

W Carl Lineberger

List of Publications by Year in descending order

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46
papers

1,830
citations

257450

24
h-index

254184

43
g-index

47
all docs

47
docs citations

47
times ranked

1746
citing authors

#	ARTICLE	IF	CITATIONS
1	Gas-Phase Reactions of Deprotonated Nucleobases with H, N, and O Atoms. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4863-4867.	4.6	11
2	Photoelectron spectroscopy and thermochemistry of o-, m-, and p-methylenephenoxy anions. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 25203-25216.	2.8	2
3	Anion photoelectron spectroscopy of deprotonated indole and indoline. <i>Journal of Chemical Physics</i> , 2018, 148, 064307.	3.0	5
4	Photoelectron Spectroscopy of the Aminomethoxy Anion, $\text{H}_2\text{C}(\text{NH}_2)\text{O}^-$. <i>Journal of Physical Chemistry A</i> , 2018, 122, 4954-4962.	2.5	1
5	Anion photoelectron spectroscopy of deprotonated ortho-, meta-, and para-methylphenol. <i>Journal of Chemical Physics</i> , 2017, 146, 074302.	3.0	11
6	Encoding of vinylidene isomerization in its anion photoelectron spectrum. <i>Science</i> , 2017, 358, 336-339.	12.6	55
7	Photoelectron spectroscopy of the thiazate (NSO^-) and thionitrite (SNO^-) isomer anions. <i>Journal of Chemical Physics</i> , 2017, 147, 013943.	3.0	5
8	Photoelectron spectroscopy of the hydroxymethoxy anion, $\text{H}_2\text{C}(\text{OH})\text{O}^-$. <i>Journal of Chemical Physics</i> , 2016, 145, 124317.	3.0	8
9	Experimental and Theoretical Studies of the Reactivity and Thermochemistry of Dicyanamide: $\text{N}(\text{CN})_2^-$. <i>Journal of Physical Chemistry A</i> , 2016, 120, 992-999.	2.5	30
10	Photoelectron Spectroscopy of <i>cis</i> -Nitrous Acid Anion (HONO^-). <i>Journal of Physical Chemistry A</i> , 2016, 120, 1652-1660.	2.5	7
11	Gas-Phase Acidities of Nitrated Azoles as Determined by the Extended Kinetic Method and Computations. <i>Journal of Physical Chemistry A</i> , 2015, 119, 395-402.	2.5	6
12	Photoelectron Spectroscopy of the Methide Anion: Electron Affinities of CH_3^- and CD_3^- and Inversion Splittings of CH_3^- and CD_3^- . <i>Journal of the American Chemical Society</i> , 2015, 137, 12939-12945.	13.7	25
13	A versatile, pulsed anion source utilizing plasma-entrainment: Characterization and applications. <i>Journal of Chemical Physics</i> , 2015, 142, 044201.	3.0	18
14	Visible spectrum photofragmentation of $\text{O}_3(\text{H}_2\text{O})_n$, $n = 16$. <i>Journal of Chemical Physics</i> , 2014, 141, 154312.	3.0	3
15	Nonadiabatic photofragmentation dynamics of BrCN^- . <i>Journal of Chemical Physics</i> , 2014, 141, 084305.	3.0	7
16	Once upon Anion: A Tale of Photodetachment. <i>Annual Review of Physical Chemistry</i> , 2013, 64, 21-36.	10.8	39
17	New view of the ICN A continuum using photoelectron spectroscopy of ICN^- . <i>Journal of Chemical Physics</i> , 2012, 136, 044313.	3.0	11
18	C-H Bond Strengths and Acidities in Aromatic Systems: Effects of Nitrogen Incorporation in Mono-, Di-, and Triazines. <i>Journal of the American Chemical Society</i> , 2012, 134, 6584-6595.	13.7	29

