Jeremy David Silver

List of Publications by Year
in descending order

55 papers	3,335 citations	257429 24 h-index	161844 54 g-index
73 all docs	73 docs citations	73 times ranked	6563 citing authors

#	Article	IF	Citations
1	Study of Planetary Boundary Layer, Air Pollution, Air Quality Models and Aerosol Transport Using Ceilometers in New South Wales (NSW), Australia. Atmosphere, 2022, 13, 176.	2.3	5
2	High-resolution modeling of gaseous air pollutants over Tehran and validation with surface and satellite data. Atmospheric Environment, 2022, 270, 118881.	4.1	4
3	Interannual variability in the Australian carbon cycle over 2015â€“2019, based on assimilation of Orbiting Carbon Observatory-2 (OCO-2) satellite data. Atmospheric Chemistry and Physics, 2022, 22, 8897-8934.	4.9	5
4	A Pilot Forecasting System for Epidemic Thunderstorm Asthma in Southeastern Australia. Bulletin of the American Meteorological Society, 2021, 102, E399-E420.	3.3	20
5	Air quality and health impact of 2019â€“20 Black Summer megafires and COVID-19 lockdown in Melbourne and Sydney, Australia. Environmental Pollution, 2021, 274, 116498.	7.5	36
6	Atmospheric modelling of grass pollen rupturing mechanisms for thunderstorm asthma prediction. PLoS ONE, 2021, 16, e0249488.	2.5	25
7	Was Australia a sink or source of CO₂ in 2015? Data assimilation using OCO-2 satellite measurements. Atmospheric Chemistry and Physics, 2021, 21, 17453-17494.	4.9	8
8	Crowd-sourced allergic rhinitis symptom data: The influence of environmental and demographic factors. Science of the Total Environment, 2020, 705, 135147.	8.0	16
9	Using crowd-sourced allergic rhinitis symptom data to improve grass pollen forecasts and predict individual symptoms. Science of the Total Environment, 2020, 720, 137351.	8.0	16
10	Are convergence lines associated with high asthma presentation days? A case-control study in Melbourne, Australia. Science of the Total Environment, 2020, 737, 140263.	8.0	12
11	Evaluation of Regional Air Quality Models over Sydney, Australia: Part 2, Comparison of PM2.5 and Ozone. Atmosphere, 2020, 11, 233.	2.3	15
12	A global analysis of urban design types and road transport injury: an image processing study. Lancet Planetary Health, The, 2020, 4, e32-e42.	11.4	32
13	The potential of Orbiting Carbon Observatory-2 data to reduce the uncertainties in CO₂ surface fluxes over Australia using a variational assimilation scheme. Atmospheric Chemistry and Physics, 2020, 20, 8473-8500.	4.9	11
14	Comparison of formaldehyde tropospheric columns in Australia and New Zealand using MAX-DOAS, FTIR and TROPOMI. Atmospheric Measurement Techniques, 2020, 13, 6501-6519.	3.1	5
15	Greenhouse Gas Concentration and Volcanic Eruptions Controlled the Variability of Terrestrial Carbon Uptake Over the Last Millennium. Journal of Advances in Modeling Earth Systems, 2019, 11, 1715-1734.	3.8	3
16	Development and evaluation of pollen source methodologies for the Victorian Grass Pollen Emissions Module VGPEM1.0. Geoscientific Model Development, 2019, 12, 2195-2214.	3.6	14
17	Evaluation of Regional Air Quality Models over Sydney and Australia: Part 1â€”Meteorological Model Comparison. Atmosphere, 2019, 10, 374.	2.3	17
18	Estimating global gross primary productivity using chlorophyll fluorescence and a data assimilation system with the BETHY-SCOPE model. Biogeosciences, 2019, 16, 3069-3093.	3.3	57

