

# Jeremy David Silver

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

3,335  
citations

257450

24  
h-index

161849

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. <i>Atmosphere</i> , 2022, 13, 176.	2.3	5
2	High-resolution modeling of gaseous air pollutants over Tehran and validation with surface and satellite data. <i>Atmospheric Environment</i> , 2022, 270, 118881.	4.1	4
3	Interannual variability in the Australian carbon cycle over 2015–2019, based on assimilation of Orbiting Carbon Observatory-2 (OCO-2) satellite data. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 8897-8934.	4.9	5
4	A Pilot Forecasting System for Epidemic Thunderstorm Asthma in Southeastern Australia. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, E399-E420.	3.3	20
5	Air quality and health impact of 2019–20 Black Summer megafires and COVID-19 lockdown in Melbourne and Sydney, Australia. <i>Environmental Pollution</i> , 2021, 274, 116498.	7.5	36
6	Atmospheric modelling of grass pollen rupturing mechanisms for thunderstorm asthma prediction. <i>PLoS ONE</i> , 2021, 16, e0249488.	2.5	25
7	Was Australia a sink or source of CO <sub>2</sub> in 2015? Data assimilation using OCO-2 satellite measurements. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 17453-17494.	4.9	8
8	Crowd-sourced allergic rhinitis symptom data: The influence of environmental and demographic factors. <i>Science of the Total Environment</i> , 2020, 705, 135147.	8.0	16
9	Using crowd-sourced allergic rhinitis symptom data to improve grass pollen forecasts and predict individual symptoms. <i>Science of the Total Environment</i> , 2020, 720, 137351.	8.0	16
10	Are convergence lines associated with high asthma presentation days? A case-control study in Melbourne, Australia. <i>Science of the Total Environment</i> , 2020, 737, 140263.	8.0	12
11	Evaluation of Regional Air Quality Models over Sydney, Australia: Part 2, Comparison of PM <sub>2.5</sub> and Ozone. <i>Atmosphere</i> , 2020, 11, 233.	2.3	15
12	A global analysis of urban design types and road transport injury: an image processing study. <i>Lancet Planetary Health</i> , The, 2020, 4, e32-e42.	11.4	32
13	The potential of Orbiting Carbon Observatory-2 data to reduce the uncertainties in CO <sub>2</sub> surface fluxes over Australia using a variational assimilation scheme. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 8473-8500.	4.9	11
14	Comparison of formaldehyde tropospheric columns in Australia and New Zealand using MAX-DOAS, FTIR and TROPOMI. <i>Atmospheric Measurement Techniques</i> , 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. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 1715-1734.	3.8	3
16	Development and evaluation of pollen source methodologies for the Victorian Grass Pollen Emissions Module VGPEM1.0. <i>Geoscientific Model Development</i> , 2019, 12, 2195-2214.	3.6	14
17	Evaluation of Regional Air Quality Models over Sydney and Australia: Part 1—Meteorological Model Comparison. <i>Atmosphere</i> , 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. <i>Biogeosciences</i> , 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. <i>Atmosphere</i> , 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. <i>Atmosphere</i> , 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. <i>Atmosphere</i> , 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. <i>Atmosphere</i> , 2019, 10, 774.	2.3	29
23	Dominant regions and drivers of the variability of the global land carbon sink across timescales. <i>Global Change Biology</i> , 2018, 24, 3954-3968.	9.5	30
24	Hot Summers: Effect of Extreme Temperatures on Ozone in Sydney, Australia. <i>Atmosphere</i> , 2018, 9, 466.	2.3	25
25	Seasonal asthma in Melbourne, Australia, and some observations on the occurrence of thunderstorm asthma and its predictability. <i>PLoS ONE</i> , 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. <i>Lancet Planetary Health</i> , The, 2018, 2, e255-e263.	11.4	169
27	Familial epilepsy with anterior polymicrogyria as a presentation of COL18A1 mutations. <i>European Journal of Medical Genetics</i> , 2017, 60, 437-443.	1.3	10
28	Forecasting high proportions of wind energy supplying the Brazilian Northeast electricity grid. <i>Applied Energy</i> , 2017, 195, 538-555.	10.1	52
29	The compression error trade-off for large gridded data sets. <i>Geoscientific Model Development</i> , 2017, 10, 413-423.	3.6	9
30	Thunderstorm asthma outbreak of November 2016: a natural disaster requiring planning. <i>Medical Journal of Australia</i> , 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. <i>Geophysical Research Letters</i> , 2016, 43, 1607-1614.	4.0	18
32	Multi-species chemical data assimilation with the Danish Eulerian hemispheric model: system description and verification. <i>Journal of Atmospheric Chemistry</i> , 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. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 6549-6559.	4.9	23
34	Ensemble Perturbations for Chemical Data Assimilation. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2014, , 221-225.	0.2	1
35	Air Quality Effects on Human Health. <i>Springer Proceedings in Complexity</i> , 2014, , 7-17.	0.3	0
36	Dynamic parameter estimation for a street canyon air quality model. <i>Environmental Modelling and Software</i> , 2013, 47, 235-252.	4.5	8

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37	Assimilation of OMI NO <sub>2</sub> retrievals into the limited-area chemistry-transport model DEHM (V2009.0) with a 3-D OI algorithm. <i>Geoscientific Model Development</i> , 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 – an integrated modelling approach. <i>Atmospheric Chemistry and Physics</i> , 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. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 7747-7764.	4.9	81
40	Evaluating the capability of regional-scale air quality models to capture the vertical distribution of pollutants. <i>Geoscientific Model Development</i> , 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. <i>Journal of Medical Genetics</i> , 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. <i>Atmospheric Environment</i> , 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. <i>Atmospheric Environment</i> , 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. <i>Atmospheric Environment</i> , 2012, 53, 156-176.	4.1	234
45	Operational model evaluation for particulate matter in Europe and North America in the context of AQMEII. <i>Atmospheric Environment</i> , 2012, 53, 75-92.	4.1	214
46	Risk charts to identify low and excessive responders among first-cycle IVF/ICSI standard patients. <i>Reproductive BioMedicine Online</i> , 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. <i>BMC Health Services Research</i> , 2010, 10, 91.	2.2	26
48	Estimating Haplotype Effects for Survival Data. <i>Biometrics</i> , 2010, 66, 705-715.	1.4	14
49	Microarray background correction: maximum likelihood estimation for the normal-exponential convolution. <i>Biostatistics</i> , 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. <i>American Journal of Human Genetics</i> , 2008, 82, 673-684.	6.2	230
51	A comparison of background correction methods for two-colour microarrays. <i>Bioinformatics</i> , 2007, 23, 2700-2707.	4.1	829
52	Molecular characterization of a novel X-linked syndrome involving developmental delay and deafness. <i>American Journal of Medical Genetics, Part A</i> , 2007, 143A, 2564-2575.	1.2	14
53	Probabilistic analysis of recessive mutagenesis screen strategies. <i>Mammalian Genome</i> , 2007, 18, 5-22.	2.2	6
54	The advantages of dense marker sets for linkage analysis with very large families. <i>Human Genetics</i> , 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. <i>Journal of Biological Chemistry</i> , 2006, 281, 11135-11143.	3.4	109