

Xue-Bin Wang

List of Publications by Year in descending order

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170
papers

6,043
citations

61945

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Functionalization of Electrodes with Tunable [EMIM] _x [Cl] _{x+1} ⁺ Ionic Liquid Clusters for Electrochemical Separations. <i>Chemistry of Materials</i> , 2022, 34, 2612-2623.	3.2	5
2	Guanosine Dianions Hydrated by One to Four Water Molecules. <i>Journal of Physical Chemistry Letters</i> , 2022, , 3230-3236.	2.1	4
3	Metallofullerene photoswitches driven by photoinduced fullerene-to-metal electron transfer. <i>Chemical Science</i> , 2021, 12, 7818-7838.	3.7	7
4	Gaseous cyclodextrin-closedodecaborate complexes $\beta\text{-CD}_2\text{-B}_{12}\text{X}_{12}$ ²⁺ ($\beta = \hat{1}, \hat{2}, \text{ and } \hat{3}$; X = F, Cl, Br, and I): electronic structures and intramolecular interactions. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 13447-13457.	3.3	8
5	Cryogenic Vibrationally Resolved Photoelectron Spectroscopy of OH ⁺ (H ₂ O): Confirmation of Multidimensional Franck-Condon Simulation Results for the Transition State of the OH + H ₂ O Reaction. <i>Journal of Physical Chemistry A</i> , 2021, 125, 2154-2162.	1.1	3
6	Observation of Conformational Simplification upon N-Methylation on Amino Acid Iodide Clusters. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 2780-2787.	2.1	4
7	Photoelectron Spectroscopy and Theoretical Study on Monosolvated Cyanate Analogue Clusters ECX ⁺ ·Sol (ECX ⁺ = NCS ⁺ , AsCS ⁺ , and) <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 3928-3935.	1.1	3
8	Measuring Electronic Structure of Multiply Charged Anions to Understand Their Chemistry: A Case Study on Gaseous Polyhedral Closed-Borate Dianions. <i>Journal of Physical Chemistry A</i> , 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. <i>Computational and Theoretical Chemistry</i> , 2021, 1202, 113295.	1.1	4
11	Photoelectron Spectroscopy and Theoretical Investigations of Gaseous Doubly Deprotonated 2'-Deoxynucleoside 5'-Monophosphate Dianions. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 9463-9469.	2.1	5
12	Electron Affinity and Electronic Structure of Hexafluoroacetone (HFA) Revealed by Photodetaching the [HFA] ⁻ Radical Anion. <i>Journal of Physical Chemistry A</i> , 2021, 125, 746-753.	1.1	4
13	Observation and Exploitation of Spin-Orbit Excited Dipole-Bound States in Ion-Molecule Clusters. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 11022-11028.	2.1	4
14	Isolated [B ₂ (CN) ₆] ²⁺ : Small Yet Exceptionally Stable Nonmetal Dianion. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 12005-12011.	2.1	2
15	Synthesis, Electronic Properties and Reactivity of [B ₁₂ X ₁₁ (NO ₂)] ⁺ (X=F, I) Dianions. <i>Chemistry - A European Journal</i> , 2020, 26, 14594-14601.	1.7	9
16	Distonic radical anion species in cysteine oxidation processes. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 17554-17558.	1.3	5
17	Properties of gaseous closed-[B ₆ X ₆] ²⁺ dianions (X = Cl, Br, I) <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 11022-11028.	1.3	12
18	Molecular Specificity and Proton Transfer Mechanisms in Aerosol Prenucleation Clusters Relevant to New Particle Formation. <i>Accounts of Chemical Research</i> , 2020, 53, 2816-2827.	7.6	14

