

Simon Munier

List of Publications by Year in descending order

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Version: 2024-02-01

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	River network and hydro-geomorphological parameters at 1°12' resolution for global hydrological and climate studies. <i>Earth System Science Data</i> , 2022, 14, 2239-2258.	3.7	7
2	Parametrization of a lake water dynamics model MLake in the ISBA-CTRIP land surface system (SURFEX) Tj ETQq0 0,0,rgBT /Oerlock 10	1.3	7
3	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. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 325-347.	1.9	25
4	Long-term total water storage change from a Satellite Water Cycle reconstruction over large southern Asian basins. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 3033-3055.	1.9	13
5	The AquifR hydrometeorological modelling platform as a tool for improving groundwater resource monitoring over France: evaluation over a 60-year period. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 633-654.	1.9	16
6	Data assimilation for continuous global assessment of severe conditions over terrestrial surfaces. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 4291-4316.	1.9	18
7	An offline framework for high-dimensional ensemble Kalman filters to reduce the time to solution. <i>Geoscientific Model Development</i> , 2020, 13, 3607-3625.	1.3	4
8	Assessment of precipitation error propagation in multi-model global water resource reanalysis. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 1973-1994.	1.9	37
9	Monitoring and Forecasting the Impact of the 2018 Summer Heatwave on Vegetation. <i>Remote Sensing</i> , 2019, 11, 520.	1.8	40
10	Integrating multiple satellite observations into a coherent dataset to monitor the full water cycle " application to the Mediterranean region. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 465-491.	1.9	26
11	A new global method of satellite dataset merging and quality characterization constrained by the terrestrial water budget. <i>Remote Sensing of Environment</i> , 2018, 205, 119-130.	4.6	31
12	LDAS-Monde Sequential Assimilation of Satellite Derived Observations Applied to the Contiguous US: An ERA-5 Driven Reanalysis of the Land Surface Variables. <i>Remote Sensing</i> , 2018, 10, 1627.	1.8	40
13	Using Satellite-Derived Vegetation Products to Evaluate LDAS-Monde over the Euro-Mediterranean Area. <i>Remote Sensing</i> , 2018, 10, 1199.	1.8	17
14	Satellite Leaf Area Index: Global Scale Analysis of the Tendencies Per Vegetation Type Over the Last 17 Years. <i>Remote Sensing</i> , 2018, 10, 424.	1.8	29
15	ERA-5 and ERA-Interim driven ISBA land surface model simulations: which one performs better?. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 3515-3532.	1.9	243
16	Sequential assimilation of satellite-derived vegetation and soil moisture products using SURFEX_v8.0: LDAS-Monde assessment over the Euro-Mediterranean area. <i>Geoscientific Model Development</i> , 2017, 10, 3889-3912.	1.3	88
17	Parameter optimisation for a better representation of drought by LSMs: inverse modelling vs. sequential data assimilation. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 4861-4878.	1.9	15
18	Assessment and simulation of global terrestrial latent heat flux by synthesis of CMIP5 climate models and surface eddy covariance observations. <i>Agricultural and Forest Meteorology</i> , 2016, 223, 151-167.	1.9	25

#	ARTICLE	IF	CITATIONS
19	SWOT data assimilation for operational reservoir management on the upper Niger River Basin. <i>Water Resources Research</i> , 2015, 51, 554-575.	1.7	69
20	Assimilation of Discharge Data into Semidistributed Catchment Models for Short-Term Flow Forecasting: Case Study of the Seine River Basin. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015, 20, .	0.8	7
21	Hydrological variability of major French rivers over recent decades, assessed from gauging station and GRACE observations. <i>Hydrological Sciences Journal</i> , 2014, 59, 1844-1855.	1.2	14
22	Combining data sets of satellite-retrieved products for basin-scale water balance study: 2. Evaluation on the Mississippi Basin and closure correction model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 12,100.	1.2	39
23	Estimating ENSO Influence on the Global Mean Sea Level, 1993-2010. <i>Marine Geodesy</i> , 2012, 35, 82-97.	0.9	76
24	Global runoff anomalies over 1993-2009 estimated from coupled Land-Ocean-Atmosphere water budgets and its relation with climate variability. <i>Hydrology and Earth System Sciences</i> , 2012, 16, 3647-3658.	1.9	13
25	Closed-Form Expression of the Response Time of an Open Channel. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2010, 136, 677-684.	0.6	5
26	Flatness-based control of open-channel flow in an irrigation canal using SCADA [Applications of Control]. <i>IEEE Control Systems</i> , 2009, 29, 22-30.	1.0	28
27	Distributed approximation of open-channel flow routing accounting for backwater effects. <i>Advances in Water Resources</i> , 2008, 31, 1590-1602.	1.7	32