

# Alvin Lal

## List of Publications by Year in Descending Order

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**Version:** 2024-04-23

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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.

15  
papers

128  
citations

7  
h-index

11  
g-index

15  
ext. papers

191  
ext. citations

3.8  
avg, IF

4.03  
L-index

#	Paper	IF	Citations
15	A review of groundwater sustainability crisis in the Pacific Island countries: Challenges and solutions. <i>Journal of Hydrology</i> , <b>2021</b> , 127165	6	0
14	Application of the group method of data handling and variable importance analysis for prediction and modelling of saltwater intrusion processes in coastal aquifers. <i>Neural Computing and Applications</i> , <b>2021</b> , 33, 4179-4190	4.8	1
13	Robust Ensemble Modeling Paradigm for Groundwater Salinity Predictions in Complex Aquifer Systems <b>2021</b> , 53-72		1
12	Optimization algorithms as training approaches for prediction of reference evapotranspiration using adaptive neuro fuzzy inference system. <i>Agricultural Water Management</i> , <b>2021</b> , 255, 107003	5.9	10
11	Performance Evaluation of Homogeneous and Heterogeneous Ensemble Models for Groundwater Salinity Predictions: a Regional-Scale Comparison Study. <i>Water, Air, and Soil Pollution</i> , <b>2020</b> , 231, 1	2.6	7
10	Optimal pumping strategies for the management of coastal groundwater resources: application of Gaussian Process Regression metamodel-based simulation-optimization methodology. <i>ISH Journal of Hydraulic Engineering</i> , <b>2019</b> , 1-10	1.5	5
9	Optimal Groundwater-Use Strategy for Saltwater Intrusion Management in a Pacific Island Country. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2019</b> , 145, 04019032	2.8	11
8	Application of Monitoring Network Design and Feedback Information for Adaptive Management of Coastal Groundwater Resources. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 16,	4.6	2
7	Multi-objective groundwater management strategy under uncertainties for sustainable control of saltwater intrusion: Solution for an island country in the South Pacific. <i>Journal of Environmental Management</i> , <b>2019</b> , 234, 115-130	7.9	24
6	Development and Implementation of Support Vector Machine Regression Surrogate Models for Predicting Groundwater Pumping-Induced Saltwater Intrusion into Coastal Aquifers. <i>Water Resources Management</i> , <b>2018</b> , 32, 2405-2419	3.7	32
5	MULTIPLE OBJECTIVE MANAGEMENT STRATEGIES FOR COASTAL AQUIFERS UTILIZING NEW SURROGATE MODELS. <i>International Journal of GEOMATE</i> , <b>2018</b> , 15,	1.6	8
4	Modelling saltwater intrusion processes and development of a multi-objective strategy for management of coastal aquifers utilizing planned artificial freshwater recharge. <i>Modeling Earth Systems and Environment</i> , <b>2018</b> , 4, 111-126	3.2	19
3	Genetic Programming and Gaussian Process Regression Models for Groundwater Salinity Prediction: Machine Learning for Sustainable Water Resources Management <b>2018</b> ,		6
2	Near-surface study of a hot spring site in Fiji. <i>Acta Geophysica</i> , <b>2018</b> , 66, 659-672	2.2	1
1	Self-potential and soil temperature profiling: Case study of Tavua hot spring, Fiji <b>2015</b> ,		1