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19	Cryogenic α -chloride-Tagging-Photoelectron Spectroscopy: A Sensitive Probe for Specific Binding Sites of Amino Acids. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4346-4352.	2.1	15
20	Spectroscopic evidence for intact carbonic acid stabilized by halide anions in the gas phase. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 19459-19467.	1.3	10
21	Photoelectron spectroscopy and computational investigations of the electronic structures and noncovalent interactions of cyclodextrin- <i>closo</i> -dodecaborate anion complexes $\text{[}\beta\text{-CD}\cdot\text{B}_{12}\text{X}_{12}\text{]}^{2-}$ ($\beta = \text{I}^{\pm}, \text{I}^2, \text{I}^3$; X = H, F). <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 7193-7200.	1.3	14
22	Determinants for proton location and electron coupled proton transfer in hydrogen bonded pentafluorophenolate ⁻ anion clusters. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 16712-16720.	1.3	0
23	Probing Orientation-Specific Charge-Dipole Interactions between Hexafluoroisopropanol and Halides: A Joint Photoelectron Spectroscopy and Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2020, 124, 2036-2045.	1.1	17
24	Cryogenic and temperature-dependent photoelectron spectroscopy of metal complexes. <i>International Reviews in Physical Chemistry</i> , 2020, 39, 83-108.	0.9	24
25	Potassium iodide cluster based superhalogens and superalkalis: Theoretical calculations and experimental confirmation. <i>Chemical Physics Letters</i> , 2020, 741, 137094.	1.2	6
26	Velocity-Map Imaging and Magnetic-Bottle Photoelectron Spectroscopy of $[\text{SeCCH}]^+$: Electronic Properties and Spin-Orbit Splitting. <i>Journal of Physical Chemistry A</i> , 2020, 124, 3214-3219.	1.1	2
27	Photoelectron Spectroscopy and Theoretical Studies of PCSe^{\pm} , AsCS^{\pm} , AsCSe^{\pm} , and NCSe^{\pm} : Insights into the Electronic Structures of the Whole Family of ECX^{\pm} Anions (E=N, P, As; X=O, S, Se). <i>Angewandte Chemie</i> , 2019, 131, 15206-15212.	1.6	3
28	Photoelectron Spectroscopy and Theoretical Studies of PCSe^{\pm} , AsCS^{\pm} , AsCSe^{\pm} , and NCSe^{\pm} : Insights into the Electronic Structures of the Whole Family of ECX^{\pm} Anions (E=N, P, As; X=O, S, Se). <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15062-15068.	7.2	13
29	Macrocyclic-Directed Construction of Tetrahedral Anion Receptors for Nesting Anions with Complementary Geometry. <i>Chemistry - A European Journal</i> , 2019, 25, 13275-13279.	1.7	12
30	PAH/PAH(CF ₃) _n Donor/Acceptor Charge-Transfer Complexes in Solution and in Solid State Co-Crystals. <i>Chemistry - A European Journal</i> , 2019, 25, 13547-13565.	1.7	7
31	Going large(r): general discussion. <i>Faraday Discussions</i> , 2019, 217, 476-513.	1.6	1
32	Controlling internal degrees: general discussion. <i>Faraday Discussions</i> , 2019, 217, 138-171.	1.6	1
33	Electronic structures and binding motifs of sodium polysulfide clusters NaSn^{\pm} ($n = 5-9$): A joint negative ion photoelectron spectroscopy and computational investigation. <i>Journal of Chemical Physics</i> , 2019, 150, 244305.	1.2	4
34	Frontispiece: Photoelectron Spectroscopy and Theoretical Studies of PCSe^{\pm} , AsCS^{\pm} , AsCSe^{\pm} , and NCSe^{\pm} : Insights into the Electronic Structures of the Whole Family of ECX^{\pm} Anions (E=N, P, As; X=O, S, Se). <i>Angewandte Chemie - International Edition</i> , 2019, 58, .	7.2	0
35	Spectroscopic Signature of Proton Location in Proton Bound HSO_4^{\pm} and $\text{H}_2\text{SO}_4^{\pm}$ Clusters. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6714-6719.	2.1	17
36	Properties of perhalogenated B_{10} and B_{11} multiply charged anions and a critical comparison with B_{12} in the gas and the condensed phase. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 5903-5915.	1.3	24

