Simon Munier

List of Publications by Year
in descending order

27 papers	976 citations	471061 17 h-index	525886 27 g-index
48 all docs	48 docs citations	48 times ranked	1801 citing authors

#	Article	IF	Citations
1	ERA-5 and ERA-Interim driven ISBA land surface model simulations: which one performs better?. Hydrology and Earth System Sciences, 2018, 22, 3515-3532.	1.9	243
2	Sequential assimilation of satellite-derived vegetation and soil moisture products using SURFEX_v8.0: LDAS-Monde assessmentÂover the Euro-Mediterranean area. Geoscientific Model Development, 2017, 10, 3889-3912.	1.3	88
3	Estimating ENSO Influence on the Global Mean Sea Level, 1993â€"2010. Marine Geodesy, 2012, 35, 82-97.	0.9	76
4	SWOT data assimilation for operational reservoir management on the upper Niger River Basin. Water Resources Research, 2015, 51, 554-575.	1.7	69
5	LDAS-Monde Sequential Assimilation of Satellite Derived Observations Applied to the Contiguous US: An ERA-5 Driven Reanalysis of the Land Surface Variables. Remote Sensing, 2018, 10, 1627.	1.8	40
6	Monitoring and Forecasting the Impact of the 2018 Summer Heatwave on Vegetation. Remote Sensing, 2019, 11, 520.	1.8	40
7	Combining data sets of satelliteâ€retrieved products for basinâ€scale water balance study: 2. Evaluation on the Mississippi Basin and closure correction model. Journal of Geophysical Research D: Atmospheres, 2014, 119, 12,100.	1.2	39
8	Assessment of precipitation error propagation in multi-model global water resource reanalysis. Hydrology and Earth System Sciences, 2019, 23, 1973-1994.	1.9	37
9	Distributed approximation of open-channel flow routing accounting for backwater effects. Advances in Water Resources, 2008, 31, 1590-1602.	1.7	32
10	A new global method of satellite dataset merging and quality characterization constrained by the terrestrial water budget. Remote Sensing of Environment, 2018, 205, 119-130.	4.6	31
11	Satellite Leaf Area Index: Global Scale Analysis of the Tendencies Per Vegetation Type Over the Last 17 Years. Remote Sensing, 2018, 10, 424.	1.8	29
12	Flatness-based control of open-channel flow in an irrigation canal using SCADA [Applications of Control]. IEEE Control Systems, 2009, 29, 22-30.	1.0	28
13	Integrating multiple satellite observations into a coherent dataset to monitor the full water cycle â€" application to the Mediterranean region. Hydrology and Earth System Sciences, 2019, 23, 465-491.	1.9	26
14	Assessment and simulation of global terrestrial latent heat flux by synthesis of CMIP5 climate models and surface eddy covariance observations. Agricultural and Forest Meteorology, 2016, 223, 151-167.	1.9	25
15	An ensemble square root filter for the joint assimilation of surface soil moisture and leaf area index within the Land Data Assimilation System LDAS-Monde: application over the Euro-Mediterranean region. Hydrology and Earth System Sciences, 2020, 24, 325-347.	1.9	25
16	Data assimilation for continuous global assessment of severe conditions over terrestrial surfaces. Hydrology and Earth System Sciences, 2020, 24, 4291-4316.	1.9	18
17	Using Satellite-Derived Vegetation Products to Evaluate LDAS-Monde over the Euro-Mediterranean Area. Remote Sensing, 2018, 10, 1199.	1.8	17
18	The AquiFR hydrometeorological modelling platform as a tool for improving groundwater resource monitoring over France: evaluation over a 60-year period. Hydrology and Earth System Sciences, 2020, 24, 633-654.	1.9	16

#	Article	IF	Citations
19	Parameter optimisation for a better representation of drought by LSMs: inverse modelling vs. sequential data assimilation. Hydrology and Earth System Sciences, 2017, 21, 4861-4878.	1.9	15
20	Hydrological variability of major French rivers over recent decades, assessed from gauging station and GRACE observations. Hydrological Sciences Journal, 2014, 59, 1844-1855.	1.2	14
21	Long-term total water storage change from a Satellite Water Cycle reconstruction over large southern Asian basins. Hydrology and Earth System Sciences, 2020, 24, 3033-3055.	1.9	13
22	Global runoff anomalies over 1993–2009 estimated from coupled Land–Ocean–Atmosphere water budgets and its relation with climate variability. Hydrology and Earth System Sciences, 2012, 16, 3647-3658.	1.9	13
23	Assimilation of Discharge Data into Semidistributed Catchment Models for Short-Term Flow Forecasting: Case Study of the Seine River Basin. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	0.8	7
24	Parametrization of a lake water dynamics model MLake in the ISBA-CTRIP land surface system (SURFEX) Tj ETQq0 0 0 rgBT /Overlock 10	1.3	7
25	River network and hydro-geomorphological parameters at 1⁄12° resolution for global hydrological and climate studies. Earth System Science Data, 2022, 14, 2239-2258.	3.7	7
26	Closed-Form Expression of the Response Time of an Open Channel. Journal of Irrigation and Drainage Engineering - ASCE, 2010, 136, 677-684.	0.6	5
27	An offline framework for high-dimensional ensemble Kalman filters to reduce the time to solution. Geoscientific Model Development, 2020, 13, 3607-3625.	1.3	4