

Timothy G F Kittel

List of Publications by Year in descending order

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49
papers

5,469
citations

136950

32
h-index

233421

45
g-index

51
all docs

51
docs citations

51
times ranked

5184
citing authors

#	ARTICLE	IF	CITATIONS
1	Observations and simulations of the seasonal evolution of snowpack cold content and its relation to snowmelt and the snowpack energy budget. <i>Cryosphere</i> , 2018, 12, 1595-1614.	3.9	33
2	Contrasting long-term alpine and subalpine precipitation trends in a mid-latitude North American mountain system, Colorado Front Range, USA. <i>Plant Ecology and Diversity</i> , 2015, 8, 607-624.	2.4	49
3	Forecasting net ecosystem CO ₂ exchange in a subalpine forest using model data assimilation combined with simulated climate and weather generation. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013, 118, 549-565.	3.0	11
4	Climate vulnerability of ecosystems and landscapes on Alaska's North Slope. <i>Regional Environmental Change</i> , 2011, 11, 249-264.	2.9	34
5	Sensitivity Of Ecological Models To Their Climate Drivers: Statistical Ensembles For Forcing. , 2006, 16, 99-116.		21
6	Simulating the response of natural ecosystems and their fire regimes to climatic variability in Alaska. <i>Canadian Journal of Forest Research</i> , 2005, 35, 2244-2257.	1.7	54
7	VALIDATION OF SIMULATED RUNOFF FROM SIX TERRESTRIAL ECOSYSTEM MODELS: RESULTS FROM VEMAP. , 2004, 14, 527-545.		53
8	VEMAP Phase 2 bioclimatic database. I. Gridded historical (20th century) climate for modeling ecosystem dynamics across the conterminous USA. <i>Climate Research</i> , 2004, 27, 151-170.	1.1	42
9	Infilling Sparse Records of Spatial Fields. <i>Journal of the American Statistical Association</i> , 2003, 98, 796-806.	3.1	42
10	Carbon sequestration studied in western U.S. mountains. <i>Eos</i> , 2002, 83, 445.	0.1	101
11	Problems in evaluating regional and local trends in temperature: an example from eastern Colorado, USA. <i>International Journal of Climatology</i> , 2002, 22, 421-434.	3.5	87
12	Temporal variability of climate at the US long-term ecological research (LTER) sites. <i>Climate Research</i> , 2002, 19, 213-231.	1.1	16
13	Relative climatic effects of landcover change and elevated carbon dioxide combined with aerosols: A comparison of model results and observations. <i>Journal of Geophysical Research</i> , 2001, 106, 31685-31691.	3.3	75
14	Analysis of 200 mbar zonal wind for the period 1958-1997. <i>Journal of Geophysical Research</i> , 2001, 106, 27287-27290.	3.3	15
15	Ancient blue oaks reveal human impact on San Francisco Bay salinity. <i>Eos</i> , 2001, 82, 141-145.	0.1	26
16	A comparison of regional trends in 1979-1997 depth-averaged tropospheric temperatures. <i>International Journal of Climatology</i> , 2000, 20, 503-518.	3.5	54
17	Global and regional modelling of Arctic-boreal vegetation distribution and its sensitivity to altered forcing. <i>Global Change Biology</i> , 2000, 6, 1-18.	9.5	103
18	Land-atmosphere energy exchange in Arctic tundra and boreal forest: available data and feedbacks to climate. <i>Global Change Biology</i> , 2000, 6, 84-115.	9.5	346

