

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	Emerging trends in global freshwater availability. <i>Nature</i> , 2018, 557, 651-659.	27.8	1,087
2	Monitoring groundwater storage changes in complex basement aquifers: An evaluation of the GRACE satellites over East Africa. <i>Water Resources Research</i> , 2016, 52, 9542-9564.	4.2	51
3	A decade of sea level rise slowed by climate-driven hydrology. <i>Science</i> , 2016, 351, 699-703.	12.6	219
4	Toward high-resolution land surface modeling: The effects of fine-scale topography and soil texture on CLM4.0 simulations over the Southwestern U.S. <i>Water Resources Research</i> , 2015, 51, 2648-2667.	4.2	46
5	Using satellite-based estimates of evapotranspiration and groundwater changes to determine anthropogenic water fluxes in land surface models. <i>Geoscientific Model Development</i> , 2015, 8, 3021-3031.	3.6	32
6	GRACE storage-runoff hystereses reveal the dynamics of regional watersheds. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 3253-3272.	4.9	37
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	Satellites provide the big picture. <i>Science</i> , 2015, 349, 684-685.	12.6	94
9	The global groundwater crisis. <i>Nature Climate Change</i> , 2014, 4, 945-948.	18.8	1,130
10	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
11	Water in the Balance. <i>Science</i> , 2013, 340, 1300-1301.	12.6	333
12	Satellites measure recent rates of groundwater depletion in California's Central Valley. <i>Geophysical Research Letters</i> , 2011, 38, .	4.0	703
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	Global terrestrial water storage capacity and flood potential using GRACE. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	148
15	Regional Groundwater Evapotranspiration in Illinois. <i>Journal of Hydrometeorology</i> , 2009, 10, 464-478.	1.9	76
16	VALIDATION OF SIMULATED RUNOFF FROM SIX TERRESTRIAL ECOSYSTEM MODELS: RESULTS FROM VEMAP. , 2004, 14, 527-545.		53
17	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
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

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19	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
20	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
21	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
22	Process controls and similarity in the us continental-scale hydrological cycle from eof analysis of regional climate model simulations. <i>Hydrological Processes</i> , 1995, 9, 437-444.	2.6	9
23	Effects of Spatial Variability and Scale on Areally Averaged Evapotranspiration. <i>Water Resources Research</i> , 1995, 31, 699-712.	4.2	92
24	Multiscale modeling of spatially variable water and energy balance processes. <i>Water Resources Research</i> , 1994, 30, 3061-3078.	4.2	519
25	A catchment scale water balance model for FIFE. <i>Journal of Geophysical Research</i> , 1992, 97, 18997-19007.	3.3	71
26	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