

Gokmen Tayfur

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2256608/gokmen-tayfur-publications-by-citations.pdf>
Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

80 papers	1,982 citations	25 h-index	41 g-index
89 ext. papers	2,287 ext. citations	3.5 avg, IF	5.37 L-index

#	Paper	IF	Citations
80	Artificial neural networks for sheet sediment transport. <i>Hydrological Sciences Journal</i> , 2002 , 47, 879-892	3.5	133
79	Fuzzy logic model for the prediction of cement compressive strength. <i>Cement and Concrete Research</i> , 2004 , 34, 1429-1433	10.3	122
78	The use of GANNs in the modelling of compressive strength of cement mortar. <i>Cement and Concrete Research</i> , 2003 , 33, 973-979	10.3	96
77	ANN and Fuzzy Logic Models for Simulating Event-Based Rainfall-Runoff. <i>Journal of Hydraulic Engineering</i> , 2006 , 132, 1321-1330	1.8	92
76	Applicability of St. Venant Equations for Two-Dimensional Overland Flows over Rough Infiltrating Surfaces. <i>Journal of Hydraulic Engineering</i> , 1993 , 119, 51-63	1.8	83
75	Fuzzy logic algorithm for runoff-induced sediment transport from bare soil surfaces. <i>Advances in Water Resources</i> , 2003 , 26, 1249-1256	4.7	72
74	Physical and mathematical modelling of anaerobic digestion of organic wastes. <i>Water Research</i> , 1997 , 31, 534-540	12.5	71
73	Predicting Longitudinal Dispersion Coefficient in Natural Streams by Artificial Neural Network. <i>Journal of Hydraulic Engineering</i> , 2005 , 131, 991-1000	1.8	70
72	Groundwater contamination and its effect on health in Turkey. <i>Environmental Monitoring and Assessment</i> , 2011 , 183, 77-94	3.1	59
71	Artificial neural networks for estimating daily total suspended sediment in natural streams 2006 , 37, 69-79		59
70	Case Study: Finite Element Method and Artificial Neural Network Models for Flow through Jeziorsko Earthfill Dam in Poland. <i>Journal of Hydraulic Engineering</i> , 2005 , 131, 431-440	1.8	55
69	Experimental and Numerical Investigation of Bed-Load Transport under Unsteady Flows. <i>Journal of Hydraulic Engineering</i> , 2011 , 137, 1276-1282	1.8	43
68	Artificial neural network (ANN) prediction of compressive strength of VARTM processed polymer composites. <i>Computational Materials Science</i> , 2005 , 34, 99-105	3.2	42
67	Modern Optimization Methods in Water Resources Planning, Engineering and Management. <i>Water Resources Management</i> , 2017 , 31, 3205-3233	3.7	39
66	Two-dimensional numerical modeling of flood wave propagation in an urban area due to Ekmez dam-break, Emir, Turkey. <i>Natural Hazards</i> , 2016 , 81, 2103-2119	3	38
65	Predicting and forecasting flow discharge at sites receiving significant lateral inflow. <i>Hydrological Processes</i> , 2007 , 21, 1848-1859	3.3	38
64	Applicability of Sediment Transport Capacity Models for Nonsteady State Erosion from Steep Slopes. <i>Journal of Hydrologic Engineering - ASCE</i> , 2002 , 7, 252-259	1.8	37

