

# 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	The Only Stable State of O <sub>2</sub> Is the X <sup>2</sup> $\Sigma$ <sup>-g</sup> 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
2	Negative-Ion Photoelectron Spectroscopy, Gas-Phase Acidity, and Thermochemistry of the Peroxyl Radicals CH <sub>3</sub> OO and CH <sub>3</sub> CH <sub>2</sub> OO. <i>Journal of the American Chemical Society</i> , 2001, 123, 9585-9596.	13.7	142
3	Vibronic structure of alkoxy radicals via photoelectron spectroscopy. <i>Journal of Chemical Physics</i> , 2000, 112, 1158-1169.	3.0	138
4	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
5	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
6	Photoelectron spectroscopy, gas phase acidity, and thermochemistry of tert-butyl hydroperoxide: Mechanisms for the rearrangement of peroxy radicals. <i>Journal of Chemical Physics</i> , 1998, 109, 10293-10310.	3.0	71
7	Thermochemistry and Electronic Structure of the Pyrrolyl Radical. <i>Journal of Physical Chemistry A</i> , 2004, 108, 10326-10335.	2.5	66
8	NH <sub>2</sub> electron affinity. <i>Journal of Chemical Physics</i> , 1989, 91, 2762-2763.	3.0	61
9	Cluster anions: Structure, interactions, and dynamics in the sub-nanoscale regime. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 2018.	2.8	59
10	Encoding of vinylidene isomerization in its anion photoelectron spectrum. <i>Science</i> , 2017, 358, 336-339.	12.6	55
11	Photoelectron Spectroscopy of AuO <sup>-</sup> and AuS <sup>-</sup> . <i>Journal of Physical Chemistry A</i> , 2004, 108, 11307-11313.	2.5	53
12	Photoelectron spectroscopy of HCCN <sup>-</sup> and HCNC <sup>-</sup> reveals the quasilinear triplet carbenes, HCCN and HCNC. <i>Journal of Chemical Physics</i> , 2002, 117, 4323-4339.	3.0	52
13	The vibronic level structure of the cyclopentadienyl radical. <i>Journal of Chemical Physics</i> , 2008, 129, 084310.	3.0	52
14	Spin-orbit relaxation and recombination dynamics in I <sub>2</sub> <sup>-</sup> (CO <sub>2</sub> ) <sub>n</sub> and I <sub>2</sub> <sup>-</sup> (OCS) <sub>n</sub> cluster ions: A new type of photofragment caging reaction. <i>Journal of Chemical Physics</i> , 1999, 111, 664-675.	3.0	51
15	Photoelectron spectroscopy of the trimethylenemethane negative ion. <i>Journal of the American Society for Mass Spectrometry</i> , 1999, 10, 800-809.	2.8	50
16	Photoelectron Spectroscopic Study of the Oxyallyl Diradical. <i>Journal of Physical Chemistry A</i> , 2011, 115, 1634-1649.	2.5	43
17	Once upon Anion: A Tale of Photodetachment. <i>Annual Review of Physical Chemistry</i> , 2013, 64, 21-36.	10.8	39
18	Photochemistry of (OCS) <sub>n</sub> <sup>-</sup> cluster ions. <i>Journal of Chemical Physics</i> , 1998, 109, 1264-1270.	3.0	35

