Xue-Bin Wang

List of Publications by Year
in descending order

170 papers	6,043 citations	61857 43 h-index	85405 71 g-index
175 all docs	175 docs citations	175 times ranked	3922 citing authors

#	Article	IF	Citations
1	Functionalization of Electrodes with Tunable [EMIM]_x[Cl]_{x+1}^{â€“} Ionic Liquid Clusters for Electrochemical Separations. Chemistry of Materials, 2022, 34, 2612-2623.	3.2	5
2	Guanosine Dianions Hydrated by One to Four Water Molecules. Journal of Physical Chemistry Letters, 2022, , 3230-3236.	2.1	4
3	Metallofullerene photoswitches driven by photoinduced fullerene-to-metal electron transfer. Chemical Science, 2021, 12, 7818-7838.	3.7	7
4	Gaseous cyclodextrin-closo-dodecaborate complexes Ï‡CDÂ·B₁₂X₁₂^{2â^’} (Ï‡ = Î±, Î², and Î³; X = F, Cl, Br, and I): electronic structures and intramolecular interactions. Physical Chemistry Chemical Physics, 2021, 23, 13447-13457.	2.3	8
5	Cryogenic Vibrationally Resolved Photoelectron Spectroscopy of OH^{â€“}(H₂O): Confirmation of Multidimensional Franckâ€“Condon Simulation Results for the Transition State of the OH + H₂O Reaction. Journal of Physical Chemistry A, 2021, 125, 2154-2162.	1.1	3
6	Observation of Conformational Simplification upon N-Methylation on Amino Acid Iodide Clusters. Journal of Physical Chemistry Letters, 2021, 12, 2780-2787.	2.1	4
7	Photoelectron Spectroscopy and Theoretical Study on Monosolvated Cyanate Analogue Clusters ECX^{â€“}Â·Sol (ECX^{â€“} = NCSe^{â€“}, AsCSe^{â€“}, and) Tj ETQq1 1 0.784314 rgBT /Over 125, 3928-3935.	1.1	3
8	Measuring Electronic Structure of Multiply Charged Anions to Understand Their Chemistry: A Case Study on Gaseous Polyhedral closo-Borate Dianions. Journal of Physical Chemistry A, 2021, 125, 6653-6661.	1.1	2
9	Developing Ideal Metalorganic Hydrides for Hydrogen Storage: From Theoretical Prediction to Rational Fabrication. , 2021, 3, 1417-1425.		13
10	Assessment of DFT methods for the prediction of detachment energies and electronic structures of complex and multiply charged anions. Computational and Theoretical Chemistry, 2021, 1202, 113295.	1.1	4
11	Photoelectron Spectroscopy and Theoretical Investigations of Gaseous Doubly Deprotonated 2â€²-Deoxynucleoside 5â€²-Monophosphate Dianions. Journal of Physical Chemistry Letters, 2021, 12, 9463-9469.	2.1	5
12	Electron Affinity and Electronic Structure of Hexafluoroacetone (HFA) Revealed by Photodetaching the [HFA]^{â€¢â€“} Radical Anion. Journal of Physical Chemistry A, 2021, 125, 746-753.	1.1	4
13	Observation and Exploitation of Spinâ€“Orbit Excited Dipole-Bound States in Ionâ€“Molecule Clusters. Journal of Physical Chemistry Letters, 2021, 12, 11022-11028.	2.1	4
14	Isolated [B₂(CN)₆]^{2â€“}: Small Yet Exceptionally Stable Nonmetal Dianion. Journal of Physical Chemistry Letters, 2021, 12, 12005-12011.	2.1	2
15	Synthesis, Electronic Properties and Reactivity of [B₁₂X₁₁(NO₂)]^{2â^’} (X=Fâ€“I) Dianions. Chemistry - A European Journal, 2020, 26, 14594-14601.	1.7	9
16	Distonic radical anion species in cysteine oxidation processes. Physical Chemistry Chemical Physics, 2020, 22, 17554-17558.	1.3	5
17	Properties of gaseous closo-[B₆X₆]^{2â^’} dianions (X = Cl, Br,) Tj ETQq1 1 0.784314 rgBT /O	1.3	12
18	Molecular Specificity and Proton Transfer Mechanisms in Aerosol Prenucleation Clusters Relevant to New Particle Formation. Accounts of Chemical Research, 2020, 53, 2816-2827.	7.6	14

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19	Cryogenic â€œIodide-Taggingâ€•Photoelectron Spectroscopy: A Sensitive Probe for Specific Binding Sites of Amino Acids. Journal of Physical Chemistry Letters, 2020, 11, 4346-4352.	2.1	15
20	Spectroscopic evidence for intact carbonic acid stabilized by halide anions in the gas phase. Physical Chemistry Chemical Physics, 2020, 22, 19459-19467.	1.3	10
21	Photoelectron spectroscopy and computational investigations of the electronic structures and noncovalent interactions of cyclodextrin-closo-dodecaborate anion complexes Ï‡-CDÂ·B₁₂X₁₂^{2â^’} (Ï‡ = Î±, Î², Î³; X = H, F). Physical Chemistry Chemical Physics, 2020, 22, 7193-7200.	1.3	14