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37	Electrospray ionization photoelectron spectroscopy of cryogenic [EDTA-M(ii)] ²⁻ complexes (M = Ca, Tj ETQq1 1.0.784314 rgBT /Overl	1.6	11
38	A benchmark photoelectron spectroscopic and theoretical study of the electronic stability of [B12H12] ²⁻ . 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 CO ₃ ⁻ photo-detachment: Jahn-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 Vacuum-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 H ₂ SO ₄ ·ArCOO ⁻ : 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 ⁻ , AsCS ⁻ , AsCSe ⁻ , and NCSe ⁻ : Insights into the Electronic Structures of the Whole Family of ECX ⁻ Anions (E=N, P, As; X=O, S, Se). Angewandte Chemie, 2019, 131, .	1.6	0
45	Photoelectron spectroscopy of [Mo ₆ X ₁₄] ²⁻ dianions (X = Cl, I). Journal of Chemical Physics, 2019, 151, 194310.	1.2	3
46	Cyanohydridoborate Anions: Synthesis, Salts, and Low-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 1,8-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 low-lying electronic states of 2,7-naphthoquinodimethane and 2,7-naphthoquinone. Substitution of oxygen for CH ₂ is predicted to increase the singlet-triplet energy difference (<i>E</i>). Journal of Physical Organic Chemistry, 2018, 31, e3824.	0.9	4
50	Deviation from the <i>trans</i>-Effect in Ligand-Exchange Reactions of Zeise ⁻ Ions PtCl ₃ (C ₂ H ₄) ⁻ with Heavier Halides (Br ⁻), Tj ETQq0 0 0 rgBT /Overl		
51	Experimental and DFT Studies of the Electron-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 ⁺ [O ₂ C(CH ₂) ₂ CO ₂] ²⁻ [H ₂ O] _n (M = Na, K; n = 1-6). Physical Chemistry Chemical Physics, 2018, 20, 29051-29060.	1.3	10
53	Magnetic-Bottle and velocity-map imaging photoelectron spectroscopy of APS ⁻ (A=C ₁₄ H ₁₀ or) Tj ETQq1 1 0.784314 rgBT /Overl	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 [EDTA ⁴⁻ M] complexes (M = H ₃ , Al, Sc, V ²⁺ Co). <i>Physical Chemistry Chemical Physics</i> , 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. <i>Journal of Physical Chemistry A</i> , 2018, 122, 4838-4844.	1.1	5
57	Cluster Model Studies of Anion and Molecular Specificities via Electrospray Ionization Photoelectron Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2017, 121, 1389-1401.	1.1	45
58	Structures and energetics of hydrated deprotonated cis-pinonic acid anion clusters and their atmospheric relevance. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 10676-10684.	1.3	17
59	Spectroscopic Characterization, Computational Investigation, and Comparisons of ECX ⁺ (E = As, P, and N; X = S and O) Anions. <i>Journal of the American Chemical Society</i> , 2017, 139, 8922-8930.	6.6	48
60	Experimental and Theoretical Studies of the F ⁺ + H ⁺ F Transition-State Region by Photodetachment of [F ⁺ H ⁺ F] ⁺ . <i>Journal of Physical Chemistry A</i> , 2017, 121, 7895-7902.	1.1	5
61	Electronic Structure and Stability of [B ₁₂ X ₁₂] ²⁺ (X = F ⁺ At): A Combined Photoelectron Spectroscopic and Theoretical Study. <i>Journal of the American Chemical Society</i> , 2017, 139, 14749-14756.	6.6	60
62	Photoelectron Spectroscopy Study of Quinonimides. <i>Journal of the American Chemical Society</i> , 2017, 139, 11138-11148.	6.6	18
63	Formation of (HCOO ⁻)(H ₂ SO ₄) ⁻ Anion Clusters: Violation of Gas-Phase Acidity Predictions. <i>Journal of the American Chemical Society</i> , 2017, 139, 11321-11324.	6.6	22
64	Incremental Tuning Up of Fluorous Phenazine Acceptors. <i>Chemistry - A European Journal</i> , 2016, 22, 3930-3936.	1.7	12
65	Copper Causes Regiospecific Formation of C ₄ F ₈ -Containing Six-Membered Rings and their Defluorination/Aromatization to C ₄ F ₄ -Containing Rings in Triphenylene/1,4-C ₄ F ₈ l ₂ Reactions. <i>Chemistry - A European Journal</i> , 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. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 18683-18686.	1.3	1
67	Deprotonated Dicarboxylic Acid Homodimers: Hydrogen Bonds and Atmospheric Implications. <i>Journal of Physical Chemistry A</i> , 2016, 120, 2342-2349.	1.1	14
68	Negative ion photoelectron spectroscopy of P ₂ N ₃ ⁻ : electron affinity and electronic structures of P ₂ N ₃ ⁻ . <i>Chemical Science</i> , 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] ⁻ and [Ni(edo) ₂] ⁻ . <i>Journal of Physical Chemistry A</i> , 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-Phosphatriazololate Anion. <i>Journal of the American Chemical Society</i> , 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-triazololate Anion, HCPN ₃ ⁻ . <i>Journal of Physical Chemistry A</i> , 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. <i>Journal of Physical Chemistry A</i> , 2016, 120, 8309-8316.	1.1	11