63	Modeling Two-Dimensional Erosion Process over Infiltrating Surfaces. <i>Journal of Hydrologic Engineering - ASCE</i> , 2001 , 6, 259-262	1.8	33
62	Analysis and Assessment of Hydrochemical Characteristics of Maragheh-Bonab Plain Aquifer, Northwest of Iran. <i>Water Resources Management</i> , 2017 , 31, 765-780	3.7	32
61	Coupling soil moisture and precipitation observations for predicting hourly runoff at small catchment scale. <i>Journal of Hydrology</i> , 2014 , 510, 363-371	6	32
60	Predicting Suspended Sediment Loads and Missing Data for Gediz River, Turkey. <i>Journal of Hydrologic Engineering - ASCE</i> , 2009 , 14, 954-965	1.8	31
59	Supervised Intelligent Committee Machine Method for Hydraulic Conductivity Estimation. <i>Water Resources Management</i> , 2014 , 28, 1173-1184	3.7	30
58	Spatially Averaged Conservation Equations for Interacting Rill-Interrill Area Overland Flows. <i>Journal of Hydraulic Engineering</i> , 1994 , 120, 1426-1448	1.8	30
57	Numerical Simulation of Flood Wave Propagation in Two-Dimensions in Densely Populated Urban Areas due to Dam Break. <i>Water Resources Management</i> , 2016 , 30, 5699-5721	3.7	29
56	Strength Prediction of High-Strength Concrete by Fuzzy Logic and Artificial Neural Networks. <i>Journal of Materials in Civil Engineering</i> , 2014 , 26, 04014079	3	29
55	Areally-averaged overland flow equations at hillslope scale. <i>Hydrological Sciences Journal</i> , 1998 , 43, 361-378	3.8	25
54	Principle Component Analysis in Conjunction with Data Driven Methods for Sediment Load Prediction. <i>Water Resources Management</i> , 2013 , 27, 2541-2554	3.7	24
53	Evaluation and Assessment of Meteorological Drought by Different Methods in Trarza Region, Mauritania. <i>Water Resources Management</i> , 2017 , 31, 825-845	3.7	24
52	Groundwater quality and hydrogeochemical properties of Torbali Region, Izmir, Turkey. <i>Environmental Monitoring and Assessment</i> , 2008 , 146, 157-69	3.1	24
51	A simplified model for two-dimensional overland flows. <i>Advances in Water Resources</i> , 1992 , 15, 133-141	4.7	24
50	Fuzzy, ANN, and regression models to predict longitudinal dispersion coefficient in natural streams 2006 , 37, 143-164		23
49	Flood Hydrograph Prediction Using Machine Learning Methods. <i>Water (Switzerland)</i> , 2018 , 10, 968	3	23
48	Predicting flood plain inundation for natural channels having no upstream gauged stations. <i>Journal of Water and Climate Change</i> , 2019 , 10, 360-372	2.3	22
47	Modelling sediment transport from bare rilled hillslopes by areally averaged transport equations. <i>Catena</i> , 2007 , 70, 25-38	5.8	21
46	Prediction of suspended sediment concentration from water quality variables. <i>Neural Computing and Applications</i> , 2014 , 24, 1079-1087	4.8	20

45	GA-optimized model predicts dispersion coefficient in natural channels 2009 , 40, 65-78		19
44	Predicting hourly-based flow discharge hydrographs from level data using genetic algorithms. <i>Journal of Hydrology</i> , 2008 , 352, 77-93	6	19
43	Fuzzy Logic for Rainfall-Runoff Modelling Considering Soil Moisture. <i>Water Resources Management</i> , 2015 , 29, 3519-3533	3.7	18
42	Reverse Flood Routing in Natural Channels using Genetic Algorithm. <i>Water Resources Management</i> , 2015 , 29, 4241-4267	3.7	18
41	Describing the Karst Evolution by the Exploitation of Hydrologic Time-Series Data. <i>Water Resources Management</i> , 2015 , 29, 3131-3147	3.7	17
40	Predicting Mean and Bankfull Discharge from Channel Cross-Sectional Area by Expert and Regression Methods. <i>Water Resources Management</i> , 2011 , 25, 1253-1267	3.7	17
39	Evaluation of a physically based quasi-linear and a conceptually based nonlinear Muskingum methods. <i>Journal of Hydrology</i> , 2017 , 546, 437-449	6	15
38	Genetic Algorithm-Based Discharge Estimation at Sites Receiving Lateral Inflows. <i>Journal of Hydrologic Engineering - ASCE</i> , 2009 , 14, 463-474	1.8	15
37	Forecasting Ambient Air SO ₂ Concentrations Using Artificial Neural Networks. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , 2006 , 1, 127-136	3.1	13
36	Experimental and artificial neural network modeling study on soot formation in premixed hydrocarbon flames?. <i>Fuel</i> , 2003 , 82, 1477-1490	7.1	13
35	Empirical Sediment Transport Models Based on Indoor Rainfall Simulator and Erosion Flume Experimental Data. <i>Land Degradation and Development</i> , 2017 , 28, 1320-1328	4.4	12
34	Modeling Deficit Irrigation in Alfalfa Production. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 1995 , 121, 442-451	1.1	12
33	Rainfall-Runoff Model Considering Microtopography Simulated in a Laboratory Erosion Flume. <i>Water Resources Management</i> , 2016 , 30, 5609-5624	3.7	12
32	Numerical Model for Sediment Transport over Nonplanar, Nonhomogeneous Surfaces. <i>Journal of Hydrologic Engineering - ASCE</i> , 2004 , 9, 35-41	1.8	11
31	Data pre-post processing methods in AI-based modeling of seepage through earthen dams. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019 , 147, 106820	4.6	10
30	Two-dimensional finite elements model for selenium transport in saturated and unsaturated zones. <i>Environmental Monitoring and Assessment</i> , 2010 , 169, 509-18	3.1	10
29	Kinematic wave model for transient bed profiles in alluvial channels under nonequilibrium conditions. <i>Water Resources Research</i> , 2007 , 43,	5.4	10
28	Spatial and temporal of variation of meteorological drought and precipitation trend analysis over whole Mauritania. <i>Journal of African Earth Sciences</i> , 2020 , 163, 103761	2.2	10

