

# J S Famiglietti

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

6,348  
citations

257450

24  
h-index

580821

25  
g-index

28  
all docs

28  
docs citations

28  
times ranked

6811  
citing authors

#	ARTICLE	IF	CITATIONS
1	The global groundwater crisis. <i>Nature Climate Change</i> , 2014, 4, 945-948.	18.8	1,130
2	Emerging trends in global freshwater availability. <i>Nature</i> , 2018, 557, 651-659.	27.8	1,087
3	Satellites measure recent rates of groundwater depletion in California's Central Valley. <i>Geophysical Research Letters</i> , 2011, 38, .	4.0	703
4	Multiscale modeling of spatially variable water and energy balance processes. <i>Water Resources Research</i> , 1994, 30, 3061-3078.	4.2	519
5	Ground-based investigation of soil moisture variability within remote sensing footprints During the Southern Great Plains 1997 (SGP97) Hydrology Experiment. <i>Water Resources Research</i> , 1999, 35, 1839-1851.	4.2	352
6	Water in the Balance. <i>Science</i> , 2013, 340, 1300-1301.	12.6	333
7	The Observed State of the Water Cycle in the Early Twenty-First Century. <i>Journal of Climate</i> , 2015, 28, 8289-8318.	3.2	230
8	An analysis of terrestrial water storage variations in Illinois with implications for the Gravity Recovery and Climate Experiment (GRACE). <i>Water Resources Research</i> , 2001, 37, 1327-1339.	4.2	228
9	A decade of sea level rise slowed by climate-driven hydrology. <i>Science</i> , 2016, 351, 699-703.	12.6	219
10	Detectability of variations in continental water storage from satellite observations of the time dependent gravity field. <i>Water Resources Research</i> , 1999, 35, 2705-2723.	4.2	218
11	River basin flood potential inferred using GRACE gravity observations at several months lead time. <i>Nature Geoscience</i> , 2014, 7, 588-592.	12.9	211
12	Global terrestrial water storage capacity and flood potential using GRACE. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	148
13	Satellite-based global-ocean mass balance estimates of interannual variability and emerging trends in continental freshwater discharge. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 17916-17921.	7.1	136
14	Satellites provide the big picture. <i>Science</i> , 2015, 349, 684-685.	12.6	94
15	Evapotranspiration and runoff from large land areas: Land surface hydrology for atmospheric general circulation models. <i>Surveys in Geophysics</i> , 1991, 12, 179-204.	4.6	93
16	Effects of Spatial Variability and Scale on Areally Averaged Evapotranspiration. <i>Water Resources Research</i> , 1995, 31, 699-712.	4.2	92
17	Analysis and mapping of field-scale soil moisture variability using high-resolution, ground-based data during the Southern Great Plains 1997 (SGP97) Hydrology Experiment. <i>Water Resources Research</i> , 2000, 36, 1023-1031.	4.2	91
18	Evolution of soil moisture spatial structure in a mixed vegetation pixel during the Southern Great Plains 1997 (SGP97) Hydrology Experiment. <i>Water Resources Research</i> , 2000, 36, 3675-3686.	4.2	82

#	ARTICLE	IF	CITATIONS
19	Regional Groundwater Evapotranspiration in Illinois. Journal of Hydrometeorology, 2009, 10, 464-478.	1.9	76
20	A catchment scale water balance model for FIFE. Journal of Geophysical Research, 1992, 97, 18997-19007.	3.3	71
21	VALIDATION OF SIMULATED RUNOFF FROM SIX TERRESTRIAL ECOSYSTEM MODELS: RESULTS FROM VEMAP. , 2004, 14, 527-545.		53
22	Monitoring groundwater storage changes in complex basement aquifers: An evaluation of the GRACE satellites over <a href="#">East Africa</a> . Water Resources Research, 2016, 52, 9542-9564.	4.2	51
23	Toward hyper-resolution land surface modeling: The effects of fine-scale topography and soil texture on <a href="#">CLM4.0</a> simulations over the <a href="#">Southwestern U.S.</a> . Water Resources Research, 2015, 51, 2648-2667.	4.2	46
24	GRACE storage-runoff hystereses reveal the dynamics of regional watersheds. Hydrology and Earth System Sciences, 2015, 19, 3253-3272.	4.9	37
25	Using satellite-based estimates of evapotranspiration and groundwater changes to determine anthropogenic water fluxes in land surface models. Geoscientific Model Development, 2015, 8, 3021-3031.	3.6	32
26	Process controls and similarity in the us continental-scale hydrological cycle from eof analysis of regional climate model simulations. Hydrological Processes, 1995, 9, 437-444.	2.6	9