

# Zoe Loh

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

1,452  
citations

361045

20  
h-index

329751

37  
g-index

40  
all docs

40  
docs citations

40  
times ranked

2217  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance of open-path lasers and Fourier transform infrared spectroscopic systems in agriculture emissions research. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 3593-3610.	1.2	12
2	Strong Southern Ocean carbon uptake evident in airborne observations. <i>Science</i> , 2021, 374, 1275-1280.	6.0	44
3	Australian chlorofluorocarbon (CFC) emissions: 1960–2017. <i>Environmental Chemistry</i> , 2020, 17, 525.	0.7	6
4	Quantifying methane emissions from Queensland's coal seam gas producing Surat Basin using inventory data and a regional Bayesian inversion. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 15487-15511.	1.9	8
5	Ship-Based Contributions to Global Ocean, Weather, and Climate Observing Systems. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	34
6	Composition of Clean Marine Air and Biogenic Influences on VOCs during the MUMBA Campaign. <i>Atmosphere</i> , 2019, 10, 383.	1.0	8
7	Modelling CO <sub>2</sub> weather – why horizontal resolution matters. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 7347-7376.	1.9	49
8	Identification of platform exhaust on the RV Investigator. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 3019-3038.	1.2	15
9	Characterizing Atmospheric Transport Pathways to Antarctica and the Remote Southern Ocean Using Radon-222. <i>Frontiers in Earth Science</i> , 2018, 6, .	0.8	37
10	Observations of Ice Nucleating Particles Over Southern Ocean Waters. <i>Geophysical Research Letters</i> , 2018, 45, 11,989.	1.5	110
11	History of chemically and radiatively important atmospheric gases from the Advanced Global Atmospheric Gases Experiment (AGAGE). <i>Earth System Science Data</i> , 2018, 10, 985-1018.	3.7	179
12	Simulations of atmospheric methane for Cape Grim, Tasmania, to constrain southeastern Australian methane emissions. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 305-317.	1.9	9
13	Locating and quantifying greenhouse gas emissions at a geological CO <sub>2</sub> storage site using atmospheric modeling and measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 10,959-10,979.	1.2	22
14	Sensitivity of CO <sub>2</sub> leak detection using a single atmospheric station. <i>Energy Procedia</i> , 2014, 63, 3907-3914.	1.8	5
15	Gaseous Nitrogen Emissions from Australian Cattle Feedlots. , 2014, , 23-29.		3
16	Off-line algorithm for calculation of vertical tracer transport in the troposphere due to deep convection. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 1093-1114.	1.9	27
17	TransCom model simulations of methane: Comparison of vertical profiles with aircraft measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 3891-3904.	1.2	24
18	TransCom model simulations of CH <sub>4</sub> and related species: linking transport, surface flux and chemical loss with CH <sub>4</sub> variability in the troposphere and lower stratosphere. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 12813-12837.	1.9	331