22	Determinants for proton location and electron coupled proton transfer in hydrogen bonded pentafluorophenolâ€“anion clusters. Physical Chemistry Chemical Physics, 2020, 22, 16712-16720.	1.3	0
23	Probing Orientation-Specific Chargeâ€“Dipole Interactions between Hexafluoroisopropanol and Halides: A Joint Photoelectron Spectroscopy and Theoretical Study. Journal of Physical Chemistry A, 2020, 124, 2036-2045.	1.1	17
24	Cryogenic and temperature-dependent photoelectron spectroscopy of metal complexes. International Reviews in Physical Chemistry, 2020, 39, 83-108.	0.9	24
25	Potassium iodide cluster based superhalogens and superalkalis: Theoretical calculations and experimental confirmation. Chemical Physics Letters, 2020, 741, 137094.	1.2	6
26	Velocity-Map Imaging and Magnetic-Bottle Photoelectron Spectroscopy of [SeCCH]^{â^’}: Electronic Properties and Spinâ€“Orbit Splitting. Journal of Physical Chemistry A, 2020, 124, 3214-3219.	1.1	2
27	Photoelectron Spectroscopy and Theoretical Studies of PCSe â^’ , AsCS â^’ , AsCSe â^’ , and NCSe â^’ : Insights into the Electronic Structures of the Whole Family of ECX â^’ Anions (E=N, P, As; X=O, S, Se). Angewandte Chemie, 2019, 131, 15206-15212.	1.6	3
28	Photoelectron Spectroscopy and Theoretical Studies of PCSe â^’ , AsCS â^’ , AsCSe â^’ , and NCSe â^’ : Insights into the Electronic Structures of the Whole Family of ECX â^’ Anions (E=N, P, As; X=O, S, Se). Angewandte Chemie - International Edition, 2019, 58, 15062-15068.	7.2	13
29	Macrocycleâ€Directed Construction of Tetrahedral Anionâ€“Ï€ Receptors for Nesting Anions with Complementary Geometry. Chemistry - A European Journal, 2019, 25, 13275-13279.	1.7	12
30	PAH/PAH(CF 3) n Donor/Acceptor Chargeâ€Transfer Complexes in Solution and in Solidâ€State Coâ€Crystals. Chemistry - A European Journal, 2019, 25, 13547-13565.	1.7	7
31	Going large(r): general discussion. Faraday Discussions, 2019, 217, 476-513.	1.6	1
32	Controlling internal degrees: general discussion. Faraday Discussions, 2019, 217, 138-171.	1.6	1
33	Electronic structures and binding motifs of sodium polysulfide clusters NaSnâ^’ (n = 5â€“9): A joint negative ion photoelectron spectroscopy and computational investigation. Journal of Chemical Physics, 2019, 150, 244305.	1.2	4
34	Frontispiece: Photoelectron Spectroscopy and Theoretical Studies of PCSe^{â^’}, AsCS^{â^’}, AsCSe^{â^’}, and NCSe^{â^’}: Insights into the Electronic Structures of the Whole Family of ECX^{â^’} Anions (E=N, P, As; X=O, S, Se). Angewandte Chemie - International Edition, 2019, 58, .	7.2	0
35	Spectroscopic Signature of Proton Location in Proton Bound HSO₄^{â€“}Â·H⁺Â·X^{â€“} (X = F, Cl, Br, and I) Clusters. Journal of Physical Chemistry Letters, 2019, 10, 6714-6719.	2.1	17
36	Properties of perhalogenated {closo-B₁₀} and {closo-B₁₁} multiply charged anions and a critical comparison with {closo-B₁₂} in the gas and the condensed phase. Physical Chemistry Chemical Physics, 2019, 21, 5903-5915.	1.3	24

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37	Electrospray ionization photoelectron spectroscopy of cryogenic [EDTAÂ·M(ii)]2â˜ complexes (M = Ca,) Tj ETQq1 1 0.784314 rgBT /Ove	1.6	11
38	A benchmark photoelectron spectroscopic and theoretical study of the electronic stability of [B12H12]2â˜. Journal of Chemical Physics, 2019, 150, 164306.	1.2	29
39	Negative Ion Photoelectron Spectroscopy Confirms the Prediction of a Singlet Ground State for the 1,8-Naphthoquinone Diradical. Journal of Physical Chemistry A, 2019, 123, 3142-3148.	1.1	6
40	Vibronic interaction in CO₃^{â˜} photo-detachment: Jahnâ€“Teller effects beyond structural distortion and general formalisms for vibronic Hamiltonians in trigonal symmetries. Physical Chemistry Chemical Physics, 2019, 21, 8679-8690.	1.3	11
41	Fluorous Fullerene Acceptors in Vacuumâ€Deposited Photovoltaic Cells. Solar Rrl, 2019, 3, 1900070.	3.1	4
