

Abdul Razzaq Ghumman

List of Publications by Year in Descending Order

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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.

53
papers

656
citations

15
h-index

22
g-index

55
ext. papers

814
ext. citations

3
avg, IF

4.41
L-index

#	Paper	IF	Citations
53	Simulation of Quantity and Quality of Saq Aquifer Using Artificial Intelligence and Hydraulic Models. <i>Advances in Civil Engineering</i> , 2022 , 2022, 1-22	1.3	
52	Simulation of Pan-Evaporation Using Penman and Hamon Equations and Artificial Intelligence Techniques. <i>Water (Switzerland)</i> , 2021 , 13, 793	3	4
51	Reply: response to letter to the editor. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 4889-4896	1	1
50	Wastewater treatment by microalgal membrane bioreactor: Evaluating the effect of organic loading rate and hydraulic residence time. <i>Journal of Environmental Management</i> , 2021 , 278, 111548	7.9	8
49	Source to Tap Risk Assessment for Intermittent Water Supply Systems in Arid Regions: An Integrated FTA-Fuzzy FMEA Methodology. <i>Environmental Management</i> , 2021 , 67, 324-341	3.1	4
48	Experimental investigation of flood energy reduction through vegetation at various angles. <i>River Research and Applications</i> , 2021 , 37, 644-655	2.3	0
47	Spatiotemporal variations of DOM components in the Kushiro River impacted by a wetland. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 18287-18302	5.1	4
46	Functional data analysis of models for predicting temperature and precipitation under climate change scenarios. <i>Journal of Water and Climate Change</i> , 2020 , 11, 1748-1765	2.3	4
45	Identification of Parameters of Evaporation Equations Using an Optimization Technique Based on Pan Evaporation. <i>Water (Switzerland)</i> , 2020 , 12, 228	3	7
44	Assessment Framework for Natural Groundwater Contamination in Arid Regions: Development of Indices and Wells Ranking System Using Fuzzy VIKOR Method. <i>Water (Switzerland)</i> , 2020 , 12, 423	3	8
43	Sustainable Development of Small-Sized Hydropower Plants: Multilevel Decision-Making from Site Selection to Optimal Design. <i>Arabian Journal for Science and Engineering</i> , 2020 , 45, 4141-4159	2.5	2
42	Evaluating the Impacts of Pumping on Aquifer Depletion in Arid Regions Using MODFLOW, ANFIS and ANN. <i>Water (Switzerland)</i> , 2020 , 12, 2297	3	7
41	Evaluating the impact of climate change on stream flow: integrating GCM, hydraulic modelling and functional data analysis. <i>Arabian Journal of Geosciences</i> , 2020 , 13, 1	1.8	1
40	Sustainability Evaluation of Rainwater Harvesting-Based Flood Risk Management Strategies: A Multilevel Decision-Making Framework for Arid Environments. <i>Arabian Journal for Science and Engineering</i> , 2019 , 44, 8465-8488	2.5	13
39	Treatment of Ablution Greywater for Recycling by Alum Coagulation and Activated Carbon Adsorption. <i>Arabian Journal for Science and Engineering</i> , 2019 , 44, 8389-8399	2.5	8
38	Application of Godunov Type 2D Model for Simulating Sediment Flushing in a Reservoir. <i>Arabian Journal for Science and Engineering</i> , 2019 , 44, 4289-4307	2.5	2
37	Impact Assessment of Pier Shape and Modifications on Scouring around Bridge Pier. <i>Water (Switzerland)</i> , 2019 , 11, 1761	3	8

