

# Marc Stieglitz

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11838573/publications.pdf>

Version: 2024-02-01

46  
papers

4,108  
citations

186209

28  
h-index

233338

45  
g-index

47  
all docs

47  
docs citations

47  
times ranked

4783  
citing authors

#	ARTICLE	IF	CITATIONS
1	Predicting the spectral information of future land cover using machine learning. International Journal of Remote Sensing, 2017, 38, 5592-5607.	1.3	19
2	Comparing spatial and temporal transferability of hydrological model parameters. Journal of Hydrology, 2015, 525, 409-417.	2.3	75
3	Modelling daily streamflow at ungauged catchments: what information is necessary?. Hydrological Processes, 2014, 28, 1159-1169.	1.1	39
4	Effects of harvest on carbon and nitrogen dynamics in a Pacific Northwest forest catchment. Water Resources Research, 2013, 49, 1292-1313.	1.7	23
5	Identification of optimal soil hydraulic functions and parameters for predicting soil moisture. Hydrological Sciences Journal, 2012, 57, 723-737.	1.2	5
6	An algorithm for treating flat areas and depressions in digital elevation models using linear interpolation. Water Resources Research, 2012, 48, .	1.7	24
7	Effects of anisotropy on pattern formation in wetland ecosystems. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	32
8	Catchment hydrological responses to forest harvest amount and spatial pattern. Water Resources Research, 2011, 47, .	1.7	44
9	A Simple Method to Evolve Daily Ground Temperatures from Surface Air Temperatures in Snow-Dominated Regions. Journal of Hydrometeorology, 2010, 11, 1395-1404.	0.7	4
10	Lability of DOC transported by Alaskan rivers to the Arctic Ocean. Geophysical Research Letters, 2008, 35, .	1.5	290
11	Characterizing Land-Atmosphere Coupling and the Implications for Subsurface Thermodynamics. Journal of Climate, 2007, 20, 21-37.	1.2	37
12	Effects of bottom boundary placement on subsurface heat storage: Implications for climate model simulations. Geophysical Research Letters, 2007, 34, .	1.5	62
13	A simple model for analyzing climatic effects on terrestrial carbon and nitrogen dynamics: An arctic case study. Global Biogeochemical Cycles, 2006, 20, n/a-n/a.	1.9	11
14	Simulating heat transport of harmonic temperature signals in the Earth's shallow subsurface: Lower-boundary sensitivities. Geophysical Research Letters, 2006, 33, .	1.5	51
15	Twentieth Century Climate in the New York Hudson Highlands and the Potential Impacts on Eco-Hydrological Processes. Climatic Change, 2006, 75, 455-493.	1.7	1
16	An Ensemble Seasonal Forecast of Human Cases of St. Louis Encephalitis in Florida Based on Seasonal Hydrologic Forecasts. Climatic Change, 2006, 75, 495-511.	1.7	7
17	A hydrologically driven model of swamp water mosquito population dynamics. Ecological Modelling, 2006, 194, 395-404.	1.2	41
18	The Water Budget of the Kuparuk River Basin, Alaska*. Journal of Hydrometeorology, 2005, 6, 633-655.	0.7	24