42	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
43	Sulfuric acid and aromatic carboxylate clusters H2SO4Â·ArCOOâ˜: Structures, properties, and their relevance to the initial aerosol nucleation. International Journal of Mass Spectrometry, 2019, 439, 27-33.	0.7	8
44	Frontispiz: Photoelectron Spectroscopy and Theoretical Studies of PCSe^{â˜}, AsCS^{â˜}, AsCSe^{â˜}, and NCSe^{â˜}: Insights into the Electronic Structures of the Whole Family of ECX^{â˜} Anions (E=N, P, As; X=O, S, Se). Angewandte Chemie, 2019, 131, .	1.6	0
45	Photoelectron spectroscopy of [Mo6X14]2â˜ dianions (X = Clâ€“I). Journal of Chemical Physics, 2019, 151, 194310.	1.2	3
46	Cyanohydridoborate Anions: Synthesis, Salts, and Lowâ€Viscosity Ionic Liquids. Chemistry - A European Journal, 2019, 25, 3560-3574.	1.7	31
47	Gas phase fragmentation of adducts between dioxygen and closo-borate radical anions. International Journal of Mass Spectrometry, 2019, 436, 71-78.	0.7	5
48	Calculations on 1,8â€naphthoquinone predict that the ground state of this diradical is a singlet. Journal of Computational Chemistry, 2019, 40, 119-126.	1.5	4
49	Calculations of the relative energies of the lowâ€lying electronic states of 2,7â€naphthoquinodimethane and 2,7â€naphthoquinone. Substitution of oxygen for CH₂ is predicted to increase the singletâ€triplet energy difference (Î”E_{ST}). Journal of Physical Organic Chemistry, 2018, 31, e3824.	0.9	4
50	Deviation from the trans-Effect in Ligand-Exchange Reactions of Zeiseâ€™s Ions PtCl₃(C₂H₄)^{â˜} with Heavier Halides (Br^{â€“},) Tj ETQq0 0 0 rgBT /Overl	1.1	1
51	Experimental and DFT Studies of the Electronâ€Withdrawing Ability of Perfluoroalkyl (R F) Groups: Electron Affinities of PAH(R F) n Increase Significantly with Increasing R F Chain Length. Chemistry - A European Journal, 2018, 24, 1441-1447.	1.7	13
52	Photoelectron spectroscopy of solvated dicarboxylate and alkali metal ion clusters, M+[O2C(CH2)2CO2]2â˜ [H2O]n (M = Na, K; n = 1â€“6). Physical Chemistry Chemical Physics, 2018, 20, 29051-29060.	1.3	10
53	Magnetic-Bottle and velocity-map imaging photoelectron spectroscopy of APSâ˜ (A=C14H10 or) Tj ETQq1 1 0.784314 rgBT /Overlock Journal of Chemical Physics, 2018, 31, 463-470.	0.6	3
54	Direct Observation of Hierarchic Molecular Interactions Critical to Biogenic Aerosol Formation. Communications Chemistry, 2018, 1, .	2.0	15

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55	Photoelectron spectroscopic and computational studies of [EDTAÂ·M(<scp>iii</scp>)]^{â^'} complexes (M = H₃, Al, Sc, Vâ€“Co). Physical Chemistry Chemical Physics, 2018, 20, 19458-19469.	1.3	9
56	Negative Ion Photoelectron Spectroscopy Confirms the Prediction of the Relative Energies of the Low-Lying Electronic States of 2,7-Naphthoquinone. Journal of Physical Chemistry A, 2018, 122, 4838-4844.	1.1	5
57	Cluster Model Studies of Anion and Molecular Specificities via Electrospray Ionization Photoelectron Spectroscopy. Journal of Physical Chemistry A, 2017, 121, 1389-1401.	1.1	45
58	Structures and energetics of hydrated deprotonated cis-pinonic acid anion clusters and their atmospheric relevance. Physical Chemistry Chemical Physics, 2017, 19, 10676-10684.	1.3	17
59	Spectroscopic Characterization, Computational Investigation, and Comparisons of ECX^{â€“} (E = As, P, and N; X = S and O) Anions. Journal of the American Chemical Society, 2017, 139, 8922-8930.	6.6	48
60	Experimental and Theoretical Studies of the F^{â€¢} + Hâ€“F Transition-State Region by Photodetachment of [Fâ€“Hâ€“F]^{â^'}. Journal of Physical Chemistry A, 2017, 121, 7895-7902.	1.1	5
61	Electronic Structure and Stability of [B₁₂X₁₂]^{2â€“} (X = Fâ€“At): A Combined Photoelectron Spectroscopic and Theoretical Study. Journal of the American Chemical Society, 2017, 139, 14749-14756.	6.6	60
62	Photoelectron Spectroscopy Study of Quinonimides. Journal of the American Chemical Society, 2017, 139, 11138-11148.	6.6	18