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19	Skill-Testing Chemical Transport Models across Contrasting Atmospheric Mixing States Using Radon-222. Atmosphere, 2019, 10, 25.	2.3	28
20	Multiscale Applications of Two Online-Coupled Meteorology-Chemistry Models During Recent Field Campaigns in Australia, Part II: Comparison of WRF/Chem and WRF/Chem-ROMS and Impacts of Air-Sea Interactions and Boundary Conditions. Atmosphere, 2019, 10, 210.	2.3	7
21	Multiscale Applications of Two Online-Coupled Meteorology-Chemistry Models during Recent Field Campaigns in Australia, Part I: Model Description and WRF/Chem-ROMS Evaluation Using Surface and Satellite Data and Sensitivity to Spatial Grid Resolutions. Atmosphere, 2019, 10, 189.	2.3	10
22	A Clean Air Plan for Sydney: An Overview of the Special Issue on Air Quality in New South Wales. Atmosphere, 2019, 10, 774.	2.3	29
23	Dominant regions and drivers of the variability of the global land carbon sink across timescales. Global Change Biology, 2018, 24, 3954-3968.	9.5	30
24	Hot Summers: Effect of Extreme Temperatures on Ozone in Sydney, Australia. Atmosphere, 2018, 9, 466.	2.3	25
25	Seasonal asthma in Melbourne, Australia, and some observations on the occurrence of thunderstorm asthma and its predictability. PLoS ONE, 2018, 13, e0194929.	2.5	47
26	The Melbourne epidemic thunderstorm asthma event 2016: an investigation of environmental triggers, effect on health services, and patient risk factors. Lancet Planetary Health, The, 2018, 2, e255-e263.	11.4	169
27	Familial epilepsy with anterior polymicrogyria as a presentation of COL18A1 mutations. European Journal of Medical Genetics, 2017, 60, 437-443.	1.3	10
28	Forecasting high proportions of wind energy supplying the Brazilian Northeast electricity grid. Applied Energy, 2017, 195, 538-555.	10.1	52
29	The compressionâ€“error trade-off for large gridded data sets. Geoscientific Model Development, 2017, 10, 413-423.	3.6	9
30	Thunderstorm asthma outbreak of November 2016: a natural disaster requiring planning. Medical Journal of Australia, 2017, 207, 235-237.	1.7	38
31	Linear and nonlinear effects of dominant drivers on the trends in global and regional land carbon uptake: 1959 to 2013. Geophysical Research Letters, 2016, 43, 1607-1614.	4.0	18
32	Multi-species chemical data assimilation with the Danish Eulerian hemispheric model: system description and verification. Journal of Atmospheric Chemistry, 2016, 73, 261-302.	3.2	5
33	Modelling the impact of climate change on the atmospheric transport and the fate of persistent organic pollutants in the Arctic. Atmospheric Chemistry and Physics, 2015, 15, 6549-6559.	4.9	23
34	Ensemble Perturbations for Chemical Data Assimilation. NATO Science for Peace and Security Series C: Environmental Security, 2014, , 221-225.	0.2	1
35	Air Quality Effects on Human Health. Springer Proceedings in Complexity, 2014, , 7-17.	0.3	0
36	Dynamic parameter estimation for a street canyon air quality model. Environmental Modelling and Software, 2013, 47, 235-252.	4.5	8

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37	Assimilation of OMI NO₂ retrievals into the limited-area chemistry-transport model DEHM (V2009.0) with a 3-D OI algorithm. Geoscientific Model Development, 2013, 6, 1-16.	3.6	24
38	Contribution from the ten major emission sectors in Europe and Denmark to the health-cost externalities of air pollution using the EVA model system â€“ an integrated modelling approach. Atmospheric Chemistry and Physics, 2013, 13, 7725-7746.	4.9	116
39	Assessment of past, present and future health-cost externalities of air pollution in Europe and the contribution from international ship traffic using the EVA model system. Atmospheric Chemistry and Physics, 2013, 13, 7747-7764.	4.9	81
40	Evaluating the capability of regional-scale air quality models to capture the vertical distribution of pollutants. Geoscientific Model Development, 2013, 6, 791-818.	3.6	49
41	A genome-wide association study of men with symptoms of testicular dysgenesis syndrome and its network biology interpretation. Journal of Medical Genetics, 2012, 49, 58-65.	3.2	96
42	Evaluation of the meteorological forcing used for the Air Quality Model Evaluation International Initiative (AQMEII) air quality simulations. Atmospheric Environment, 2012, 53, 15-37.	4.1	111
43	Model evaluation and ensemble modelling of surface-level ozone in Europe and North America in the context of AQMEII. Atmospheric Environment, 2012, 53, 60-74.	4.1	192
44	An integrated model study for Europe and North America using the Danish Eulerian Hemispheric Model with focus on intercontinental transport of air pollution. Atmospheric Environment, 2012, 53, 156-176.	4.1	234
45	Operational model evaluation for particulate matter in Europe and North America in the context of AQMEII. Atmospheric Environment, 2012, 53, 75-92.	4.1	214
46	Risk charts to identify low and excessive responders among first-cycle IVF/ICSI standard patients. Reproductive BioMedicine Online, 2011, 22, 50-58.	2.4	13
47	Is the Kaiser Permanente model superior in terms of clinical integration?: a comparative study of Kaiser Permanente, Northern California and the Danish healthcare system. BMC Health Services Research, 2010, 10, 91.	2.2	26
48	Estimating Haplotype Effects for Survival Data. Biometrics, 2010, 66, 705-715.	1.4	14
49	Microarray background correction: maximum likelihood estimation for the normal-exponential convolution. Biostatistics, 2009, 10, 352-363.	1.5	151
50	Array-Based Gene Discovery with Three Unrelated Subjects Shows SCARB2/LIMP-2 Deficiency Causes Myoclonus Epilepsy and Glomerulosclerosis. American Journal of Human Genetics, 2008, 82, 673-684.	6.2	230
51	A comparison of background correction methods for two-colour microarrays. Bioinformatics, 2007, 23, 2700-2707.	4.1	829
52	Molecular characterization of a novel Xâ€linked syndrome involving developmental delay and deafness. American Journal of Medical Genetics, Part A, 2007, 143A, 2564-2575.	1.2	14
53	Probabilistic analysis of recessive mutagenesis screen strategies. Mammalian Genome, 2007, 18, 5-22.	2.2	6
54	The advantages of dense marker sets for linkage analysis with very large families. Human Genetics, 2007, 121, 459-468.	3.8	3

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55	The Comparative Roles of Suppressor of Cytokine Signaling-1 and -3 in the Inhibition and Desensitization of Cytokine Signaling. Journal of Biological Chemistry, 2006, 281, 11135-11143.	3.4	109