#	ARTICLE	IF	CITATIONS
19	Drought-Induced Amplification and Epidemic Transmission of West Nile Virus in Southern Florida. <i>Journal of Medical Entomology</i> , 2005, 42, 134-141.	0.9	164
20	An approach to using snow areal depletion curves inferred from MODIS and its application to land surface modelling in Alaska. <i>Hydrological Processes</i> , 2005, 19, 2755-2774.	1.1	92
21	Inter-annual variability of NDVI in response to long-term warming and fertilization in wet sedge and tussock tundra. <i>Oecologia</i> , 2005, 143, 588-597.	0.9	58
22	Hydrological consequences of Eucalyptus afforestation in the Argentine Pampas. <i>Water Resources Research</i> , 2005, 41, .	1.7	141
23	Reconstructing solid precipitation from snow depth measurements and a land surface model. <i>Water Resources Research</i> , 2005, 41, .	1.7	22
24	Characteristics and Trends of River Discharge into Hudson, James, and Ungava Bays, 1964â€“2000. <i>Journal of Climate</i> , 2005, 18, 2540-2557.	1.2	201
25	Seasonal Forecast of St. Louis Encephalitis Virus Transmission, Florida. <i>Emerging Infectious Diseases</i> , 2004, 10, 802-809.	2.0	22
26	Are big basins just the sum of small catchments?. <i>Hydrological Processes</i> , 2004, 18, 3195-3206.	1.1	109
27	Modeling Snow-Cover Heterogeneity over Complex Arctic Terrain for Regional and Global Climate Models*. <i>Journal of Hydrometeorology</i> , 2004, 5, 33-48.	0.7	34
28	THE SPATIAL-TEMPORAL DISTRIBUTION OF DROUGHT, WETTING, AND HUMAN CASES OF ST. LOUIS ENCEPHALITIS IN SOUTHCENTRAL FLORIDA. <i>American Journal of Tropical Medicine and Hygiene</i> , 2004, 71, 251-261.	0.6	33
29	The spatial-temporal distribution of drought, wetting, and human cases of St. Louis encephalitis in southcentral Florida. <i>American Journal of Tropical Medicine and Hygiene</i> , 2004, 71, 251-61.	0.6	13
30	Response of NDVI, biomass, and ecosystem gas exchange to long-term warming and fertilization in wet sedge tundra. <i>Oecologia</i> , 2003, 135, 414-421.	0.9	190
31	An approach to understanding hydrologic connectivity on the hillslope and the implications for nutrient transport. <i>Global Biogeochemical Cycles</i> , 2003, 17, n/a-n/a.	1.9	222
32	The role of snow cover in the warming of arctic permafrost. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	236
33	St. Louis Encephalitis Virus in Wild Birds During the 1990 South Florida Epidemic: The Importance of Drought, Wetting Conditions, and the Emergence of <i>Culex nigripalpus</i> (Diptera: Culicidae) to Arboviral Amplification and Transmission. <i>Journal of Medical Entomology</i> , 2003, 40, 547-554.	0.9	47
34	A Local Forecast of Land Surface Wetness Conditions, Drought, and St. Louis Encephalitis Transmission Derived from Seasonal Climate Predictions. , 2003, , 1.		0
35	A Local Forecast of Land Surface Wetness Conditions Derived from Seasonal Climate Predictions. <i>Journal of Hydrometeorology</i> , 2003, 4, 611-626.	0.7	15
36	Advantages of a Topographically Controlled Runoff Simulation in a Soilâ€“Vegetationâ€“Atmosphere Transfer Model. <i>Journal of Hydrometeorology</i> , 2002, 3, 131-148.	0.7	52

#	ARTICLE	IF	CITATIONS
37	Representation of subsurface storm flow and a more responsive water table in a TOPMODEL-based hydrology model. <i>Water Resources Research</i> , 2002, 38, 31-1-31-16.	1.7	28
38	Drought-Induced Amplification of Saint Louis encephalitis virus, Florida. <i>Emerging Infectious Diseases</i> , 2002, 8, 575-580.	2.0	98
39	Using a Dynamic Hydrology Model To Predict Mosquito Abundances in Flood and Swamp Water. <i>Emerging Infectious Diseases</i> , 2002, 8, 8-13.	2.0	134
40	A Note On Surface Humidity Measurements In The Cold Canadian Environment. <i>Boundary-Layer Meteorology</i> , 2002, 102, 491-497.	1.2	17
41	The Impact of Detailed Snow Physics on the Simulation of Snow Cover and Subsurface Thermodynamics at Continental Scales. <i>Journal of Hydrometeorology</i> , 2001, 2, 228-242.	0.7	118
42	A catchment-based approach to modeling land surface processes in a general circulation model: 1. Model structure. <i>Journal of Geophysical Research</i> , 2000, 105, 24809-24822.	3.3	673
43	A catchment-based approach to modeling land surface processes in a general circulation model: 2. Parameter estimation and model demonstration. <i>Journal of Geophysical Research</i> , 2000, 105, 24823-24838.	3.3	226
44	Simulating the effects of climate change and climate variability on carbon dynamics in Arctic tundra. <i>Global Biogeochemical Cycles</i> , 2000, 14, 1123-1136.	1.9	35
45	Hydrologic modeling of an arctic tundra watershed: Toward Pan-Arctic predictions. <i>Journal of Geophysical Research</i> , 1999, 104, 27507-27518.	3.3	21
46	An Efficient Approach to Modeling the Topographic Control of Surface Hydrology for Regional and Global Climate Modeling. <i>Journal of Climate</i> , 1997, 10, 118-137.	1.2	224