63	Formation of (HCOO^{â€“})(H₂SO₄) Anion Clusters: Violation of Gas-Phase Acidity Predictions. Journal of the American Chemical Society, 2017, 139, 11321-11324.	6.6	22
64	Incremental Tuning Up of Fluorous Phenazine Acceptors. Chemistry - A European Journal, 2016, 22, 3930-3936.	1.7	12
65	Copper Causes Regiospecific Formation of C₄F₈â€Containing Sixâ€Membered Rings and their Defluorination/Aromatization to C₄F₄â€Containing Rings in Triphenylene/1,4â€C₄F₈I₂ Reactions. Chemistry - A European Journal, 2016, 22, 874-877.	1.7	16
66	Regioisomer-specific electron affinities and electronic structures of C70para-adducts at polar and equatorial positions with (bromo)benzyl radicals: photoelectron spectroscopy and theoretical study. Physical Chemistry Chemical Physics, 2016, 18, 18683-18686.	1.3	1
67	Deprotonated Dicarboxylic Acid Homodimers: Hydrogen Bonds and Atmospheric Implications. Journal of Physical Chemistry A, 2016, 120, 2342-2349.	1.1	14
68	Negative ion photoelectron spectroscopy of P₂N₃^{â^'}: electron affinity and electronic structures of P₂N₃Ë™. Chemical Science, 2016, 7, 4667-4675.	3.7	14
69	Negative Ion Photoelectron Spectroscopy Reveals Remarkable Noninnocence of Ligands in Nickel Bis(dithiolene) Complexes [Ni(dddt)2]â^' and [Ni(edo)2]â^'. Journal of Physical Chemistry A, 2016, 120, 2854-2862.	1.1	7
70	A Molecular Precursor to Phosphaethyne and Its Application in Synthesis of the Aromatic 1,2,3,4-Phosphatriazolate Anion. Journal of the American Chemical Society, 2016, 138, 6731-6734.	6.6	40
71	A Joint Experimental and Computational Study of the Negative Ion Photoelectron Spectroscopy of the 1-Phospha-2,3,4-triazolate Anion, HCPN₃^{â€“}. Journal of Physical Chemistry A, 2016, 120, 6228-6235.	1.1	6
72	Anion Binding of One-, Two-, and Three-Armed Thiourea Receptors Examined via Photoelectron Spectroscopy and Quantum Computations. Journal of Physical Chemistry A, 2016, 120, 8309-8316.	1.1	11

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73	Negative ion photoelectron spectra of ISO3â€“, IS2O3â€“, and IS2O4â€“ intermediates formed in interfacial reactions of ozone and iodide/sulfite aqueous microdroplets. Journal of Chemical Physics, 2016, 145, 214310.	1.2	10
74	Examining the structural evolution of bicarbonateâ€“water clusters: insights from photoelectron spectroscopy, basin-hopping structural search, and comparison with available IR spectral studies. Physical Chemistry Chemical Physics, 2016, 18, 17470-17482.	1.3	13
75	Frontispiece: Incremental Tuning Up of Fluorous Phenazine Acceptors. Chemistry - A European Journal, 2016, 22, .	1.7	0
76	Flexible Acyclic Polyol-Chloride Anion Complexes and Their Characterization by Photoelectron Spectroscopy and Variable Temperature Binding Constant Determinations. Journal of Physical Chemistry A, 2016, 120, 1661-1668.	1.1	12
77	Negative ion photoelectron spectroscopy confirms the prediction that D_{3h} carbon trioxide (CO₃) has a singlet ground state. Chemical Science, 2016, 7, 1142-1150.	3.7	19
78	Probing the early stages of solvation of cis-pinate dianions by water, acetonitrile, and methanol: a photoelectron spectroscopy and theoretical study. Physical Chemistry Chemical Physics, 2016, 18, 3628-3637.	1.3	12
79	How Anion Chaotrope Changes the Local Structure of Water: Insights from Photoelectron Spectroscopy and Theoretical Modeling of SCN^{â€“} Water Clusters. Journal of Physical Chemistry B, 2016, 120, 1518-1525.	1.2	20
80	Probing microhydration effect on the electronic structure of the GFP chromophore anion: Photoelectron spectroscopy and theoretical investigations. Journal of Chemical Physics, 2015, 143, 224301.	1.2	18
81	Photoelectron spectroscopy of hexachloroplatinate-nucleobase complexes: Nucleobase excited state decay observed via delayed electron emission. Journal of Chemical Physics, 2015, 143, 184307.	1.2	8
82	Electron Detachment as a Probe of Intrinsic Nucleobase Dynamics in Dianion-Nucleobase Clusters: Photoelectron Spectroscopy of the Platinum II Cyanide Dianion Bound to Uracil, Thymine, Cytosine, and Adenine. Journal of Physical Chemistry B, 2015, 119, 11626-11631.	1.2	9
