Gokmen Tayfur

List of Publications by Year in Descending Order

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	Developing Predictive Equations for Water Capturing Performance and Sediment Release Efficiency for Coanda Intakes Using Artificial Intelligence Methods. *Water (Switzerland)*, **2022**, 14, 972	3	0
79	Discrepancy precipitation index for monitoring meteorological drought. *Journal of Hydrology*, **2021**, 597, 126174	6	3
78	Reverse Flood Routing in Rivers Using Linear and Nonlinear Muskingum Models. *Journal of Hydrologic Engineering - ASCE*, **2021**, 26, 04021018	1.8	7
77	Empirical, Numerical, and Soft Modelling Approaches for Non-Cohesive Sediment Transport. *Environmental Processes*, **2021**, 8, 37-58	2.8	3
76	Identification of groundwater potential zones in Kabul River Basin, Afghanistan. *Groundwater for Sustainable Development*, **2021**, 15, 100666	6	1
75	Estimation groundwater total recharge and discharge using GIS-integrated water level fluctuation method: a case study from the Ala□hir alluvial aquifer Western Anatolia, Turkey. *Arabian Journal of Geosciences*, **2020**, 13, 1	1.8	4
74	Generalized Regression Neural Network and Empirical Models to Predict the Strength of Gypsum Pastes Containing Fly Ash and Blast Furnace Slag. *Arabian Journal for Science and Engineering*, **2020**, 45, 3671-3681	2.5	
73	Spatial and temporal of variation of meteorological drought and precipitation trend analysis over whole Mauritania. *Journal of African Earth Sciences*, **2020**, 163, 103761	2.2	10
72	Soil erosion model tested on experimental data of a laboratory flume with a pre-existing rill. *Journal of Hydrology*, **2020**, 581, 124391	6	7
71	Prediction of rainfall runoff-induced sediment load from bare land surfaces by generalized regression neural network and empirical model. *Water and Environment Journal*, **2020**, 34, 66-76	1.7	3
70	Groundwater recharge estimation using HYDRUS 1D model in Ala□hir sub-basin of Gediz Basin in Turkey. *Environmental Monitoring and Assessment*, **2019**, 191, 610	3.1	9
69	Two dimensional bed deformation model in turbulent streams. *Australian Journal of Civil Engineering*, **2019**, 17, 73-84	1.8	
68	Trend analysis of temperature and precipitation in Trarza region of Mauritania. *Journal of Water and Climate Change*, **2019**, 10, 484-493	2.3	8
67	Data pre-post processing methods in AI-based modeling of seepage through earthen dams. *Measurement: Journal of the International Measurement Confederation*, **2019**, 147, 106820	4.6	10
66	Predicting flood plain inundation for natural channels having no upstream gauged stations. *Journal of Water and Climate Change*, **2019**, 10, 360-372	2.3	22
65	Flood Hydrograph Prediction Using Machine Learning Methods. *Water (Switzerland)*, **2018**, 10, 968	3	23
64	Investigating a Suitable Empirical Model and Performing Regional Analysis for the Suspended Sediment Load Prediction in Major Rivers of the Aegean Region, Turkey. *Water Resources Management*, **2017**, 31, 739-764	3.7	8

63	Analysis and Assessment of Hydrochemical Characteristics of Maragheh-Bonab Plain Aquifer, Northwest of Iran. *Water Resources Management*, **2017**, 31, 765-780	3.7	32
62	Empirical Sediment Transport Models Based on Indoor Rainfall Simulator and Erosion Flume Experimental Data. *Land Degradation and Development*, **2017**, 28, 1320-1328	4.4	12
61	Evaluation of a physically based quasi-linear and a conceptually based nonlinear Muskingum methods. *Journal of Hydrology*, **2017**, 546, 437-449	6	15
60	Reply to comment on Evaluation of a physically based quasi-linear and a conceptually based nonlinear Muskingum methods by Reza Barati. *Journal of Hydrology*, **2017**, 550, 740-742	6	1
59	Modern Optimization Methods in Water Resources Planning, Engineering and Management. *Water Resources Management*, **2017**, 31, 3205-3233	3.7	39
58	Evaluation and Assessment of Meteorological Drought by Different Methods in Trarza Region, Mauritania. *Water Resources Management*, **2017**, 31, 825-845	3.7	24
57	Numerical Simulation of Flood Wave Propagation in Two-Dimensions in Densely Populated Urban Areas due to Dam Break. *Water Resources Management*, **2016**, 30, 5699-5721	3.7	29
56	Two-dimensional numerical modeling of flood wave propagation in an urban area due to Ikmez dam-break, Izmir, Turkey. *Natural Hazards*, **2016**, 81, 2103-2119	3	38
55	Rainfall-Runoff Model Considering Microtopography Simulated in a Laboratory Erosion Flume. *Water Resources Management*, **2016**, 30, 5609-5624	3.7	12
54	Fuzzy Logic for Rainfall-Runoff Modelling Considering Soil Moisture. *Water Resources Management*, **2015**, 29, 3519-3533	3.7	18
53	Describing the Karst Evolution by the Exploitation of Hydrologic Time-Series Data. *Water Resources Management*, **2015**, 29, 3131-3147	3.7	17
52	Reverse Flood Routing in Natural Channels using Genetic Algorithm. *Water Resources Management*, **2015**, 29, 4241-4267	3.7	18
51	Supervised Intelligent Committee Machine Method for Hydraulic Conductivity Estimation. *Water Resources Management*, **2014**, 28, 1173-1184	3.7	30
50	Coupling soil moisture and precipitation observations for predicting hourly runoff at small catchment scale. *Journal of Hydrology*, **2014**, 510, 363-371	6	32
49	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
48	Strength Prediction of High-Strength Concrete by Fuzzy Logic and Artificial Neural Networks. *Journal of Materials in Civil Engineering*, **2014**, 26, 04014079	3	29
47	Finite volume method solution of pollutant transport in catchment sheet flow **2014**, 45, 182-189		
46	Experimental investigation of screens as energy dissipaters in submerged hydraulic jump. *Turkish Journal of Engineering and Environmental Sciences*, **2014**, 38, 126-138		8

