

Joost Delsman

List of Publications by Year in descending order

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14
papers

461
citations

1040056

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592
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear model predictive control of salinity and water level in polder networks: Case study of Lissertocht catchment. <i>Agricultural Water Management</i> , 2022, 264, 107502.	5.6	5
2	Factors Determining the Natural Fresh-Salt Groundwater Distribution in Deltas. <i>Water Resources Research</i> , 2021, 57, e2020WR027290.	4.2	11
3	A Greedy Algorithm for Optimal Sensor Placement to Estimate Salinity in Polder Networks. <i>Water (Switzerland)</i> , 2019, 11, 1101.	2.7	8
4	Optimal salinity and water level control of water courses using Model Predictive Control. <i>Environmental Modelling and Software</i> , 2019, 112, 36-45.	4.5	9
5	Large-scale, probabilistic salinity mapping using airborne electromagnetics for groundwater management in Zeeland, the Netherlands. <i>Environmental Research Letters</i> , 2018, 13, 084011.	5.2	44
6	Fast calculation of groundwater exfiltration salinity in a lowland catchment using a lumped celerity/velocity approach. <i>Environmental Modelling and Software</i> , 2017, 96, 323-334.	4.5	9
7	Complex conductivity of soils. <i>Water Resources Research</i> , 2017, 53, 7121-7147.	4.2	109
8	Global sampling to assess the value of diverse observations in conditioning a real-world groundwater flow and transport model. <i>Water Resources Research</i> , 2016, 52, 1652-1672.	4.2	11
9	Polder Flushing: Model Predictive Control of Flushing Operations to Effective and Real Time Control of Salinity in Polders. <i>Procedia Engineering</i> , 2016, 154, 94-98.	1.2	1
10	Low-Resolution Modeling of Dense Drainage Networks in Confining Layers. <i>Ground Water</i> , 2015, 53, 771-781.	1.3	4
11	Paleo-modeling of coastal saltwater intrusion during the Holocene: an application to the Netherlands. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 3891-3905.	4.9	86
12	Investigating summer flow paths in a Dutch agricultural field using high frequency direct measurements. <i>Journal of Hydrology</i> , 2014, 519, 3069-3085.	5.4	22
13	An operational, multi-scale, multi-model system for consensus-based, integrated water management and policy analysis: The Netherlands Hydrological Instrument. <i>Environmental Modelling and Software</i> , 2014, 59, 98-108.	4.5	86
14	Uncertainty estimation of end-member mixing using generalized likelihood uncertainty estimation (GLUE), applied in a lowland catchment. <i>Water Resources Research</i> , 2013, 49, 4792-4806.	4.2	54