36	Experimental Investigation of Flood Energy Dissipation by Single and Hybrid Defense System. <i>Water (Switzerland)</i> , 2019 , 11, 1971	3	6
35	Framework to Establish Economic Level of Leakage for Intermittent Water Supplies in Arid Environments. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2019 , 145, 05018018	2.8	17
34	Planning of Hydraulic Flushing Schedule for Prolonging the Life of a Hydropower Plant. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2019 , 43, 487-501	1.1	1
33	Sustainability Evaluation Framework of Urban Stormwater Drainage Options for Arid Environments Using Hydraulic Modeling and Multicriteria Decision-Making. <i>Water (Switzerland)</i> , 2018 , 10, 581	3	12
32	Impact Assessment of Rainfall-Runoff Simulations on the Flow Duration Curve of the Upper Indus River: A Comparison of Data-Driven and Hydrologic Models. <i>Water (Switzerland)</i> , 2018 , 10, 876	3	24
31	Development of Consumer Perception Index for assessing greywater reuse potential in arid environments. <i>Water S A</i> , 2018 , 44,	1.3	6
30	Performance assessment of artificial neural networks and support vector regression models for stream flow predictions. <i>Environmental Monitoring and Assessment</i> , 2018 , 190, 704	3.1	25
29	Experimental and numerical investigations for optimal emitter spacing in drip irrigation. <i>Irrigation and Drainage</i> , 2018 , 67, 724-737	1.1	8
28	Future Predictions of Rainfall and Temperature Using GCM and ANN for Arid Regions: A Case Study for the Qassim Region, Saudi Arabia. <i>Water (Switzerland)</i> , 2018 , 10, 1260	3	24
27	Hydrological response of two high altitude Swiss catchments to energy balance and temperature index melt schemes. <i>Polar Science</i> , 2018 , 17, 1-12	2.3	5
26	Evaluating the impact of lower resolutions of digital elevation model on rainfall-runoff modeling for ungauged catchments. <i>Environmental Monitoring and Assessment</i> , 2017 , 189, 54	3.1	17
25	Development of Groundwater Quality Index Using Fuzzy-Based Multicriteria Analysis for Buraydah, Qassim, Saudi Arabia. <i>Arabian Journal for Science and Engineering</i> , 2017 , 42, 4033-4051	2.5	12
24	Optimally sizing small hydropower project under future projected flows. <i>KSCE Journal of Civil Engineering</i> , 2017 , 21, 1964-1978	1.9	6
23	Investigation of temporal change in glacial extent of Chitral watershed using Landsat data. <i>Environmental Monitoring and Assessment</i> , 2016 , 188, 43	3.1	3
22	Ranking sensitive calibrating parameters of UBC Watershed Model. <i>KSCE Journal of Civil Engineering</i> , 2015 , 19, 1538-1547	1.9	3
21	Predicting streamflows to a multipurpose reservoir using artificial neural networks and regression techniques. <i>Earth Science Informatics</i> , 2015 , 8, 337-352	2.5	15
20	Performance assessment of aquatic macrophytes for treatment of municipal wastewater. <i>Journal of the South African Institution of Civil Engineering</i> , 2015 , 57, 18-25	1	10
19	Performance assessment of aquatic macrophytes for treatment of municipal wastewater. <i>Journal of Environmental Health Science & Engineering</i> , 2014 , 12, 106	2.9	41

18	COMPARATIVE EVALUATION OF IMPLEMENTING PARTICIPATORY IRRIGATION MANAGEMENT IN PUNJAB, PAKISTAN. <i>Irrigation and Drainage</i> , 2014 , 63, 315-327	1.1	11
17	Carbon emissions from power sector in Pakistan and opportunities to mitigate those. <i>Renewable and Sustainable Energy Reviews</i> , 2014 , 34, 71-77	16.2	40
16	Environmental and socio-economic impacts of pipe drainage in Pakistan. <i>Environmental Monitoring and Assessment</i> , 2012 , 184, 1671-81	3.1	7
15	Development of geomorphologic instantaneous unit hydrograph for a large watershed. <i>Environmental Monitoring and Assessment</i> , 2012 , 184, 3153-63	3.1	7
14	Runoff forecasting by artificial neural network and conventional model. <i>AEJ - Alexandria Engineering Journal</i> , 2011 , 50, 345-350	6.1	49
13	Impact assessment of subsurface drainage on waterlogged and saline lands. <i>Environmental Monitoring and Assessment</i> , 2011 , 172, 189-97	3.1	15
12	Groundwater modeling of Saq Aquifer Buraydah Al Qassim for better water management strategies. <i>Environmental Monitoring and Assessment</i> , 2011 , 173, 851-60	3.1	45
11	Assessment of water quality of Rawal Lake by long-time monitoring. <i>Environmental Monitoring and Assessment</i> , 2011 , 180, 115-26	3.1	17
10	Flood Inundation Modeling for a Watershed in the Pothowar Region of Pakistan. <i>Arabian Journal for Science and Engineering</i> , 2011 , 36, 1203-1220		9
9	Investigation of the impact of global warming on precipitation pattern of Saudi Arabia. <i>Civil Engineering and Environmental Systems</i> , 2010 , 27, 365-376	2.1	5
8	Estimation of a Unique Pair of Nash Model Parameters: An Optimization Approach. <i>Water Resources Management</i> , 2010 , 24, 2971-2989	3.7	37
7	Estimation of a Unique Pair of Nash Model Parameters: An Optimization Approach 2010 , 24, 2971		2
6	Estimation of Clark's Instantaneous Unit Hydrograph Parameters and Development of Direct Surface Runoff Hydrograph. <i>Water Resources Management</i> , 2009 , 23, 2417-2435	3.7	53
5	Hydrodynamic modelling for water-saving strategies in irrigation canals. <i>Irrigation and Drainage</i> , 2008 , 57, 400-410	1.1	4
4	Modification of the damping function in the k _ω model to analyse oscillatory boundary layers. <i>Ocean Engineering</i> , 2007 , 34, 320-326	3.9	9
3	Use of numerical modelling for management of canal irrigation water. <i>Irrigation and Drainage</i> , 2006 , 55, 445-458	1.1	9
2	Flood Estimation by Various Techniques for Small and Large Catchments 2006 , 1		1
1	Development of a Rainfall-Runoff Model, its Calibration and Validation. <i>Water Resources Management</i> , 2001 , 15, 149-163	3.7	20

