

Charles L Curry

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

3,808
citations

304743

22
h-index

395702

33
g-index

36
all docs

36
docs citations

36
times ranked

5098
citing authors

#	ARTICLE	IF	CITATIONS
1	The Global Methane Budget 2000–2017. <i>Earth System Science Data</i> , 2020, 12, 1561-1623.	9.9	1,199
2	Atmospheric Rivers Increase Future Flood Risk in Western Canada's Largest Pacific River. <i>Geophysical Research Letters</i> , 2019, 46, 1651-1661.	4.0	27
3	Quantifying projected changes in runoff variability and flow regimes of the Fraser River Basin, British Columbia. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 811-828.	4.9	21
4	Extreme temperature and precipitation response to solar dimming and stratospheric aerosol geoengineering. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 10133-10156.	4.9	25
5	Examining controls on peak annual streamflow and floods in the Fraser River Basin of British Columbia. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 2285-2309.	4.9	20
6	An assessment of <i>Pinus contorta</i> seed production in British Columbia: Geographic variation and dynamically-downscaled climate correlates from the Canadian Regional Climate Model. <i>Agricultural and Forest Meteorology</i> , 2017, 236, 194-210.	4.8	6
7	Searching for Added Value in Simulating Climate Extremes with a High-Resolution Regional Climate Model over Western Canada. II: Basin-Scale Results. <i>Atmosphere - Ocean</i> , 2016, 54, 385-402.	1.6	3
8	Model-Based Projections and Uncertainties of Near-Surface Wind Climate in Western Canada. <i>Journal of Applied Meteorology and Climatology</i> , 2016, 55, 2229-2245.	1.5	9
9	Searching for Added Value in Simulating Climate Extremes with a High-Resolution Regional Climate Model over Western Canada. <i>Atmosphere - Ocean</i> , 2016, 54, 364-384.	1.6	6
10	The global methane budget 2000–2012. <i>Earth System Science Data</i> , 2016, 8, 697-751.	9.9	824
11	Solar radiation management impacts on agriculture in China: A case study in the Geoengineering Model Intercomparison Project (GeoMIP). <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 8695-8711.	3.3	53
12	A multi-model assessment of regional climate disparities caused by solar geoengineering. <i>Environmental Research Letters</i> , 2014, 9, 074013.	5.2	101
13	A multimodel examination of climate extremes in an idealized geoengineering experiment. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 3900-3923.	3.3	75
14	Forcings and feedbacks in the GeoMIP ensemble for a reduction in solar irradiance and increase in CO ₂ . <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 5226-5239.	3.3	19
15	Climate model response from the Geoengineering Model Intercomparison Project (GeoMIP). <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 8320-8332.	3.3	226
16	The impact of abrupt suspension of solar radiation management (termination effect) in experiment G2 of the Geoengineering Model Intercomparison Project (GeoMIP). <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 9743-9752.	3.3	129
17	The hydrological impact of geoengineering in the Geoengineering Model Intercomparison Project (GeoMIP). <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 11,036.	3.3	202
18	Statistical downscaling of historical monthly mean winds over a coastal region of complex terrain. I. Predicting wind speed. <i>Climate Dynamics</i> , 2012, 38, 1281-1299.	3.8	30

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19	Statistical downscaling of historical monthly mean winds over a coastal region of complex terrain. II. Predicting wind components. <i>Climate Dynamics</i> , 2012, 38, 1301-1311.	3.8	22
20	Overlap of Solar and Infrared Spectra and the Shortwave Radiative Effect of Methane. <i>Journals of the Atmospheric Sciences</i> , 2010, 67, 2372-2389.	1.7	19
21	The global carbon cycle in the Canadian Earth system model (CanESM1): Preindustrial control simulation. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	66
22	The consumption of atmospheric methane by soil in a simulated future climate. <i>Biogeosciences</i> , 2009, 6, 2355-2367.	3.3	39
23	The Effect of Terrestrial Photosynthesis Down Regulation on the Twentieth-Century Carbon Budget Simulated with the CCCma Earth System Model. <i>Journal of Climate</i> , 2009, 22, 6066-6088.	3.2	135
24	Modeling the soil consumption of atmospheric methane at the global scale. <i>Global Biogeochemical Cycles</i> , 2007, 21, .	4.9	148
25	Molecular oxygen in the Ophiuchi cloud. <i>Astronomy and Astrophysics</i> , 2007, 466, 999-1003.	5.1	121
26	Relaxing the well-mixed greenhouse gas approximation in climate simulations: Consequences for stratospheric climate. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	5
27	Low upper limits on the O ₂ abundance from the Odin satellite. <i>Astronomy and Astrophysics</i> , 2003, 402, L77-L81.	5.1	84
28	Shapes of Molecular Cloud Cores and the Filamentary Mode of Star Formation. <i>Astrophysical Journal</i> , 2002, 576, 849-859.	4.5	28
29	The Structure and Evolution of Magnetized Cloud Cores in a Zero-Density Background. <i>Astrophysical Journal</i> , 2001, 555, 160-177.	4.5	18
30	Embedded, Self-Gravitating Equilibria in Sheetlike and Filamentary Molecular Clouds. <i>Astrophysical Journal</i> , 2000, 541, 831-840.	4.5	33
31	Composite Polytrope Models of Molecular Clouds. I. Theory. <i>Astrophysical Journal</i> , 2000, 528, 734-755.	4.5	41
32	On the global stability of magnetized accretion disks. 1: Axisymmetric modes. <i>Astrophysical Journal</i> , 1994, 434, 206.	4.5	33
33	The gas environment of the young stellar object GL 2591 studied by infrared spectroscopy. <i>Astrophysical Journal</i> , 1989, 341, 1020.	4.5	36