#	ARTICLE	IF	CITATIONS
19	Title is missing!. Climatic Change, 2000, 44, 59-87.	3.6	55
20	Simulated impacts of historical land cover changes on global climate in northern winter. Climate Dynamics, 2000, 16, 93-105.	3.8	418
21	Coupled Atmosphereâ€“Biophysicsâ€“Hydrology Models for Environmental Modeling. Journal of Applied Meteorology and Climatology, 2000, 39, 931-944.	1.7	447
22	Contribution of Increasing CO2 and Climate to Carbon Storage by Ecosystems in the United States. Science, 2000, 287, 2004-2006.	12.6	526
23	POTENTIAL CLIMATE CHANGE IMPACTS ON WATER RESOURCES IN THE GREAT PLAINS. Journal of the American Water Resources Association, 1999, 35, 1443-1454.	2.4	34
24	Potential impacts on Colorado Rocky Mountain weather due to land use changes on the adjacent Great Plains. Journal of Geophysical Research, 1999, 104, 16673-16690.	3.3	125
25	Modeled responses of terrestrial ecosystems to elevated atmospheric CO2 : a comparison of simulations by the biogeochemistry models of the Vegetation/Ecosystem Modeling and Analysis Project (VEMAP). Oecologia, 1998, 114, 389-404.	2.0	132
26	Evidence that local land use practices influence regional climate, vegetation, and stream flow patterns in adjacent natural areas. Global Change Biology, 1998, 4, 495-504.	9.5	223
27	Correction to â€œ1973-1996 trends in depth-averaged tropospheric temperatureâ€•by R. A. Pielke Sr. et al.. Journal of Geophysical Research, 1998, 103, 28909-28911.	3.3	7
28	1973-1996 Trends in depth-averaged tropospheric temperature. Journal of Geophysical Research, 1998, 103, 16927-16933.	3.3	29
29	CONTINENTAL SCALE VARIABILITY IN ECOSYSTEM PROCESSES: MODELS, DATA, AND THE ROLE OF DISTURBANCE. Ecological Monographs, 1997, 67, 251-271.	5.4	202
30	Sensitivity of a general circulation model to global changes in leaf area index. Journal of Geophysical Research, 1996, 101, 7393-7408.	3.3	210
31	Potential climatic impacts of vegetation change: A regional modeling study. Journal of Geophysical Research, 1996, 101, 7409-7418.	3.3	154
32	Modeling human-induced climatic change: A summary for environmental managers. Environmental Management, 1995, 19, 197-224.	2.7	17
33	Impact of climate change on grassland production and soil carbon worldwide. Global Change Biology, 1995, 1, 13-22.	9.5	292
34	SENSITIVITY OF A PRAIRIE WETLAND TO INCREASED TEMPERATURE AND SEASONAL PRECIPITATION CHANGES. Journal of the American Water Resources Association, 1995, 31, 283-294.	2.4	36
35	The VEMAP Integrated Database for Modelling United States Ecosystem/Vegetation Sensitivity to Climate Change. Journal of Biogeography, 1995, 22, 857.	3.0	138
36	Low-frequency variability and CO2 transient climate change. Part 2: EOF analysis of CO2 and model-configuration sensitivity. Global and Planetary Change, 1995, 10, 201-216.	3.5	10

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37	Modeling the effects of climatic and co2 changes on grassland storage of soil C. Water, Air, and Soil Pollution, 1993, 70, 643-657.	2.4	106
38	Modeling the Effects of Climatic and CO2 Changes on Grassland Storage of Soil C. , 1993, , 643-657.		26
39	Atmosphere-terrestrial ecosystem interactions: implications for coupled modeling. Ecological Modelling, 1993, 67, 5-18.	2.5	30
40	Simulation model for the effects of climate change on temperate grassland ecosystems. Ecological Modelling, 1991, 53, 205-246.	2.5	122
41	Regional Analysis of the Central Great Plains. BioScience, 1991, 41, 685-692.	4.9	218
42	Snowpack and the Distribution of a Major Vegetation Ecotone in the Sierra Nevada of California. Journal of Biogeography, 1991, 18, 141.	3.0	48
43	Terrestrial biogeochemical cycles: global interactions with the atmosphere and hydrology. Tellus, Series A: Dynamic Meteorology and Oceanography, 1991, 43, 188-203.	1.7	15
44	Terrestrial biogeochemical cycles: global interactions with the atmosphere and hydrology. Tellus, Series B: Chemical and Physical Meteorology, 1991, 43, 188-203.	1.6	46
45	Critical Issues for Understanding Global Change Effects on Terrestrial Ecosystems. , 1991, 1, 316-325.		63
46	Physiological Interactions Along Resource Gradients in a Tallgrass Prairie. Ecology, 1991, 72, 672-684.	3.2	193
47	Terrestrial biogeochemical cycles: global interactions with the atmosphere and hydrology. Tellus, Series A: Dynamic Meteorology and Oceanography, 1991, 43, 188-203.	1.7	5
48	Nonlinear Influence of Mesoscale Land Use on Weather and Climate. Journal of Climate, 1991, 4, 1053-1069.	3.2	216
49	Grassland biogeochemistry: Links to atmospheric processes. Climatic Change, 1990, 17, 13-25.	3.6	164