27	Groundwater recharge estimation using HYDRUS 1D model in Alaşehir sub-basin of Gediz Basin in Turkey. <i>Environmental Monitoring and Assessment</i> , 2019 , 191, 610	3.1	9
26	Kinematic wave model of bed profiles in alluvial channels. <i>Water Resources Research</i> , 2006 , 42,	5.4	9
25	Investigating a Suitable Empirical Model and Performing Regional Analysis for the Suspended Sediment Load Prediction in Major Rivers of the Aegean Region, Turkey. <i>Water Resources Management</i> , 2017 , 31, 739-764	3.7	8
24	Trend analysis of temperature and precipitation in Trarza region of Mauritania. <i>Journal of Water and Climate Change</i> , 2019 , 10, 484-493	2.3	8
23	Experimental investigation of screens as energy dissipaters in submerged hydraulic jump. <i>Turkish Journal of Engineering and Environmental Sciences</i> , 2014 , 38, 126-138		8
22	Transport capacity models for unsteady and non-equilibrium sediment transport in alluvial channels. <i>Computers and Electronics in Agriculture</i> , 2012 , 86, 26-33	6.5	7
21	Soil erosion model tested on experimental data of a laboratory flume with a pre-existing rill. <i>Journal of Hydrology</i> , 2020 , 581, 124391	6	7
20	Reverse Flood Routing in Rivers Using Linear and Nonlinear Muskingum Models. <i>Journal of Hydrologic Engineering - ASCE</i> , 2021 , 26, 04021018	1.8	7
19	Baraj Yelkeni Sonrası Ki Boyutlu Taka Yayılım Yerleşim Biçimleri in Modellenmesi. <i>Teknik Dergi/Technical Journal of Turkish Chamber of Civil Engineers</i> ,	2	5
18	Use of principal component analysis in conjunction with soft computing methods for investigating total sediment load transferability from laboratory to field scale 2014 , 45, 540-550		4
17	Kinematic Wave Theory for Transient Bed Sediment Waves in Alluvial Rivers. <i>Journal of Hydrologic Engineering - ASCE</i> , 2008 , 13, 297-304	1.8	4
16	Estimation groundwater total recharge and discharge using GIS-integrated water level fluctuation method: a case study from the Alaşehir alluvial aquifer Western Anatolia, Turkey. <i>Arabian Journal of Geosciences</i> , 2020 , 13, 1	1.8	4
15	Developing cation exchange capacity and soil index properties relationships using a neuro-fuzzy approach. <i>Bulletin of Engineering Geology and the Environment</i> , 2014 , 73, 1141-1149	4	3
14	Two-dimensional finite elements model for boron management in agroforestry sites. <i>Environmental Monitoring and Assessment</i> , 2010 , 160, 501-12	3.1	3
13	Discrepancy precipitation index for monitoring meteorological drought. <i>Journal of Hydrology</i> , 2021 , 597, 126174	6	3
12	Prediction of rainfall runoff-induced sediment load from bare land surfaces by generalized regression neural network and empirical model. <i>Water and Environment Journal</i> , 2020 , 34, 66-76	1.7	3
11	Empirical, Numerical, and Soft Modelling Approaches for Non-Cohesive Sediment Transport. <i>Environmental Processes</i> , 2021 , 8, 37-58	2.8	3
10	Trait-based heterogeneous populations plus (TbHP+) genetic algorithm. <i>Mathematical and Computer Modelling</i> , 2009 , 49, 709-720		2

9	Simulating Transient Sediment Waves in Aggraded Alluvial Channels by Double-Decomposition Method. <i>Journal of Hydrologic Engineering - ASCE</i> , 2011 , 16, 362-370	1.8	2
8	Reply to comment on Evaluation of a physically based quasi-linear and a conceptually based nonlinear Muskingum methods by Reza Barati. <i>Journal of Hydrology</i> , 2017 , 550, 740-742	6	1
7	Modeling pollutant transport in overland flow over non-planar and non-homogenous infiltrating surfaces. <i>Journal of Zhejiang University: Science A</i> , 2013 , 14, 110-119	2.1	1
6	Identification of groundwater potential zones in Kabul River Basin, Afghanistan. <i>Groundwater for Sustainable Development</i> , 2021 , 15, 100666	6	1
5	Developing Predictive Equations for Water Capturing Performance and Sediment Release Efficiency for Coanda Intakes Using Artificial Intelligence Methods. <i>Water (Switzerland)</i> , 2022 , 14, 972	3	0
4	Two dimensional bed deformation model in turbulent streams. <i>Australian Journal of Civil Engineering</i> , 2019 , 17, 73-84	1.8	
3	Finite volume method solution of pollutant transport in catchment sheet flow 2014 , 45, 182-189		
2	Modeling Water Stress Effect on Soil Salinity. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2011 , 191-201	0.3	
1	Generalized Regression Neural Network and Empirical Models to Predict the Strength of Gypsum Pastes Containing Fly Ash and Blast Furnace Slag. <i>Arabian Journal for Science and Engineering</i> , 2020 , 45, 3671-3681	2.5	