

Morten Grum

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A generalised Dynamic Overflow Risk Assessment (DORA) for Real Time Control of urban drainage systems. <i>Journal of Hydrology</i> , 2014, 515, 292-303.	5.4	45
2	Probabilistic runoff volume forecasting in risk-based optimization for RTC of urban drainage systems. <i>Environmental Modelling and Software</i> , 2016, 80, 143-158.	4.5	35
3	Coordinating Rule-Based and System-Wide Model Predictive Control Strategies to Reduce Storage Expansion of Combined Urban Drainage Systems: The Case Study of Lundtofte, Denmark. <i>Water (Switzerland)</i> , 2018, 10, 76.	2.7	29
4	Grey-box modelling of flow in sewer systems with state-dependent diffusion. <i>Environmetrics</i> , 2011, 22, 946-961.	1.4	21
5	Evaluation of probabilistic flow predictions in sewer systems using grey box models and a skill score criterion. <i>Stochastic Environmental Research and Risk Assessment</i> , 2012, 26, 1151-1162.	4.0	19
6	Dynamic gauge adjustment of high-resolution X-band radar data for convective rain storms: Model-based evaluation against measured combined sewer overflow. <i>Journal of Hydrology</i> , 2016, 539, 687-699.	5.4	17
7	A partial ensemble Kalman filtering approach to enable use of range limited observations. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015, 29, 119-129.	4.0	16
8	Comparison of short-term rainfall forecasts for model-based flow prediction in urban drainage systems. <i>Water Science and Technology</i> , 2013, 68, 472-478.	2.5	13
9	Using ensemble weather forecast in a risk based real time optimization of urban drainage systems. <i>Houille Blanche</i> , 2015, 101, 101-107.	0.3	11
10	Distinguishing high and low flow domains in urban drainage systems 2 days ahead using numerical weather prediction ensembles. <i>Journal of Hydrology</i> , 2018, 556, 1013-1025.	5.4	9
11	Evaluation of Maximum a Posteriori Estimation as Data Assimilation Method for Forecasting Infiltration-Inflow Affected Urban Runoff with Radar Rainfall Input. <i>Water (Switzerland)</i> , 2016, 8, 381.	2.7	7
12	Comparing the impact of time displaced and biased precipitation estimates for online updated urban runoff models. <i>Water Science and Technology</i> , 2013, 68, 109-116.	2.5	5
13	Robust model for estimating pumping station characteristics and sewer flows from standard pumping station data. <i>Water Science and Technology</i> , 2019, 79, 1739-1745.	2.5	5
14	Technical Note on the Dynamic Changes in Kalman Gain when Updating Hydrodynamic Urban Drainage Models. <i>Geosciences (Switzerland)</i> , 2018, 8, 416.	2.2	4
15	A gain-loss framework based on ensemble flow forecasts to switch the urban drainage wastewater system management towards energy optimization during dry periods. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 2531-2544.	4.9	3