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19	Experimental and Theoretical Studies of the Reactivity and Thermochemistry of Dicyanamide: $N(CN)_2$ . Journal of Physical Chemistry A, 2016, 120, 992-999.	2.5	30
20	Photoelectron spectroscopy of $Si_2C_3^-$ and quantum chemistry of the linear $Si_2C_3$ cluster and its isomers. Journal of Chemical Physics, 2002, 116, 3601-3611.	3.0	29
21	The photoelectron spectrum of $CCl_2^-$ : the convergence of theory and experiment after a decade of debate. Physical Chemistry Chemical Physics, 2009, 11, 4745.	2.8	29
22	C-H Bond Strengths and Acidities in Aromatic Systems: Effects of Nitrogen Incorporation in Mono-, Di-, and Triazines. Journal of the American Chemical Society, 2012, 134, 6584-6595.	13.7	29
23	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
24	Photoelectron Spectroscopy of the Methide Anion: Electron Affinities of $CH_3^-$ and $CD_3^-$ and Inversion Splittings of $CH_3^-$ and $CD_3^-$ . Journal of the American Chemical Society, 2015, 137, 12939-12945.	13.7	25
25	Photoelectron spectroscopy of small $IBr^-(CO_2)_n$ ( $n=3$ ) cluster anions. Journal of Chemical Physics, 2009, 131, 064304.	3.0	23
26	Solvent-Mediated Electron Hopping: Long-Range Charge Transfer in $IBr^-$ (CO) $Tj ETQq0 0 0 rgBT / Overlock 10 Jf 50 462 T$	12.6	23
27	Photoelectron Spectroscopy of Benzoquinonide and Dehydrobenzoquinone Anions. Journal of the American Chemical Society, 1999, 121, 6047-6054.	13.7	19
28	A versatile, pulsed anion source utilizing plasma-entrainment: Characterization and applications. Journal of Chemical Physics, 2015, 142, 044201.	3.0	18
29	Photoelectron spectroscopy of $C_3Si$ and $C_4Si_2$ anions. Journal of Chemical Physics, 2001, 115, 1789-1794.	3.0	14
30	Negative ion photoelectron spectroscopy of $OH^-(NH_3)$ . Journal of Chemical Physics, 2000, 112, 4966-4973.	3.0	13
31	On the photoelectron spectrum of $AgO^-$ . Journal of Chemical Physics, 2002, 117, 4074-4076.	3.0	12
32	Photoelectron spectroscopy of $SnO^-$ . Journal of Chemical Physics, 2000, 113, 8852-8853.	3.0	11
33	Photoelectron spectra of dihalomethyl anions: Testing the limits of normal mode analysis. Journal of Chemical Physics, 2011, 134, 184306.	3.0	11
34	New view of the $ICN^-$ A continuum using photoelectron spectroscopy of $ICN^-$ . Journal of Chemical Physics, 2012, 136, 044313.	3.0	11
35	Anion photoelectron spectroscopy of deprotonated ortho-, meta-, and para-methylphenol. Journal of Chemical Physics, 2017, 146, 074302.	3.0	11
36	Gas-Phase Reactions of Deprotonated Nucleobases with H, N, and O Atoms. Journal of Physical Chemistry Letters, 2019, 10, 4863-4867.	4.6	11

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37	Photoelectron spectroscopy of the hydroxymethoxide anion, $\text{H}_2\text{C}(\text{OH})\text{O}^-$ . Journal of Chemical Physics, 2016, 145, 124317.	3.0	8
38	Nonadiabatic photofragmentation dynamics of $\text{BrCN}^-$ . Journal of Chemical Physics, 2014, 141, 084305.	3.0	7
39	Photoelectron Spectroscopy of <i>cis</i> -Nitrous Acid Anion ( $\text{HONO}^-$ ). Journal of Physical Chemistry A, 2016, 120, 1652-1660.	2.5	7
40	Gas-Phase Acidities of Nitrated Azoles as Determined by the Extended Kinetic Method and Computations. Journal of Physical Chemistry A, 2015, 119, 395-402.	2.5	6
41	Photoelectron spectroscopy of the thiazate ( $\text{NSO}^-$ ) and thionitrite ( $\text{SNO}^-$ ) isomer anions. Journal of Chemical Physics, 2017, 147, 013943.	3.0	5
42	Anion photoelectron spectroscopy of deprotonated indole and indoline. Journal of Chemical Physics, 2018, 148, 064307.	3.0	5
43	Visible spectrum photofragmentation of $\text{O}_3^-(\text{H}_2\text{O})_n$ , $n \leq 16$ . Journal of Chemical Physics, 2014, 141, 154312.	3.0	3
44	Autobiography of W. Carl Lineberger. Journal of Physical Chemistry A, 2010, 114, 1227-1229.	2.5	2
45	Photoelectron spectroscopy and thermochemistry of <i>o</i> -, <i>m</i> -, and <i>p</i> -methylenephenoxy anions. Physical Chemistry Chemical Physics, 2018, 20, 25203-25216.	2.8	2
46	Photoelectron Spectroscopy of the Aminomethoxide Anion, $\text{H}_2\text{C}(\text{NH}_2)\text{O}^-$ . Journal of Physical Chemistry A, 2018, 122, 4954-4962.	2.5	1