Eleanor M Waxman

List of Publications by Citations

22 papers	702 citations	14 h-index	26 g-index
28 ext. papers	855 ext. citations	5.9 avg, IF	3.82 L-index

#	Paper	IF	Citations
22	Effective Henry's law partitioning and the salting constant of glyoxal in aerosols containing sulfate. *Environmental Science & Technology*, **2013**, 47, 4236-44	10.3	91
21	Gas-phase broadband spectroscopy using active sources: progress, status, and applications. *Journal of the Optical Society of America B: Optical Physics*, **2017**, 34, 104-129	1.7	77
20	Wheat gluten-thiolated poly(vinyl alcohol) blends with improved mechanical properties. *Biomacromolecules*, **2006**, 7, 2837-44	6.9	73
19	Secondary organic aerosol formation from semi- and intermediate-volatility organic compounds and glyoxal: Relevance of O/C as a tracer for aqueous multiphase chemistry. *Geophysical Research Letters*, **2013**, 40, 978-982	4.9	63
18	Glyoxal and Methylglyoxal Setschenow Salting Constants in Sulfate, Nitrate, and Chloride Solutions: Measurements and Gibbs Energies. *Environmental Science & Technology*, **2015**, 49, 11500-8	10.3	55
17	Open-path dual comb spectroscopy to an airborne retroreflector. *Optica*, **2017**, 4, 724-728	8.6	52
16	Accurate frequency referencing for fieldable dual-comb spectroscopy. *Optics Express*, **2016**, 24, 30495-30504	3.5	49
15	Potential of Aerosol Liquid Water to Facilitate Organic Aerosol Formation: Assessing Knowledge Gaps about Precursors and Partitioning. *Environmental Science & Technology*, **2017**, 51, 3327-3335	10.3	45
14	Mid-infrared dual-comb spectroscopy of volatile organic compounds across long open-air paths. *Optica*, **2019**, 6, 165	8.6	42
13	Intercomparison of open-path trace gas measurements with two dual-frequency-comb spectrometers. *Atmospheric Measurement Techniques*, **2017**, 10, 3295-3311	4	33
12	Computational study of the effect of glyoxal-sulfate clustering on the Henry's law coefficient of glyoxal. *Journal of Physical Chemistry A*, **2015**, 119, 4509-14	2.8	29
11	Imaging and thermal studies of wheat gluten/poly(vinyl alcohol) and wheat gluten/thiolated poly(vinyl alcohol) blends. *Biomacromolecules*, **2008**, 9, 568-73	6.9	21
10	Broadband coherent cavity-enhanced dual-comb spectroscopy. *Optica*, **2019**, 6, 28	8.6	21
9	Can COSMOTherm Predict a Salting in Effect?. *Journal of Physical Chemistry A*, **2017**, 121, 6288-6295	2.8	14
8	Intercomparison of Open-Path Trace Gas Measurements with Two Dual Frequency Comb Spectrometers. *Atmospheric Measurement Techniques*, **2017**, 10, 3295-3311	4	10
7	Real-time liquid-phase organic reaction monitoring with mid-infrared attenuated total reflectance dual frequency comb spectroscopy. *Journal of Molecular Spectroscopy*, **2019**, 356, 39-45	1.3	9
6	Estimating vehicle carbon dioxide emissions from Boulder, Colorado, using horizontal path-integrated column measurements. *Atmospheric Chemistry and Physics*, **2019**, 19,	6.8	9

List of Publications

5	Precise multispecies agricultural gas flux determined using broadband open-path dual-comb spectroscopy. *Science Advances*, **2021**, 7,	14.3	8
4	Micrometeorological flux measurements using spatially- scanned open-path dual-comb spectroscopy **2020**,		1
3	Remote sensing using open-path dual-comb spectroscopy **2021**, 27-93		0
2	Measurements of the absorption cross section of (13)CHO(13)CHO at visible wavelengths and application to DOAS retrievals. *Journal of Physical Chemistry A*, **2015**, 119, 4651-7	2.8	
1	Novel Pathways to Form Secondary Organic Aerosols: Glyoxal SOA in WRF/Chem. *Springer Proceedings in Complexity*, **2014**, 149-154	0.3	