO <sub>2</sub> activation with single electrons, metal atoms, clusters, and molecules. <i>Journal of Energy Chemistry</i> , 2021, 63, 130-137.	7.1	9
98	Interaction of Th with H <sup>+</sup> O <sup>+</sup> : Combined Experimental and Theoretical Thermodynamic Properties. <i>Journal of Physical Chemistry A</i> , 2022, 126, 198-210.	1.1	9
99	Aluminum hydride cluster cations: A mass spectrometric and computational study. <i>International Journal of Mass Spectrometry</i> , 2016, 408, 56-61.	0.7	8
100	Self-assembly of (WO <sub>3</sub> ) <sub>3</sub> clusters on a highly oriented pyrolytic graphite surface and nanowire formation: a combined experimental and theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 31168-31176.	1.3	8
101	Stabilizing Otherwise Unstable Anions with Halogen Bonding. <i>Angewandte Chemie</i> , 2017, 129, 10029-10032.	1.6	8
102	Borane-Aluminum Surface Interactions: Enhanced Fracturing and Generation of Borane-Aluminum Core-Shell Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14176-14190.	1.5	8
103	Enormous Hydrogen Bond Strength Enhancement through $\pi$ -Conjugation Gain: Implications for Enzyme Catalysis. <i>Biochemistry</i> , 2017, 56, 4318-4322.	1.2	8
104	Activation of hydroxylamine by single gold atomic anions. <i>International Journal of Mass Spectrometry</i> , 2019, 435, 114-117.	0.7	8
105	Mapping the Electronic Structure of the Uranium(VI) Dinitride Molecule, UN <sub>2</sub> . <i>Journal of Physical Chemistry A</i> , 2020, 124, 6486-6492.	1.1	8
106	Th <sub>2</sub> O <sup>+</sup> , Th <sub>2</sub> Au <sup>+</sup> , and Th <sub>2</sub> AuO <sub>1,2</sub> <sup>+</sup> Anions: Photoelectron Spectroscopic and Computational Characterization of Energetics and Bonding. <i>Journal of Physical Chemistry A</i> , 2021, 125, 258-271.	1.1	8
107	Barrier-free proton transfer induced by electron attachment to the complexes between 1-methylcytosine and formic acid. <i>Molecular Physics</i> , 2010, 108, 2621-2631.	0.8	7
108	Photoelectron spectrum of a polycyclic aromatic nitrogen heterocyclic anion: quinoline <sup>-</sup> . <i>Molecular Physics</i> , 2015, 113, 2095-2098.	0.8	7

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109	Combined TPD and XPS Study of Ligation and Decomposition of 1,6-Hexanedithiol on Size-Selected Copper Clusters Supported on HOPG. <i>Journal of Physical Chemistry C</i> , 2018, 122, 2173-2183.	1.5	7
110	Thermal Decomposition of Dimethyl Methylphosphonate on Size-Selected Clusters: A Comparative Study between Copper Metal and Cupric Oxide Clusters. <i>Journal of Physical Chemistry C</i> , 2021, 125, 11348-11358.	1.5	7
111	Photoelectron spectroscopic study of iron-pyrene cluster anions. <i>Journal of Chemical Physics</i> , 2011, 135, 204301.	1.2	6
112	$K[Al_4(PPh)_2]_7PPh$ : An Al <sup>II</sup> Phosphanide / Phosphinidene Intermediate on the Path to AlP Formation. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 2558-2560.	0.6	6
113	Study of the Reaction of Hydroxylamine with Iridium Atomic and Cluster Anions ( $n = 1-5$ ). <i>Journal of Physical Chemistry A</i> , 2021, 125, 5922-5932.	1.1	6
114	Parent Anions of Iron, Manganese, and Nickel Tetraphenyl Porphyrins: Photoelectron Spectroscopy and Computations. <i>Journal of Physical Chemistry A</i> , 2015, 119, 8643-8646.	1.1	5
115	A photoelectron spectroscopic and computational study of the <i>o</i> -dicarbadodecaborane parent anion. <i>Journal of Chemical Physics</i> , 2016, 144, 224311.	1.2	5
116	Low oxidation state aluminum-containing cluster anions: $Cp^--Al_nH_n^+$ , $n = 1-3$ . <i>Journal of Chemical Physics</i> , 2016, 145, 074305.	1.2	5
117	Electron Binding Energy Spectra of $Al_nMo^+$ Clusters: Measurements, Calculations, and Theoretical Analysis. <i>Journal of Physical Chemistry C</i> , 2019, 123, 7810-7817.	1.5	5
118	Adsorption and Decomposition of Dimethyl Methylphosphonate on Size-Selected Zirconium Oxide Trimer Clusters. <i>Journal of Physical Chemistry C</i> , 2021, 125, 23688-23698.	1.5	5
119	Experimental and Computational Description of the Interaction of H and $H^+$ with U. <i>Journal of Physical Chemistry A</i> , 2022, 126, 4432-4443.	1.1	5
120	Excess Electron Attachment to the Nucleoside Pair 2-Deoxyadenosine (dA)-2-Deoxythymidine (dT). <i>Journal of Physical Chemistry B</i> , 2016, 120, 4955-4962.	1.2	4
121	Ab initio study on anomalous structures of anionic [(N-heterocycle)-CO <sub>2</sub> ] <sup>-</sup> complexes. <i>Journal of Chemical Physics</i> , 2017, 146, 134304.	1.2	4
122	Designer Metallic Acceptor-Containing Halogen Bonds: General Strategies. <i>Chemistry - A European Journal</i> , 2017, 23, 5439-5442.	1.7	4
123	Mechanistic Studies of $[AlCp^*]_4$ Combustion. <i>Inorganic Chemistry</i> , 2018, 57, 8181-8188.	1.9	4
124	Excess electrons bound to $H_2S$ trimer and tetramer clusters. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 3273-3280.	1.3	4
125	ThH 5 : An Actinide-Containing Superhalogen Molecule. <i>ChemPhysChem</i> , 2021, 22, 5-8.	1.0	4
126	Spectroscopic Measurement of a Halogen Bond Energy. <i>Angewandte Chemie</i> , 2019, 131, 11522-11525.	1.6	3