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73	Negative ion photoelectron spectra of ISO_3^- , IS_2O_3^- , and IS_2O_4^- intermediates formed in interfacial reactions of ozone and iodide/sulfite aqueous microdroplets. <i>Journal of Chemical Physics</i> , 2016, 145, 214310.	1.2	10
74	Examining the structural evolution of bicarbonate-water clusters: insights from photoelectron spectroscopy, basin-hopping structural search, and comparison with available IR spectral studies. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 17470-17482.	1.3	13
75	Frontispiece: Incremental Tuning Up of Fluorous Phenazine Acceptors. <i>Chemistry - A European Journal</i> , 2016, 22, .	1.7	0
76	Flexible Acyclic Polyol-Chloride Anion Complexes and Their Characterization by Photoelectron Spectroscopy and Variable Temperature Binding Constant Determinations. <i>Journal of Physical Chemistry A</i> , 2016, 120, 1661-1668.	1.1	12
77	Negative ion photoelectron spectroscopy confirms the prediction that D_{3h} carbon trioxide (CO_3) has a singlet ground state. <i>Chemical Science</i> , 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. <i>Physical Chemistry Chemical Physics</i> , 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^- Water Clusters. <i>Journal of Physical Chemistry B</i> , 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. <i>Journal of Chemical Physics</i> , 2015, 143, 224301.	1.2	18
81	Photoelectron spectroscopy of hexachloroplatinate-nucleobase complexes: Nucleobase excited state decay observed via delayed electron emission. <i>Journal of Chemical Physics</i> , 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. <i>Journal of Physical Chemistry B</i> , 2015, 119, 11626-11631.	1.2	9
83	Core Perylene Diimide Designs via Direct Bay- and <i>ortho</i> -(Poly)trifluoromethylation: Synthesis, Isolation, X-ray Structures, Optical and Electronic Properties. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 6641-6654.	1.2	26
84	A faux hawk fullerene with PCBM-like properties. <i>Chemical Science</i> , 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. <i>Journal of Physical Chemistry A</i> , 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. <i>Journal of the American Chemical Society</i> , 2015, 137, 9094-9099.	6.6	11
87	Probing the early stages of salt nucleation—Experimental and theoretical investigations of sodium/potassium thiocyanate cluster anions. <i>Journal of Chemical Physics</i> , 2015, 142, 024313.	1.2	10
88	Photoelectron spectroscopy and theoretical studies of anion- H_2O interactions: binding strength and anion specificity. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 3131-3141.	1.3	23
89	Fullerene cyanation does not always increase electron affinity: an experimental and theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 551-556.	1.3	9
90	Anion A^- HX Clusters with Reduced Electron Binding Energies: Proton vs Hydrogen Atom Relocation upon Electron Detachment. <i>Journal of the American Chemical Society</i> , 2014, 136, 17332-17336.	6.6	13