83	Core Perylene Diimide Designs via Direct Bayâ€•and orthoâ€(Poly)trifluoromethylation: Synthesis, Isolation, Xâ€ray Structures, Optical and Electronic Properties. European Journal of Organic Chemistry, 2015, 2015, 6641-6654.	1.2	26
84	A faux hawk fullerene with PCBM-like properties. Chemical Science, 2015, 6, 1801-1815.	3.7	8
85	Examining the Critical Roles of Protons in Facilitating Oxidation of Chloride Ions by Permanganates: A Cluster Model Study. Journal of Physical Chemistry A, 2015, 119, 6244-6251.	1.1	3
86	Negative Ion Photoelectron Spectroscopy Confirms the Prediction that 1,2,4,5-Tetraoxatetramethylenebenzene Has a Singlet Ground State. Journal of the American Chemical Society, 2015, 137, 9094-9099.	6.6	11
87	Probing the early stages of salt nucleationâ€”Experimental and theoretical investigations of sodium/potassium thiocyanate cluster anions. Journal of Chemical Physics, 2015, 142, 024313.	1.2	10
88	Photoelectron spectroscopy and theoretical studies of anionâ€“Ï€ interactions: binding strength and anion specificity. Physical Chemistry Chemical Physics, 2015, 17, 3131-3141.	1.3	23
89	Fullerene cyanation does not always increase electron affinity: an experimental and theoretical study. Physical Chemistry Chemical Physics, 2015, 17, 551-556.	1.3	9
90	Anion Aâ€“â€¢ HX Clusters with Reduced Electron Binding Energies: Proton vs Hydrogen Atom Relocation upon Electron Detachment. Journal of the American Chemical Society, 2014, 136, 17332-17336.	6.6	13

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91	Molecular recognition: preparation and characterization of two tripodal anion receptors. Organic Chemistry Frontiers, 2014, 1, 54-61.	2.3	13
92	Poly(trifluoromethyl)azulenes: structures and acceptor properties. Chemical Communications, 2014, 50, 6263-6266.	2.2	16
93	The Negative Ion Photoelectron Spectrum of Cyclopropane-1,2,3-Trione Radical Anion, (CO)3â€¢â€“ â€” A Joint Experimental and Computational Study. Journal of the American Chemical Society, 2014, 136, 12345-12354.	6.6	21
94	The Negative Ion Photoelectron Spectrum of meta-Benzoquinone Radical Anion (MBQ^{â€¢â€“}): A Joint Experimental and Computational Study. Journal of the American Chemical Society, 2014, 136, 3589-3596.	6.6	27
95	A Preorganized Hydrogen Bond Network and Its Effect on Anion Stability. Journal of Physical Chemistry A, 2014, 118, 5989-5993.	1.1	7
96	Covalently Bound Tetracoordinated Organoborons as Superhalogens: A Combined Negative Ion Photoelectron Spectroscopy and Theoretical Study. Journal of Physical Chemistry A, 2014, 118, 8074-8080.	1.1	10
97	Vibrationally Resolved Photoelectron Spectroscopy of the Model GFP Chromophore Anion Revealing the Photoexcited S₁ State Being Both Vertically and Adiabatically Bound against the Photodetached D₀ Continuum. Journal of Physical Chemistry Letters, 2014, 5, 2155-2159.	2.1	34
98	Metal-Centered 17-Electron Radicals CpM(CO)₃^{â€¢} (M = Cr, Mo, W): A Combined Negative Ion Photoelectron Spectroscopic and Theoretical Study. Organometallics, 2013, 32, 2084-2091.	1.1	12
99	Hydrogen-Bond Networks: Strengths of Different Types of Hydrogen Bonds and An Alternative to the Low Barrier Hydrogen-Bond Proposal. Journal of the American Chemical Society, 2013, 135, 17919-17924.	6.6	46
100	Fullerene â€œSuperhalogenâ€•Radicals: the Substituent Effect on Electronic Properties of 1,7,11,24,27â€C₆₀X₅. Chemistry - A European Journal, 2013, 19, 15404-15409.	1.7	16
101	The Ground State of (CS)₄ Is Different from That of (CO)₄: An Experimental Test of a Computational Prediction by Negative Ion Photoelectron Spectroscopy. Journal of Physical Chemistry A, 2013, 117, 7841-7846.	1.1	8
102	Electron Affinity of Phenylâ€“C₆₁â€“Butyric Acid Methyl Ester (PCBM). Journal of Physical Chemistry C, 2013, 117, 14958-14964.	1.5	91
103	C₂₀H₄(C₄F₈)₃: A Fluorineâ€Containing Annulated Corannulene that Is a Better Electron Acceptor Than C₆₀. Angewandte Chemie - International Edition, 2013, 52, 7505-7508.	7.2	58
