Zoe Loh

List of Publications by Year
in descending order

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	TransCom model simulations of CH₄ and related species: linking transport, surface flux and chemical loss with CH₄ variability in the troposphere and lower stratosphere. Atmospheric Chemistry and Physics, 2011, 11, 12813-12837.	1.9	331
2	History of chemically and radiatively important atmospheric gases from the Advanced Global Atmospheric Gases Experiment (AGAGE). Earth System Science Data, 2018, 10, 985-1018.	3.7	179
3	Observations of Ice Nucleating Particles Over Southern Ocean Waters. Geophysical Research Letters, 2018, 45, 11,989.	1.5	110
4	Measurement of greenhouse gas emissions from Australian feedlot beef production using open-path spectroscopy and atmospheric dispersion modelling. Australian Journal of Experimental Agriculture, 2008, 48, 244.	1.0	57
5	Clâ^'â€“C6H6, Brâ^'â€“C6H6, and Iâ^'â€“C6H6 anion complexes: Infrared spectra and ab initio calculations. Journal of Chemical Physics, 2003, 119, 9559-9567.	1.2	49
6	Modelling CO₂ weather â€“ why horizontal resolution matters. Atmospheric Chemistry and Physics, 2019, 19, 7347-7376.	1.9	49
7	Testing Lagrangian atmospheric dispersion modelling to monitor CO2 and CH4 leakage from geosequestration. Atmospheric Environment, 2009, 43, 2602-2611.	1.9	46
8	Strong Southern Ocean carbon uptake evident in airborne observations. Science, 2021, 374, 1275-1280.	6.0	44
9	Methane emissions from feedlot cattle in Australia and Canada. Australian Journal of Experimental Agriculture, 2008, 48, 183.	1.0	41
10	Emissions of the indirect greenhouse gases NH3 and NOx from Australian beef cattle feedlots. Australian Journal of Experimental Agriculture, 2008, 48, 213.	1.0	40
11	Characterizing Atmospheric Transport Pathways to Antarctica and the Remote Southern Ocean Using Radon-222. Frontiers in Earth Science, 2018, 6, .	0.8	37
12	Brâ^'-H2 and Iâ^'-H2 anion complexes: Infrared spectra and radial intermolecular potential energy curves. Journal of Chemical Physics, 2002, 117, 3256-3262.	1.2	35
13	Atmospheric monitoring of the CO2CRC Otway Project and lessons for large scale CO2 storage projects. Energy Procedia, 2011, 4, 3666-3675.	1.8	35
14	Ship-Based Contributions to Global Ocean, Weather, and Climate Observing Systems. Frontiers in Marine Science, 2019, 6, .	1.2	34
15	The Clâ^'â€“CH4 anion dimer: mid infrared spectrum and ab initio calculations. Chemical Physics Letters, 2000, 332, 531-537.	1.2	33
16	Off-line algorithm for calculation of vertical tracer transport in the troposphere due to deep convection. Atmospheric Chemistry and Physics, 2013, 13, 1093-1114.	1.9	27
17	Infrared Spectra and Ab Initio Calculations for the F-â^'(CH4)n(n= 1â^'8) Anion Clusters. Journal of Physical Chemistry A, 2006, 110, 13736-13743.	1.1	25
18	TransCom model simulations of methane: Comparison of vertical profiles with aircraft measurements. Journal of Geophysical Research D: Atmospheres, 2013, 118, 3891-3904.	1.2	24

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19	Infrared spectra of the Fâ˜'â€“CH4 and Brâ˜'â€“CH4 anion complexes. International Journal of Mass Spectrometry, 2002, 220, 273-280.	0.7	23
20	Locating and quantifying greenhouse gas emissions at a geological CO₂storage site using atmospheric modeling and measurements. Journal of Geophysical Research D: Atmospheres, 2014, 119, 10,959-10,979.	1.2	22
21	Structural and energetic properties of the Brâ˜'â€“C2H2 anion complex from rotationally resolved mid-infrared spectra and ab initio calculations. Journal of Chemical Physics, 2000, 113, 1075-1080.	1.2	21
22	Infrared spectra of Brâ˜'-(C2H2) complexes. Chemical Physics Letters, 2000, 323, 49-54.	1.2	18
23	Structures of F - -(CH4)n and Cl - -(CH4)n (n = 1,2) Anion Clusters Elucidated through Ab Initio Calculations and Infrared Spectra. Australian Journal of Chemistry, 2004, 57, 1157.	0.5	18
24	Infrared Spectra and ab Initio Calculations for the Cl-â˜'(CH4)n(n= 1â˜'10) Anion Clusters. Journal of Physical Chemistry A, 2005, 109, 8481-8486.	1.1	16
25	Isomeric interconversion in the linear Clâ˜'-HD anion complex. Journal of Chemical Physics, 2004, 121, 2085-2093.	1.2	15
26	The infrared spectrum of the Fâ˜'â€“H2 anion complex. Chemical Physics Letters, 2004, 393, 517-520.	1.2	15
27	Identification of platform exhaust on the RV <i>Investigator</i>. Atmospheric Measurement Techniques, 2019, 12, 3019-3038.	1.2	15
28	Infrared Spectra of Size Selected Cl-â˜'(D2)nand F-â˜'(D2)nAnion Clusters. Journal of Physical Chemistry A, 2002, 106, 906-910.	1.1	13
29	Performance of open-path lasers and Fourier transform infrared spectroscopic systems in agriculture emissions research. Atmospheric Measurement Techniques, 2022, 15, 3593-3610.	1.2	12
30	Locating and confirming the Câ€“H stretch bands of the halideâ€“acetylene anion complexes using argon predissociation spectroscopy. Chemical Physics Letters, 2003, 369, 684-690.	1.2	9
31	Simulations of atmospheric methane for Cape Grim, Tasmania, to constrain southeastern Australian methane emissions. Atmospheric Chemistry and Physics, 2015, 15, 305-317.	1.9	9
32	Composition of Clean Marine Air and Biogenic Influences on VOCs during the MUMBA Campaign. Atmosphere, 2019, 10, 383.	1.0	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.	1.9	8
34	Infrared spectra of the Clâ€“â€“C2H4 and Brâ€“â€“C2H4 anion dimers. Physical Chemistry Chemical Physics, 2005, 7, 3419.	1.3	7
35	Atmospheric tomography to locate CO2 leakage at storage sites. Energy Procedia, 2011, 4, 3502-3509.	1.8	7
36	Australian chlorofluorocarbon (CFC) emissions: 1960â€“2017. Environmental Chemistry, 2020, 17, 525.	0.7	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.	0.5	2