

# Alvin Lal

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8505931/publications.pdf>

Version: 2024-02-01

15  
papers

250  
citations

1162367

8  
h-index

1199166

12  
g-index

15  
all docs

15  
docs citations

15  
times ranked

241  
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 2018, 32, 2405-2419.	1.9	48
2	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> , 2019, 234, 115-130.	3.8	42
3	Optimization algorithms as training approaches for prediction of reference evapotranspiration using adaptive neuro fuzzy inference system. <i>Agricultural Water Management</i> , 2021, 255, 107003.	2.4	37
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> , 2018, 4, 111-126.	1.9	28
5	Performance Evaluation of Homogeneous and Heterogeneous Ensemble Models for Groundwater Salinity Predictions: a Regional-Scale Comparison Study. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	19
6	A review of groundwater sustainability crisis in the Pacific Island countries: Challenges and solutions. <i>Journal of Hydrology</i> , 2021, 603, 127165.	2.3	18
7	Optimal Groundwater-Use Strategy for Saltwater Intrusion Management in a Pacific Island Country. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2019, 145, .	1.3	16
8	MULTIPLE OBJECTIVE MANAGEMENT STRATEGIES FOR COASTAL AQUIFERS UTILIZING NEW SURROGATE MODELS. <i>International Journal of GEOMATE</i> , 2018, 15, .	0.1	10
9	Genetic Programming and Gaussian Process Regression Models for Groundwater Salinity Prediction: Machine Learning for Sustainable Water Resources Management. , 2018, , .		8
10	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> , 2019, 16, 4365.	1.2	8
11	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> , 2019, , 1-10.	1.1	6
12	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> , 2021, 33, 4179-4190.	3.2	6
13	Near-surface study of a hot spring site in Fiji. <i>Acta Geophysica</i> , 2018, 66, 659-672.	1.0	2
14	Robust Ensemble Modeling Paradigm for Groundwater Salinity Predictions in Complex Aquifer Systems. , 2021, , 53-72.		1
15	Self-potential and soil temperature profiling: Case study of Tavua hot spring, Fiji. , 2015, , .		1