104	Negative Ion Photoelectron Spectroscopy Reveals Thermodynamic Advantage of Organic Acids in Facilitating Formation of Bisulfate Ion Clusters: Atmospheric Implications. Journal of Physical Chemistry Letters, 2013, 4, 779-785.	2.1	53
105	Negative Ion Photoelectron Spectroscopy Confirms the Prediction that (CO)₅ and (CO)₆ Each Has a Singlet Ground State. Journal of the American Chemical Society, 2013, 135, 4291-4298.	6.6	26
106	Communication: Solute anisotropy effects in hydrated anion and neutral clusters. Journal of Chemical Physics, 2013, 138, 031101.	1.2	22
107	Photoelectron spectroscopy and theoretical study of M(IO₃)₂^{â^’} (M = H, Li, Na, K): Structural evolution, optical isomers, and hyperhalogen behavior. Journal of Chemical Physics, 2013, 139, 044312.	1.2	19
108	Taming Hot CF₃ Radicals: Incrementally Tuned Families of Polyarene Electron Acceptors for Airâ€Stable Molecular Optoelectronics. Angewandte Chemie - International Edition, 2013, 52, 4871-4874.	7.2	38

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109	Three Hydrogen Bond Donor Catalysts: Oxyanion Hole Mimics and Transition State Analogues. Journal of the American Chemical Society, 2012, 134, 18534-18537.	6.6	50
110	Probing the Low-Lying Electronic States of Cyclobutanetetraone (C₄O₄) and Its Radical Anion: A Low-Temperature Anion Photoelectron Spectroscopic Approach. Journal of Physical Chemistry Letters, 2012, 3, 304-308.	2.1	35
111	Study of Ion Specific Interactions of Alkali Cations with Dicarboxylate Dianions. Journal of Physical Chemistry A, 2012, 116, 2055-2061.	1.1	24
112	Substituent effects in a series of 1,7-C60(RF)2 compounds (RF = CF3, C2F5, n-C3F7, i-C3F7, n-C4F9, s-C4F9,) Tj ETQq0 0 0 rgBT /Overlo Chemical Science, 2012, 3, 1399.	3.7	25
113	Characterization of a Saturated and Flexible Aliphatic Polyol Anion Receptor. Journal of the American Chemical Society, 2012, 134, 16944-16947.	6.6	20
114	Hydrogen Bonded Arrays: The Power of Multiple Hydrogen Bonds. Journal of the American Chemical Society, 2012, 134, 2094-2099.	6.6	66
115	A Combined Gasâ€Phase Photoelectron Spectroscopic and Theoretical Study of Zeiseâ€™s Anion and Its Bromine and Iodine Analogues. Angewandte Chemie - International Edition, 2012, 51, 6356-6360.	7.2	11
116	Photodetachment of Isolated Bicarbonate Anion: Electron Binding Energy of HCO₃^{â€“}. Journal of Physical Chemistry Letters, 2011, 2, 1204-1210.	2.1	16
117	On the Electronic Structures and Electron Affinities of the m-Benzoquinone (BQ) Diradical and the o-, p-BQ Molecules: A Synergetic Photoelectron Spectroscopic and Theoretical Study. Journal of Physical Chemistry A, 2011, 115, 3201-3207.	1.1	54
118	Photoelectron spectroscopy of higher bromine and iodine oxide anions: Electron affinities and electronic structures of BrO2,3 and IO2â€“4 radicals. Journal of Chemical Physics, 2011, 135, 184309.	1.2	13
119	Photoelectron Spectroscopy of C₆₀F_n^{â^’} and C₆₀F_m^{2â^’} (n = 17, 33, 35, 43, 45, 47; m = 34, 46) in the Gas Phase and the Generation and Characterization of C₁-C₆₀F₄₇^{â^’} and D₂-C₆₀F₄₄ in Solution. Journal of Physical Chemistry A, 2010, 114, 7681-7686.	1.1	17
120	Electron Affinities and Electronic Structures of o-, m-, and p-Hydroxyphenoxyl Radicals: A Combined Low-Temperature Photoelectron Spectroscopic and Ab Initio Calculation Study. Journal of Physical Chemistry A, 2010, 114, 9083-9089.	1.1	19
121	Stepwise hydration of the cyanide anion: A temperature-controlled photoelectron spectroscopy and ab initio computational study of CNâ^’(H2O)n, n=2â€“5. Journal of Chemical Physics, 2010, 132, 124306.	1.2	24
122	Microsolvation of the acetate anion [<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mtext>CH</mml:mtext></mml:mrow><mml:mrow><mml:mn>3</mml:m		

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127	Photoelectron Spectroscopy of Multiply Charged Anions. Annual Review of Physical Chemistry, 2009, 60, 105-126.	4.8	120