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19	Photoelectron Spectroscopic Study of the Oxyallyl Diradical. <i>Journal of Physical Chemistry A</i> , 2011, 115, 1634-1649.	2.5	43
20	The synergy between qualitative theory, quantitative calculations, and direct experiments in understanding, calculating, and measuring the energy differences between the lowest singlet and triplet states of organic diradicals. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 11792.	2.8	101
21	Photoelectron spectra of dihalomethyl anions: Testing the limits of normal mode analysis. <i>Journal of Chemical Physics</i> , 2011, 134, 184306.	3.0	11
22	Autobiography of W. Carl Lineberger. <i>Journal of Physical Chemistry A</i> , 2010, 114, 1227-1229.	2.5	2
23	Solvent-Mediated Electron Hopping: Long-Range Charge Transfer in $\text{IBr}^{\bullet-}(\text{CO})$. <i>Journal of Physical Chemistry A</i> , 2010, 114, 1227-1229.	2.6	23
24	Photoelectron spectroscopy of small $\text{IBr}^{\bullet-}(\text{CO})_n$ ($n=1-3$) cluster anions. <i>Journal of Chemical Physics</i> , 2009, 131, 064304.	3.0	23
25	The photoelectron spectrum of $\text{CCl}_2^{\bullet-}$: the convergence of theory and experiment after a decade of debate. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 4745.	2.8	29
26	The vibronic level structure of the cyclopentadienyl radical. <i>Journal of Chemical Physics</i> , 2008, 129, 084310.	3.0	52
27	Cluster anions: Structure, interactions, and dynamics in the sub-nanoscale regime. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 2018.	2.8	59
28	Thermochemistry and Electronic Structure of the Pyrrolyl Radical. <i>Journal of Physical Chemistry A</i> , 2004, 108, 10326-10335.	2.5	66
29	Photoelectron Spectroscopy of $\text{AuO}^{\bullet-}$ and $\text{AuS}^{\bullet-}$. <i>Journal of Physical Chemistry A</i> , 2004, 108, 11307-11313.	2.5	53
30	The Only Stable State of O_2^- is the $X^2\text{g}^-$ Ground State and It (Still!) Has an Adiabatic Electron Detachment Energy of 0.45 eV. <i>Journal of Physical Chemistry A</i> , 2003, 107, 8521-8529.	2.5	240
31	Photoelectron spectroscopy of $\text{HCCN}^{\bullet-}$ and $\text{HCNC}^{\bullet-}$ reveals the quasilinear triplet carbenes, $\text{HCCN}^{\bullet-}$ and $\text{HCNC}^{\bullet-}$. <i>Journal of Chemical Physics</i> , 2002, 117, 4323-4339.	3.0	52
32	Photoelectron spectroscopy of $\text{Si}_2\text{C}_3^{\bullet-}$ and quantum chemistry of the linear Si_2C_3 cluster and its isomers. <i>Journal of Chemical Physics</i> , 2002, 116, 3601-3611.	3.0	29
33	On the photoelectron spectrum of $\text{AgO}^{\bullet-}$. <i>Journal of Chemical Physics</i> , 2002, 117, 4074-4076.	3.0	12
34	Naphthyl Radical: Negative Ion Photoelectron Spectroscopy, Franck-Condon Simulation, and Thermochemistry. <i>Journal of Physical Chemistry A</i> , 2001, 105, 10822-10831.	2.5	128
35	Negative-Ion Photoelectron Spectroscopy, Gas-Phase Acidity, and Thermochemistry of the Peroxyl Radicals $\text{CH}_3\text{OO}^{\bullet-}$ and $\text{CH}_3\text{CH}_2\text{OO}^{\bullet-}$. <i>Journal of the American Chemical Society</i> , 2001, 123, 9585-9596.	13.7	142
36	Photoelectron spectroscopy of $\text{C}_3\text{Si}^{\bullet-}$ and $\text{C}_4\text{Si}_2^{\bullet-}$ anions. <i>Journal of Chemical Physics</i> , 2001, 115, 1789-1794.	3.0	14

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37	Photoelectron spectroscopy of SnO^- . Journal of Chemical Physics, 2000, 113, 8852-8853.	3.0	11
38	Negative ion photoelectron spectroscopy of OH^- (NH_3). Journal of Chemical Physics, 2000, 112, 4966-4973.	3.0	13
39	Vibronic structure of alkoxy radicals via photoelectron spectroscopy. Journal of Chemical Physics, 2000, 112, 1158-1169.	3.0	138
40	Spin-orbit relaxation and recombination dynamics in I_2^- (CO_2) $_n$ and I_2^- (OCS) $_n$ cluster ions: A new type of photofragment caging reaction. Journal of Chemical Physics, 1999, 111, 664-675.	3.0	51
41	Photoelectron spectroscopy of the trimethylenemethane negative ion. Journal of the American Society for Mass Spectrometry, 1999, 10, 800-809.	2.8	50
42	Photoelectron Spectroscopy of Benzoquinonide and Dehydrobenzoquinone Anions. Journal of the American Chemical Society, 1999, 121, 6047-6054.	13.7	19
43	Transient solvent dynamics and incoherent control of photodissociation pathways in I_2^- cluster ions. Journal of Chemical Physics, 1998, 108, 5155-5158.	3.0	28
44	Photoelectron spectroscopy, gas phase acidity, and thermochemistry of tert-butyl hydroperoxide: Mechanisms for the rearrangement of peroxy radicals. Journal of Chemical Physics, 1998, 109, 10293-10310.	3.0	71
45	Photochemistry of $(\text{OCS})_n^-$ cluster ions. Journal of Chemical Physics, 1998, 109, 1264-1270.	3.0	35
46	NH_2 electron affinity. Journal of Chemical Physics, 1989, 91, 2762-2763.	3.0	61