Sreekanth Janardhanan

List of Publications by Year in Descending Order

26 papers	584 citations	11 h-index	24 g-index
30 ext. papers	665 ext. citations	4.3 avg, IF	4.42 L-index

#	Paper	IF	Citations
26	Modeling and Management Option Analysis for Saline Groundwater Drainage in a Deltaic Island. *Sustainability*, **2021**, 13, 6784	3.6	1
25	Adaptative DNN emulator-enabled multi-objective optimization to manage aquifer–sea flux interactions in a regional coastal aquifer. *Agricultural Water Management*, **2021**, 245, 106571	5.9	4
24	Impact of model parameterization on predictive uncertainty of regional groundwater models in the context of environmental impact assessment. *Environmental Impact Assessment Review*, **2021**, 90, 106620	5.3	3
23	Optimal Design and Prediction-Independent Verification of Groundwater Monitoring Network. *Water (Switzerland)*, **2020**, 12, 123	3	6
22	Regional-scale modelling and predictive uncertainty analysis of cumulative groundwater impacts from coal seam gas and coal mining developments. *Hydrogeology Journal*, **2020**, 28, 193-218	3.1	2
21	Impacts of coal mining and coal seam gas extraction on groundwater and surface water. *Journal of Hydrology*, **2020**, 591, 125281	6	2
20	Probabilistic Groundwater Flow, Particle Tracking and Uncertainty Analysis for Environmental Receptor Vulnerability Assessment of a Coal Seam Gas Project. *Water (Switzerland)*, **2020**, 12, 3177	3	1
19	Deep learning emulators for groundwater contaminant transport modelling. *Journal of Hydrology*, **2020**, 590, 125351	6	14
18	Computational efficient inverse groundwater modeling using Random Mixing and Whittaker–Shannon interpolation. *Advances in Water Resources*, **2019**, 123, 109-119	4.7	7
17	Probabilistic modelling and uncertainty analysis of flux and water balance changes in a regional aquifer system due to coal seam gas development. *Science of the Total Environment*, **2018**, 634, 1246-1258	10.2	10
16	Novel patch modelling method for efficient simulation and prediction uncertainty analysis of multi-scale groundwater flow and transport processes. *Journal of Hydrology*, **2018**, 559, 122-135	6	8
15	Design of optimal groundwater monitoring well network using stochastic modeling and reduced-rank spatial prediction. *Water Resources Research*, **2017**, 53, 6821-6840	5.4	16
14	Pareto-based efficient stochastic simulation–optimization for robust and reliable groundwater management. *Journal of Hydrology*, **2016**, 533, 180-190	6	24
13	Review: Simulation-optimization models for the management and monitoring of coastal aquifers. *Hydrogeology Journal*, **2015**, 23, 1155-1166	3.1	50
12	Estimation of Optimal Groundwater Substitution Volumes Using a Distributed Parameter Groundwater Model and Prediction Uncertainty Analysis. *Water Resources Management*, **2015**, 29, 3663-3679	3.7	9
11	Stochastic and Robust Multi-Objective Optimal Management of Pumping from Coastal Aquifers Under Parameter Uncertainty. *Water Resources Management*, **2014**, 28, 2005-2019	3.7	41
10	Design of an Optimal Compliance Monitoring Network and Feedback Information for Adaptive Management of Saltwater Intrusion in Coastal Aquifers. *Journal of Water Resources Planning and Management - ASCE*, **2014**, 140, 04014026	2.8	16

List of Publications

9	Application of Genetic Programming Models Incorporated in Optimization Models for Contaminated Groundwater Systems Management. *Advances in Intelligent Systems and Computing*, **2014**, 183-199	0.4	10
8	Comment on "Artificial neural network model as a potential alternative for groundwater salinity forecasting" by Pallavi Banerjee et al. [J. Hydrol. 398 (2011) 212–220]. *Journal of Hydrology*, **2012**, 420-421, 419-420	6	
7	Genetic Programming: Efficient Modeling Tool in Hydrology and Groundwater Management **2012**,		8
6	Optimal Short-term Reservoir Operation with Integrated Long-term Goals. *Water Resources Management*, **2012**, 26, 2833-2850	3.7	27
5	Coupled simulation-optimization model for coastal aquifer management using genetic programming-based ensemble surrogate models and multiple-realization optimization. *Water Resources Research*, **2011**, 47,	5.4	95
4	Comparative Evaluation of Genetic Programming and Neural Network as Potential Surrogate Models for Coastal Aquifer Management. *Water Resources Management*, **2011**, 25, 3201-3218	3.7	65
3	Optimal combined operation of production and barrier wells for the control of saltwater intrusion in coastal groundwater well fields. *Desalination and Water Treatment*, **2011**, 32, 72-78		25
2	Multi-objective management of saltwater intrusion in coastal aquifers using genetic programming and modular neural network based surrogate models. *Journal of Hydrology*, **2010**, 393, 245-256	6	139
1	ARTIFICIAL INTELLIGENCE-BASED MODELS FOR THE OPTIMAL AND SUSTAINABLE USE OF GROUNDWATER IN COASTAL AQUIFERS211-222		