128	Probing the Electronic Stability of Multiply Charged Anions: Sulfonated Pyrene Tri- and Tetraanions. Journal of the American Chemical Society, 2009, 131, 9836-9842.	6.6	15
129	High resolution and low-temperature photoelectron spectroscopy of an oxygen-linked fullerene dimer dianion: C120O2â^'. Journal of Chemical Physics, 2008, 128, 114307.	1.2	15
130	Observation of Entropic Effect on Conformation Changes of Complex Systems under Well-Controlled Temperature Conditions. Journal of Physical Chemistry A, 2008, 112, 172-175.	1.1	27
131	Development of a low-temperature photoelectron spectroscopy instrument using an electrospray ion source and a cryogenically controlled ion trap. Review of Scientific Instruments, 2008, 79, 073108.	0.6	260
132	Photoelectron Spectroscopy of Singly and Doubly Charged Higher Fullerenes at Low Temperatures:â€‰ C76-, C78-, C84-and C762-, C782-, C842-â€. Journal of Physical Chemistry C, 2007, 111, 17684-17689.	1.5	41
133	First steps towards dissolution of NaSO4? by water. Physical Chemistry Chemical Physics, 2006, 8, 4294.	1.3	21
134	Probing the Electronic Structure of Feï£¿S Clusters: Ubiquitous Electron Transfer Centers in Metalloproteins Using Anion Photoelectron Spectroscopy in the Gas Phase. , 2006, , 63-117.		3
135	Determination of the Electron Affinity of the Acetyloxyl Radical (CH3COO) by Low-Temperature Anion Photoelectron Spectroscopy and ab Initio Calculations. Journal of Physical Chemistry A, 2006, 110, 5047-5050.	1.1	49
136	Direct Experimental Probe of the On-Site Coulomb Repulsion in the Doubly Charged Fullerene AnionC702â^'. Physical Review Letters, 2006, 96, 143002.	2.9	71
137	Observation of Weak Cï£¿Hâ‹…â‹…â‹…O Hydrogen Bonding to Unactivated Alkanes. Angewandte Chemie - International Edition, 2005, 44, 4968-4972.	7.2	51
138	Intramolecular Rotation through Proton Transfer: [Fe(Î·5-C5H4CO2â^')2] versus [(Î·5-C5H4CO2â^')Fe(Î·5-C5H4CO2H)]. Angewandte Chemie - International Edition, 2005, 44, 6022-6024.	7.2	41
139	Temperature-Dependent Photoelectron Spectroscopy of Methyl Benzoate Anions:Â Observation of Steric Effect ino-Methyl Benzoateâ€. Journal of Physical Chemistry A, 2005, 109, 11395-11400.	1.1	22
140	Photoelectron Spectroscopy and Electronic Structures of Fullerene Oxides:â€‰ C60Ox- (x = 1â^'3). Journal of Physical Chemistry A, 2005, 109, 11089-11092.	1.1	8
141	Vibrational cooling in a cold ion trap: Vibrationally resolved photoelectron spectroscopy of cold C60â^' anions. Journal of Chemical Physics, 2005, 123, 051106.	1.2	128
142	Direct experimental observation of the low ionization potentials of guanine in free oligonucleotides by using photoelectron spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 17588-17592.	3.3	134
143	Bulk versus Interfacial Aqueous Solvation of Dicarboxylate Dianions. Journal of the American Chemical Society, 2004, 126, 11691-11698.	6.6	59
144	Structure of the NaxClx+1â^'â€Š(x=1â€“4) clusters viaab initiogenetic algorithm and photoelectron spectroscopy. Journal of Chemical Physics, 2004, 121, 5709-5719.	1.2	261

#	Article	IF	Citations
145	Photodetachment of Zwitterions:Â Probing Intramolecular Coulomb Repulsion and Attraction in the Gas Phase Using Pyridinium Dicarboxylate Anions. Journal of the American Chemical Society, 2003, 125, 296-304.	6.6	42
146	Photodetachment of Zwitterions:â€‰ Probing Intramolecular Coulomb Repulsion and Attraction in the Gas Phase Using Mono-decarboxylated Pyridinium Dicarboxylates. Implications on the Mechanism of Orotidine 5â€˜-Monophosphate Decarboxylase. Journal of the American Chemical Society, 2003, 125, 6814-6826.	6.6	12
147	On the electronic structures of gaseous transition metal halide complexes, FeX4â^' and MX3â^' (M=Mn,) Tj ETQq1 1 0.784314 rgBT /Ov of Chemical Physics, 2003, 119, 8311-8320.	1.2	48
148	Probing the Electronic Structure of [MoOS4]-Centers Using Anionic Photoelectron Spectroscopy. Journal of the American Chemical Society, 2002, 124, 10182-10191.	6.6	20