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91	Molecular recognition: preparation and characterization of two tripodal anion receptors. <i>Organic Chemistry Frontiers</i> , 2014, 1, 54-61.	2.3	13
92	Poly(trifluoromethyl)azulenes: structures and acceptor properties. <i>Chemical Communications</i> , 2014, 50, 6263-6266.	2.2	16
93	The Negative Ion Photoelectron Spectrum of Cyclopropane-1,2,3-Trione Radical Anion, (CO) ₃ â€”â€”â€” A Joint Experimental and Computational Study. <i>Journal of the American Chemical Society</i> , 2014, 136, 12345-12354.	6.6	21
94	The Negative Ion Photoelectron Spectrum of <i>meta</i> -Benzoquinone Radical Anion (MBQ ^{â€”}): A Joint Experimental and Computational Study. <i>Journal of the American Chemical Society</i> , 2014, 136, 3589-3596.	6.6	27
95	A Preorganized Hydrogen Bond Network and Its Effect on Anion Stability. <i>Journal of Physical Chemistry A</i> , 2014, 118, 5989-5993.	1.1	7
96	Covalently Bound Tetracoordinated Organoborons as Superhalogens: A Combined Negative Ion Photoelectron Spectroscopy and Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2014, 118, 8074-8080.	1.1	10
97	Vibrationally Resolved Photoelectron Spectroscopy of the Model GFP Chromophore Anion Revealing the Photoexcited S ₁ State Being Both Vertically and Adiabatically Bound against the Photodetached D ₀ Continuum. <i>Journal of Physical Chemistry Letters</i> , 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. <i>Organometallics</i> , 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. <i>Journal of the American Chemical Society</i> , 2013, 135, 17919-17924.	6.6	46
100	Fullerene â€”Superhalogenâ€”Radicals: the Substituent Effect on Electronic Properties of 1,7,11,24,27â€” ₆₀ X ₅ . <i>Chemistry - A European Journal</i> , 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. <i>Journal of Physical Chemistry A</i> , 2013, 117, 7841-7846.	1.1	8
102	Electron Affinity of Phenylâ€”C ₆₁ â€”Butyric Acid Methyl Ester (PCBM). <i>Journal of Physical Chemistry C</i> , 2013, 117, 14958-14964.	1.5	91
103	C ₂₀ H ₄ (C ₄ F ₈) ₃ : A Fluorineâ€”Containing Annulated Corannulene that Is a Better Electron Acceptor Than C ₆₀ . <i>Angewandte Chemie - International Edition</i> , 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. <i>Journal of Physical Chemistry Letters</i> , 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. <i>Journal of the American Chemical Society</i> , 2013, 135, 4291-4298.	6.6	26
106	Communication: Solute anisotropy effects in hydrated anion and neutral clusters. <i>Journal of Chemical Physics</i> , 2013, 138, 031101.	1.2	22
107	Photoelectron spectroscopy and theoretical study of M(IO ₃) ₂ ^{âˆ’} (M = H, Li, Na, K): Structural evolution, optical isomers, and hyperhalogen behavior. <i>Journal of Chemical Physics</i> , 2013, 139, 044312.	1.2	19
108	Taming Hot CF ₃ Radicals: Incrementally Tuned Families of Polyarene Electron Acceptors for Airâ€”Stable Molecular Optoelectronics. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4871-4874.	7.2	38

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109	Three Hydrogen Bond Donor Catalysts: Oxyanion Hole Mimics and Transition State Analogues. <i>Journal of the American Chemical Society</i> , 2012, 134, 18534-18537.	6.6	50
110	Probing the Low-Lying Electronic States of Cyclobutanetetraone (C ₄ O ₄) and Its Radical Anion: A Low-Temperature Anion Photoelectron Spectroscopic Approach. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 304-308.	2.1	35
111	Study of Ion Specific Interactions of Alkali Cations with Dicarboxylate Dianions. <i>Journal of Physical Chemistry A</i> , 2012, 116, 2055-2061.	1.1	24
112	Substituent effects in a series of 1,7-C ₆₀ (RF) ₂ compounds (RF = CF ₃ , C ₂ F ₅ , n-C ₃ F ₇ , i-C ₃ F ₇ , n-C ₄ F ₉ , s-C ₄ F ₉ .) <i>Chemical Science</i> , 2012, 3, 1399.	3.7	25
113	Characterization of a Saturated and Flexible Aliphatic Polyol Anion Receptor. <i>Journal of the American Chemical Society</i> , 2012, 134, 16944-16947.	6.6	20
114	Hydrogen Bonded Arrays: The Power of Multiple Hydrogen Bonds. <i>Journal of the American Chemical Society</i> , 2012, 134, 2094-2099.	6.6	66
115	A Combined Gas-Phase Photoelectron Spectroscopic and Theoretical Study of Zeise's Anion and Its Bromine and Iodine Analogues. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6356-6360.	7.2	11
116	Photodetachment of Isolated Bicarbonate Anion: Electron Binding Energy of HCO ₃ ⁻ . <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1204-1210.	2.1	16
117	On the Electronic Structures and Electron Affinities of the <i>m</i> -Benzoquinone (BQ) Diradical and the <i>o</i> -, <i>p</i> -BQ Molecules: A Synergetic Photoelectron Spectroscopic and Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2011, 115, 3201-3207.	1.1	54
118	Photoelectron spectroscopy of higher bromine and iodine oxide anions: Electron affinities and electronic structures of BrO _{2,3} and IO ₂ ⁻⁴ radicals. <i>Journal of Chemical Physics</i> , 2011, 135, 184309.	1.2	13
119	Photoelectron Spectroscopy of C ₆₀ F _n ⁻ (n = 17, 33, 35, 43, 45, 47; <i>m</i> = 34, 46) in the Gas Phase and the Generation and Characterization of C ₁ -C ₆₀ F ₄₇ ⁻ and D ₂ -C ₆₀ F ₄₄ ⁻ in Solution. <i>Journal of Physical Chemistry A</i> , 2010, 114, 1756-1765.	1.1	17
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