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127	Molecular-level electrocatalytic CO <sub>2</sub> reduction reaction mediated by single platinum atoms. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 4226-4231.	1.3	3
128	Molecular Properties of Thorium Hydrides: Electron Affinities and Thermochemistry. <i>Journal of Physical Chemistry A</i> , 2022, 126, 2388-2396.	1.1	3
129	Electron Binding Energy Spectra of Al <sub>n</sub> Pt <sup>+</sup> Clusters: A Combined Experimental and Computational Study. <i>Journal of Physical Chemistry A</i> , 0, , .	1.1	3
130	Valence Anions of DNA-Related Systems in the Gas Phase: Computational and Anion Photoelectron Spectroscopy Studies. , 2014, , 323-392.		2
131	Oxidation and decomposition mechanisms of air sensitive aluminum clusters at high heating rates. <i>Chemical Physics Letters</i> , 2016, 661, 168-172.	1.2	2
132	Polarization of electrostatic charge in neutral Ag-Au alloy clusters. <i>Chemical Physics Letters</i> , 2018, 709, 7-10.	1.2	2
133	Photoelectron Spectroscopic and <i>ab Initio</i> Computational Studies of the Anion, HThO <sup>+</sup> . <i>Journal of Physical Chemistry A</i> , 2021, 125, 1903-1909.	1.1	2
134	Photoelectron Spectroscopic Study of Ascorbate and Deprotonated Ascorbate Anions Using an Electrospray Ion Source and a Cryogenically Cooled Ion Trap. <i>Journal of Physical Chemistry A</i> , 2021, 125, 7699-7704.	1.1	2
135	ThAu <sub>2</sub> <sup>+</sup> , ThAu <sub>2</sub> O <sup>+</sup> , and ThAuOH <sup>+</sup> anions: Photoelectron spectroscopic and theoretical characterization. <i>Journal of Chemical Physics</i> , 2022, 156, 054305.	1.2	2
136	Trapping of H <sub>2</sub> <sup>+</sup> in aluminum hydride, Al <sub>4</sub> H <sub>14</sub> <sup>+</sup> . <i>Journal of Chemical Physics</i> , 2021, 155, 121101.	1.2	1
137	Photoelectron Spectroscopic and Computational Study of the Deprotonated Gallic Acid and Propyl Gallate Anions. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 1355-1361.	1.2	1
138	Combined photoelectron, collision-induced dissociation, and computational studies of parent and fragment anions of N-paranitrophenylsulfonylalanine and N-paranitrophenylalanine. <i>Journal of Chemical Physics</i> , 2013, 139, 224308.	1.2	0
139	Negative ion properties of trans-2,2,6,6-tetrafluoroazobenzene: Experiment and theory. <i>Journal of Chemical Physics</i> , 2015, 143, 114303.	1.2	0
140	Frontispiece: Electronic Transmutation (ET): Chemically Turning One Element into Another. <i>Chemistry - A European Journal</i> , 2018, 24, .	1.7	0
141	Magic Clusters PtMg <sub>2,3</sub> H <sub>5</sub> <sup>+</sup> Facilitated by Local $\pi$ -Aromaticity. <i>ChemPhysChem</i> , 2020, 21, 2388-2391.	1.0	0
142	Ligated aluminum cluster anions, Al <sub>n</sub> <sup>+</sup> (n = 14, L =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 T	1.3	0
143	Electrophilic Properties of 2-Deoxyadenosine-Thymine Dimer: Photoelectron Spectroscopy and DFT Studies. <i>Journal of Physical Chemistry A</i> , 2021, 125, 6591-6599.	1.1	0
144	A Combined Theoretical and Photoelectron Spectroscopy Study of Al <sub>3</sub> H <sub>n</sub> <sup>+</sup> (n = 1-9) clusters. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021, 647, 1840-1848.	0.6	0

#	ARTICLE	IF	CITATIONS
145	The gas phase reaction of iridium and iridium carbide anions with 2-hydroxyethylhydrazine (HEH). International Journal of Mass Spectrometry, 2022, , 116875.	0.7	0