

Sreekanth Janardhanan

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Multi-objective management of saltwater intrusion in coastal aquifers using genetic programming and modular neural network based surrogate models. <i>Journal of Hydrology</i> , 2010 , 393, 245-256	6	139
25	Coupled simulation-optimization model for coastal aquifer management using genetic programming-based ensemble surrogate models and multiple-realization optimization. <i>Water Resources Research</i> , 2011 , 47,	5.4	95
24	Comparative Evaluation of Genetic Programming and Neural Network as Potential Surrogate Models for Coastal Aquifer Management. <i>Water Resources Management</i> , 2011 , 25, 3201-3218	3.7	65
23	Review: Simulation-optimization models for the management and monitoring of coastal aquifers. <i>Hydrogeology Journal</i> , 2015 , 23, 1155-1166	3.1	50
22	Stochastic and Robust Multi-Objective Optimal Management of Pumping from Coastal Aquifers Under Parameter Uncertainty. <i>Water Resources Management</i> , 2014 , 28, 2005-2019	3.7	41
21	Optimal Short-term Reservoir Operation with Integrated Long-term Goals. <i>Water Resources Management</i> , 2012 , 26, 2833-2850	3.7	27
20	Optimal combined operation of production and barrier wells for the control of saltwater intrusion in coastal groundwater well fields. <i>Desalination and Water Treatment</i> , 2011 , 32, 72-78		25
19	Pareto-based efficient stochastic simulation-optimization for robust and reliable groundwater management. <i>Journal of Hydrology</i> , 2016 , 533, 180-190	6	24
18	Design of optimal groundwater monitoring well network using stochastic modeling and reduced-rank spatial prediction. <i>Water Resources Research</i> , 2017 , 53, 6821-6840	5.4	16
17	Design of an Optimal Compliance Monitoring Network and Feedback Information for Adaptive Management of Saltwater Intrusion in Coastal Aquifers. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2014 , 140, 04014026	2.8	16
16	Deep learning emulators for groundwater contaminant transport modelling. <i>Journal of Hydrology</i> , 2020 , 590, 125351	6	14
15	Probabilistic modelling and uncertainty analysis of flux and water balance changes in a regional aquifer system due to coal seam gas development. <i>Science of the Total Environment</i> , 2018 , 634, 1246-1258	10.2	10
14	Application of Genetic Programming Models Incorporated in Optimization Models for Contaminated Groundwater Systems Management. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 183-199	0.4	10
13	Estimation of Optimal Groundwater Substitution Volumes Using a Distributed Parameter Groundwater Model and Prediction Uncertainty Analysis. <i>Water Resources Management</i> , 2015 , 29, 3663-3679	3.7	9
12	Novel patch modelling method for efficient simulation and prediction uncertainty analysis of multi-scale groundwater flow and transport processes. <i>Journal of Hydrology</i> , 2018 , 559, 122-135	6	8
11	Genetic Programming: Efficient Modeling Tool in Hydrology and Groundwater Management 2012 ,		8
10	Computational efficient inverse groundwater modeling using Random Mixing and Whittaker-Bannon interpolation. <i>Advances in Water Resources</i> , 2019 , 123, 109-119	4.7	7

9	Optimal Design and Prediction-Independent Verification of Groundwater Monitoring Network. <i>Water (Switzerland)</i> , 2020 , 12, 123	3	6
8	Adaptative DNN emulator-enabled multi-objective optimization to manage aquifer-sea flux interactions in a regional coastal aquifer. <i>Agricultural Water Management</i> , 2021 , 245, 106571	5.9	4
7	Impact of model parameterization on predictive uncertainty of regional groundwater models in the context of environmental impact assessment. <i>Environmental Impact Assessment Review</i> , 2021 , 90, 106620	5.3	3
6	Regional-scale modelling and predictive uncertainty analysis of cumulative groundwater impacts from coal seam gas and coal mining developments. <i>Hydrogeology Journal</i> , 2020 , 28, 193-218	3.1	2
5	Impacts of coal mining and coal seam gas extraction on groundwater and surface water. <i>Journal of Hydrology</i> , 2020 , 591, 125281	6	2
4	Probabilistic Groundwater Flow, Particle Tracking and Uncertainty Analysis for Environmental Receptor Vulnerability Assessment of a Coal Seam Gas Project. <i>Water (Switzerland)</i> , 2020 , 12, 3177	3	1
3	Modeling and Management Option Analysis for Saline Groundwater Drainage in a Deltaic Island. <i>Sustainability</i> , 2021 , 13, 6784	3.6	1
2	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]. <i>Journal of Hydrology</i> , 2012 , 420-421, 419-420	6	
1	ARTIFICIAL INTELLIGENCE-BASED MODELS FOR THE OPTIMAL AND SUSTAINABLE USE OF GROUNDWATER IN COASTAL AQUIFERS	211-222	