149	Photodetachment and theoretical study of free and water-solvated nitrate anions, NO3â^'(H2O)n (n=0â€“6). Journal of Chemical Physics, 2002, 116, 561-570.	1.2	75
150	Photodetachment of Fâ^'(H2O)nâ€,(n=1â€“4): Observation of charge-transfer states [Fâ^'(H2O)n+] and the transition state of F+H2O hydrogen abstraction reaction. Journal of Chemical Physics, 2001, 115, 2889-2892.	1.2	50
151	The electronic structure and electron affinities of higher chlorine oxide radicals ClOx (x=2â€“4) from photoelectron spectroscopy of ClOxâ^' anions. Journal of Chemical Physics, 2000, 113, 10928-10933.	1.2	47
152	Probing the electronic structure of redox species and direct determination of intrinsic reorganization energies of electron transfer reactions. Journal of Chemical Physics, 2000, 112, 6959-6962.	1.2	45
153	Probing Free Multiply Charged Anions Using Photodetachment Photoelectron Spectroscopy. Journal of Physical Chemistry A, 2000, 104, 1978-1990.	1.1	189
154	Photoelectron Spectroscopy and Theoretical Calculations of SO4-and HSO4-:Â Confirmation of High Electron Affinities of SO4and HSO4. Journal of Physical Chemistry A, 2000, 104, 504-508.	1.1	64
155	Experimental and Theoretical Investigations of the Stability of Two Small Gaseous Dicarboxylate Dianions:Â Acetylene Dicarboxylate and Succinate. Journal of the American Chemical Society, 2000, 122, 4499-4507.	6.6	40
156	Photodetachment of Gaseous Multiply Charged Anions, Copper Phthalocyanine Tetrasulfonate Tetraanion:Â Tuning Molecular Electronic Energy Levels by Charging and Negative Electron Binding. Journal of Physical Chemistry A, 2000, 104, 25-33.	1.1	47
157	Experimental Observation of a Very High Second Electron Affinity for ZrF6 from Photodetachment of Gaseous ZrF62- Doubly Charged Anions. Journal of Physical Chemistry A, 2000, 104, 4429-4432.	1.1	40
158	Experimental Search for the Smallest Stable Multiply Charged Anions in the Gas Phase. Physical Review Letters, 1999, 83, 3402-3405.	2.9	107
159	Photodetachment photoelectron spectroscopy of multiply charged anions using electrospray ionization. Review of Scientific Instruments, 1999, 70, 1957-1966.	0.6	210
160	Photodetachment of free hexahalogenometallate doubly charged anions in the gas phase: [ML6]2â^', (M=Re, Os, Ir, Pt; L=Cl and Br). Journal of Chemical Physics, 1999, 111, 4497-4509.	1.2	96
161	First experimental photoelectron spectra of superhalogens and their theoretical interpretations. Journal of Chemical Physics, 1999, 110, 4763-4771.	1.2	269
162	High resolution photoelectron spectroscopy of C60â^'. Journal of Chemical Physics, 1999, 110, 8217-8220.	1.2	203

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163	Electron tunneling through the repulsive Coulomb barrier in photodetachment of multiply charged anions. Chemical Physics Letters, 1999, 307, 391-396.	1.2	81
164	Observation of negative electron-binding energy in a molecule. Nature, 1999, 400, 245-248.	13.7	206
165	Investigation of Free Singly and Doubly Charged Alkali Metal Sulfate Ion Pairs:â€‰ M+(SO42-) and [M+(SO42-)]2 (M = Na, K). Journal of Physical Chemistry A, 1999, 103, 3423-3429.	1.1	60
166	New Magic Numbers in TixCy-Anion Clusters and Implications for the Growth Mechanisms of Titanium Carbide Clusters. Journal of the American Chemical Society, 1998, 120, 6556-6562.	6.6	53
167	Photoelectron Spectroscopy of Doubly Charged Anions:Â Intramolecular Coulomb Repulsion and Solvent Stabilization. Journal of Physical Chemistry A, 1998, 102, 8633-8636.	1.1	75
168	Probing the Potential Barriers and Intramolecular Electrostatic Interactions in Free Doubly Charged Anions. Physical Review Letters, 1998, 81, 2667-2670.	2.9	180
169	Photodetachment Spectroscopy of a Doubly Charged Anion: Direct Observation of the Repulsive Coulomb Barrier. Physical Review Letters, 1998, 81, 3351-3354.	2.9	135
170	Vibrationally Resolved Photoelectron Spectra of TiCx-(x= 2â˜’5) Clusters. Journal of Physical Chemistry A, 1997, 101, 7699-7701.	1.1	56