

Zoe Loh

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

1,452
citations

361413

20
h-index

330143

37
g-index

40
all docs

40
docs citations

40
times ranked

2217
citing authors

#	ARTICLE	IF	CITATIONS
1	TransCom model simulations of CH ₄ and related species: linking transport, surface flux and chemical loss with CH ₄ variability in the troposphere and lower stratosphere. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 12813-12837.	4.9	331
2	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.	9.9	179
3	Observations of Ice Nucleating Particles Over Southern Ocean Waters. <i>Geophysical Research Letters</i> , 2018, 45, 11,989.	4.0	110
4	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
5	Cl ⁻ -C ₆ H ₆ , Br ⁻ -C ₆ H ₆ , and I ⁻ -C ₆ H ₆ anion complexes: Infrared spectra and ab initio calculations. <i>Journal of Chemical Physics</i> , 2003, 119, 9559-9567.	3.0	49
6	Modelling CO ₂ weather – why horizontal resolution matters. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 7347-7376.	4.9	49
7	Testing Lagrangian atmospheric dispersion modelling to monitor CO ₂ and CH ₄ leakage from geosequestration. <i>Atmospheric Environment</i> , 2009, 43, 2602-2611.	4.1	46
8	Strong Southern Ocean carbon uptake evident in airborne observations. <i>Science</i> , 2021, 374, 1275-1280.	12.6	44
9	Methane emissions from feedlot cattle in Australia and Canada. <i>Australian Journal of Experimental Agriculture</i> , 2008, 48, 183.	1.0	41
10	Emissions of the indirect greenhouse gases NH ₃ and NO _x from Australian beef cattle feedlots. <i>Australian Journal of Experimental Agriculture</i> , 2008, 48, 213.	1.0	40
11	Characterizing Atmospheric Transport Pathways to Antarctica and the Remote Southern Ocean Using Radon-222. <i>Frontiers in Earth Science</i> , 2018, 6, .	1.8	37
12	Br ⁻ -H ₂ and I ⁻ -H ₂ anion complexes: Infrared spectra and radial intermolecular potential energy curves. <i>Journal of Chemical Physics</i> , 2002, 117, 3256-3262.	3.0	35
13	Atmospheric monitoring of the CO ₂ CRC Otway Project and lessons for large scale CO ₂ storage projects. <i>Energy Procedia</i> , 2011, 4, 3666-3675.	1.8	35
14	Ship-Based Contributions to Global Ocean, Weather, and Climate Observing Systems. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	34
15	The Cl ⁻ -CH ₄ anion dimer: mid infrared spectrum and ab initio calculations. <i>Chemical Physics Letters</i> , 2000, 332, 531-537.	2.6	33
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.	4.9	27
17	Infrared Spectra and Ab Initio Calculations for the F ⁻ (CH ₄) _n (n= 1-8) Anion Clusters. <i>Journal of Physical Chemistry A</i> , 2006, 110, 13736-13743.	2.5	25
18	TransCom model simulations of methane: Comparison of vertical profiles with aircraft measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 3891-3904.	3.3	24

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19	Infrared spectra of the F ⁻ -CH ₄ and Br ⁻ -CH ₄ anion complexes. International Journal of Mass Spectrometry, 2002, 220, 273-280.	1.5	23
20	Locating and quantifying greenhouse gas emissions at a geological CO ₂ storage site using atmospheric modeling and measurements. Journal of Geophysical Research D: Atmospheres, 2014, 119, 10,959-10,979.	3.3	22
21	Structural and energetic properties of the Br ⁻ -C ₂ H ₂ anion complex from rotationally resolved mid-infrared spectra and ab initio calculations. Journal of Chemical Physics, 2000, 113, 1075-1080.	3.0	21
22	Infrared spectra of Br ⁻ -(C ₂ H ₂) complexes. Chemical Physics Letters, 2000, 323, 49-54.	2.6	18
23	Structures of F ⁻ -(CH ₄) _n and Cl ⁻ -(CH ₄) _n (n = 1,2) Anion Clusters Elucidated through Ab Initio Calculations and Infrared Spectra. Australian Journal of Chemistry, 2004, 57, 1157.	0.9	18
24	Infrared Spectra and ab Initio Calculations for the Cl ⁻ -(CH ₄) _n (n= 1-10) Anion Clusters. Journal of Physical Chemistry A, 2005, 109, 8481-8486.	2.5	16
25	Isomeric interconversion in the linear Cl ⁻ -HD anion complex. Journal of Chemical Physics, 2004, 121, 2085-2093.	3.0	15
26	The infrared spectrum of the F ⁻ -H ₂ anion complex. Chemical Physics Letters, 2004, 393, 517-520.	2.6	15
27	Identification of platform exhaust on the RV Investigator. Atmospheric Measurement Techniques, 2019, 12, 3019-3038.	3.1	15
28	Infrared Spectra of Size Selected Cl ⁻ -(D ₂) _n and F ⁻ -(D ₂) _n Anion Clusters. Journal of Physical Chemistry A, 2002, 106, 906-910.	2.5	13
29	Performance of open-path lasers and Fourier transform infrared spectroscopic systems in agriculture emissions research. Atmospheric Measurement Techniques, 2022, 15, 3593-3610.	3.1	12
30	Locating and confirming the C-H stretch bands of the halide-acetylene anion complexes using argon predissociation spectroscopy. Chemical Physics Letters, 2003, 369, 684-690.	2.6	9
31	Simulations of atmospheric methane for Cape Grim, Tasmania, to constrain southeastern Australian methane emissions. Atmospheric Chemistry and Physics, 2015, 15, 305-317.	4.9	9
32	Composition of Clean Marine Air and Biogenic Influences on VOCs during the MUMBA Campaign. Atmosphere, 2019, 10, 383.	2.3	8
33	Quantifying methane emissions from Queensland's coal seam gas producing Surat Basin using inventory data and a regional Bayesian inversion. Atmospheric Chemistry and Physics, 2020, 20, 15487-15511.	4.9	8
34	Infrared spectra of the Cl ⁻ -C ₂ H ₄ and Br ⁻ -C ₂ H ₄ anion dimers. Physical Chemistry Chemical Physics, 2005, 7, 3419.	2.8	7
35	Atmospheric tomography to locate CO ₂ leakage at storage sites. Energy Procedia, 2011, 4, 3502-3509.	1.8	7
36	Australian chlorofluorocarbon (CFC) emissions: 1960-2017. Environmental Chemistry, 2020, 17, 525.	1.5	6

#	ARTICLE	IF	CITATIONS
37	Sensitivity of CO2 leak detection using a single atmospheric station. Energy Procedia, 2014, 63, 3907-3914.	1.8	5
38	Gaseous Nitrogen Emissions from Australian Cattle Feedlots. , 2014, , 23-29.		3
39	Infrared Spectra and ab initio Calculations for Fluoride-acetylene Clusters: F ⁻ -(HCCH) _n , n=3 - 6. Australian Journal of Chemistry, 2011, 64, 633.	0.9	2