

Eleanor M Waxman

List of Publications by Year in descending order

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27
papers

966
citations

567281

15
h-index

888059

17
g-index

28
all docs

28
docs citations

28
times ranked

1309
citing authors

#	ARTICLE	IF	CITATIONS
1	Effective Henry's Law Partitioning and the Salting Constant of Glyoxal in Aerosols Containing Sulfate. <i>Environmental Science & Technology</i> , 2013, 47, 4236-4244.	10.0	115
2	Gas-phase broadband spectroscopy using active sources: progress, status, and applications [Invited]. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2017, 34, 104.	2.1	105
3	Open-path dual-comb spectroscopy to an airborne retroreflector. <i>Optica</i> , 2017, 4, 724.	9.3	81
4	Wheat Gluten-Thiolated Poly(vinyl alcohol) Blends with Improved Mechanical Properties. <i>Biomacromolecules</i> , 2006, 7, 2837-2844.	5.4	79
5	Accurate frequency referencing for fieldable dual-comb spectroscopy. <i>Optics Express</i> , 2016, 24, 30495.	3.4	77
6	Secondary organic aerosol formation from semi- and intermediate volatility organic compounds and glyoxal: Relevance of O/C as a tracer for aqueous multiphase chemistry. <i>Geophysical Research Letters</i> , 2013, 40, 978-982.	4.0	69
7	Mid-infrared dual-comb spectroscopy of volatile organic compounds across long open-air paths. <i>Optica</i> , 2019, 6, 165.	9.3	67
8	Glyoxal and Methylglyoxal Setschenow Salting Constants in Sulfate, Nitrate, and Chloride Solutions: Measurements and Gibbs Energies. <i>Environmental Science & Technology</i> , 2015, 49, 11500-11508.	10.0	64
9	Intercomparison of open-path trace gas measurements with two dual-frequency-comb spectrometers. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 3295-3311.	3.1	57
10	Potential of Aerosol Liquid Water to Facilitate Organic Aerosol Formation: Assessing Knowledge Gaps about Precursors and Partitioning. <i>Environmental Science & Technology</i> , 2017, 51, 3327-3335.	10.0	55
11	Broadband coherent cavity-enhanced dual-comb spectroscopy. <i>Optica</i> , 2019, 6, 28.	9.3	38
12	Computational Study of the Effect of Glyoxal-Sulfate Clustering on the Henry's Law Coefficient of Glyoxal. <i>Journal of Physical Chemistry A</i> , 2015, 119, 4509-4514.	2.5	35
13	Precise multispecies agricultural gas flux determined using broadband open-path dual-comb spectroscopy. <i>Science Advances</i> , 2021, 7, .	10.3	32
14	Estimating vehicle carbon dioxide emissions from Boulder, Colorado, using horizontal path-integrated column measurements. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 4177-4192.	4.9	25
15	Imaging and Thermal Studies of Wheat Gluten/Poly(vinyl alcohol) and Wheat Gluten/Thiolated Poly(vinyl alcohol) Blends. <i>Biomacromolecules</i> , 2008, 9, 568-573.	5.4	22
16	Can COSMOTherm Predict a Salting in Effect?. <i>Journal of Physical Chemistry A</i> , 2017, 121, 6288-6295.	2.5	17
17	Real-time liquid-phase organic reaction monitoring with mid-infrared attenuated total reflectance dual frequency comb spectroscopy. <i>Journal of Molecular Spectroscopy</i> , 2019, 356, 39-45.	1.2	11
18	Intercomparison of Open-Path Trace Gas Measurements with Two Dual Frequency Comb Spectrometers. , 2017, 10, 3295-3311.		11

#	ARTICLE	IF	CITATIONS
19	Remote sensing using open-path dual-comb spectroscopy. , 2021, , 27-93.		5
20	Micrometeorological flux measurements using spatially- scanned open-path dual-comb spectroscopy. , 2020, , .		1
21	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, 4651-4657.	2.5	0
22	Novel Pathways to Form Secondary Organic Aerosols: Glyoxal SOA in WRF/Chem. Springer Proceedings in Complexity, 2014, , 149-154.	0.3	0
23	Dual Frequency Comb Spectroscopy for Trace Gas Monitoring Over Open-Air Paths. , 2017, , .		0
24	Open Path MIR DCS for Chemical Detection. , 2018, , .		0
25	Open-Path Dual Frequency Comb Spectroscopy Applied to Source Quantification. , 2018, , .		0
26	Comparison of Livestock Emissions Measurements Using Open-Path Dual-Comb Spectroscopy and Closed-Path Cavity Ring-Down Spectroscopy. , 2020, , .		0
27	Beef cattle feedlot emissions measured using open-path dual-comb spectroscopy. , 2020, , .		0