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19	Atmospheric tomography to locate CO <sub>2</sub> leakage at storage sites. <i>Energy Procedia</i> , 2011, 4, 3502-3509.	1.8	7
20	Atmospheric monitoring of the CO <sub>2</sub> CRC Otway Project and lessons for large scale CO <sub>2</sub> storage projects. <i>Energy Procedia</i> , 2011, 4, 3666-3675.	1.8	35
21	Infrared Spectra and ab initio Calculations for Fluoride-acetylene Clusters: F <sup>-</sup> -(HCCH) <sub>n</sub> , n=3 - 6. <i>Australian Journal of Chemistry</i> , 2011, 64, 633.	0.5	2
22	Testing Lagrangian atmospheric dispersion modelling to monitor CO <sub>2</sub> and CH <sub>4</sub> leakage from geosequestration. <i>Atmospheric Environment</i> , 2009, 43, 2602-2611.	1.9	46
23	Methane emissions from feedlot cattle in Australia and Canada. <i>Australian Journal of Experimental Agriculture</i> , 2008, 48, 183.	1.0	41
24	Emissions of the indirect greenhouse gases NH <sub>3</sub> and NO <sub>x</sub> from Australian beef cattle feedlots. <i>Australian Journal of Experimental Agriculture</i> , 2008, 48, 213.	1.0	40
25	Measurement of greenhouse gas emissions from Australian feedlot beef production using open-path spectroscopy and atmospheric dispersion modelling. <i>Australian Journal of Experimental Agriculture</i> , 2008, 48, 244.	1.0	57
26	Infrared Spectra and Ab Initio Calculations for the F <sup>-</sup> (CH <sub>4</sub> ) <sub>n</sub> (n= 1~8) Anion Clusters. <i>Journal of Physical Chemistry A</i> , 2006, 110, 13736-13743.	1.1	25
27	Infrared spectra of the Cl <sup>-</sup> (C <sub>2</sub> H <sub>4</sub> ) and Br <sup>-</sup> (C <sub>2</sub> H <sub>4</sub> ) anion dimers. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 3419.	1.3	7
28	Infrared Spectra and ab Initio Calculations for the Cl <sup>-</sup> (CH <sub>4</sub> ) <sub>n</sub> (n= 1~10) Anion Clusters. <i>Journal of Physical Chemistry A</i> , 2005, 109, 8481-8486.	1.1	16
29	Isomeric interconversion in the linear Cl <sup>-</sup> -HD anion complex. <i>Journal of Chemical Physics</i> , 2004, 121, 2085-2093.	1.2	15
30	The infrared spectrum of the F <sup>-</sup> (H <sub>2</sub> ) anion complex. <i>Chemical Physics Letters</i> , 2004, 393, 517-520.	1.2	15
31	Structures of F <sup>-</sup> (CH <sub>4</sub> ) <sub>n</sub> and Cl <sup>-</sup> (CH <sub>4</sub> ) <sub>n</sub> (n = 1,2) Anion Clusters Elucidated through Ab Initio Calculations and Infrared Spectra. <i>Australian Journal of Chemistry</i> , 2004, 57, 1157.	0.5	18
32	Locating and confirming the C-H stretch bands of the halide-acetylene anion complexes using argon predissociation spectroscopy. <i>Chemical Physics Letters</i> , 2003, 369, 684-690.	1.2	9
33	Cl <sup>-</sup> (C <sub>6</sub> H <sub>6</sub> ), Br <sup>-</sup> (C <sub>6</sub> H <sub>6</sub> ), and I <sup>-</sup> (C <sub>6</sub> H <sub>6</sub> ) anion complexes: Infrared spectra and ab initio calculations. <i>Journal of Chemical Physics</i> , 2003, 119, 9559-9567.	1.2	49
34	Br <sup>-</sup> -H <sub>2</sub> and I <sup>-</sup> -H <sub>2</sub> anion complexes: Infrared spectra and radial intermolecular potential energy curves. <i>Journal of Chemical Physics</i> , 2002, 117, 3256-3262.	1.2	35
35	Infrared Spectra of Size Selected Cl <sup>-</sup> (D <sub>2</sub> ) and F <sup>-</sup> (D <sub>2</sub> ) Anion Clusters. <i>Journal of Physical Chemistry A</i> , 2002, 106, 906-910.	1.1	13
36	Infrared spectra of the F <sup>-</sup> (CH <sub>4</sub> ) and Br <sup>-</sup> (CH <sub>4</sub> ) anion complexes. <i>International Journal of Mass Spectrometry</i> , 2002, 220, 273-280.	0.7	23

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37	The Cl <sup>-</sup> ⋯CH <sub>4</sub> anion dimer: mid infrared spectrum and ab initio calculations. Chemical Physics Letters, 2000, 332, 531-537.	1.2	33
38	Infrared spectra of Br <sup>-</sup> ⋯(C <sub>2</sub> H <sub>2</sub> ) complexes. Chemical Physics Letters, 2000, 323, 49-54.	1.2	18
39	Structural and energetic properties of the Br <sup>-</sup> ⋯C <sub>2</sub> H <sub>2</sub> anion complex from rotationally resolved mid-infrared spectra and ab initio calculations. Journal of Chemical Physics, 2000, 113, 1075-1080.	1.2	21