45	Developing cation exchange capacity and soil index properties relationships using a neuro-fuzzy approach. *Bulletin of Engineering Geology and the Environment*, **2014**, 73, 1141-1149	4	3
44	Prediction of suspended sediment concentration from water quality variables. *Neural Computing and Applications*, **2014**, 24, 1079-1087	4.8	20
43	Modeling pollutant transport in overland flow over non-planar and non-homogenous infiltrating surfaces. *Journal of Zhejiang University: Science A*, **2013**, 14, 110-119	2.1	1
42	Principle Component Analysis in Conjuction with Data Driven Methods for Sediment Load Prediction. *Water Resources Management*, **2013**, 27, 2541-2554	3.7	24
41	Transport capacity models for unsteady and non-equilibrium sediment transport in alluvial channels. *Computers and Electronics in Agriculture*, **2012**, 86, 26-33	6.5	7
40	Groundwater contamination and its effect on health in Turkey. *Environmental Monitoring and Assessment*, **2011**, 183, 77-94	3.1	59
39	Predicting Mean and Bankfull Discharge from Channel Cross-Sectional Area by Expert and Regression Methods. *Water Resources Management*, **2011**, 25, 1253-1267	3.7	17
38	Experimental and Numerical Investigation of Bed-Load Transport under Unsteady Flows. *Journal of Hydraulic Engineering*, **2011**, 137, 1276-1282	1.8	43
37	Simulating Transient Sediment Waves in Aggraded Alluvial Channels by Double-Decomposition Method. *Journal of Hydrologic Engineering - ASCE*, **2011**, 16, 362-370	1.8	2
36	Modeling Water Stress Effect on Soil Salinity. *NATO Science for Peace and Security Series C: Environmental Security*, **2011**, 191-201	0.3	
35	Two-dimensional finite elements model for boron management in agroforestry sites. *Environmental Monitoring and Assessment*, **2010**, 160, 501-12	3.1	3
34	Two-dimensional finite elements model for selenium transport in saturated and unsaturated zones. *Environmental Monitoring and Assessment*, **2010**, 169, 509-18	3.1	10
33	Genetic Algorithm-Based Discharge Estimation at Sites Receiving Lateral Inflows. *Journal of Hydrologic Engineering - ASCE*, **2009**, 14, 463-474	1.8	15
32	Trait-based heterogeneous populations plus (TbHP+) genetic algorithm. *Mathematical and Computer Modelling*, **2009**, 49, 709-720		2
31	Predicting Suspended Sediment Loads and Missing Data for Gediz River, Turkey. *Journal of Hydrologic Engineering - ASCE*, **2009**, 14, 954-965	1.8	31
30	GA-optimized model predicts dispersion coefficient in natural channels **2009**, 40, 65-78		19
29	Predicting hourly-based flow discharge hydrographs from level data using genetic algorithms. *Journal of Hydrology*, **2008**, 352, 77-93	6	19
28	Kinematic Wave Theory for Transient Bed Sediment Waves in Alluvial Rivers. *Journal of Hydrologic Engineering - ASCE*, **2008**, 13, 297-304	1.8	4

27	Groundwater quality and hydrogeochemical properties of Torbali Region, Izmir, Turkey. *Environmental Monitoring and Assessment*, **2008**, 146, 157-69	3.1	24
26	Kinematic wave model for transient bed profiles in alluvial channels under nonequilibrium conditions. *Water Resources Research*, **2007**, 43,	5.4	10
25	Predicting and forecasting flow discharge at sites receiving significant lateral inflow. *Hydrological Processes*, **2007**, 21, 1848-1859	3.3	38
24	Modelling sediment transport from bare rilled hillslopes by areally averaged transport equations. *Catena*, **2007**, 70, 25-38	5.8	21
23	ANN and Fuzzy Logic Models for Simulating Event-Based Rainfall-Runoff. *Journal of Hydraulic Engineering*, **2006**, 132, 1321-1330	1.8	92
22	Forecasting Ambient Air SO2 Concentrations Using Artificial Neural Networks. *Energy Sources, Part B: Economics, Planning and Policy*, **2006**, 1, 127-136	3.1	13
21	Kinematic wave model of bed profiles in alluvial channels. *Water Resources Research*, **2006**, 42,	5.4	9
20	Fuzzy, ANN, and regression models to predict longitudinal dispersion coefficient in natural streams **2006**, 37, 143-164		23
19	Artificial neural networks for estimating daily total suspended sediment in natural streams **2006**, 37, 69-79		59
18	Predicting Longitudinal Dispersion Coefficient in Natural Streams by Artificial Neural Network. *Journal of Hydraulic Engineering*, **2005**, 131, 991-1000	1.8	70
17	Case Study: Finite Element Method and Artificial Neural Network Models for Flow through Jeziorsko Earthfill Dam in Poland. *Journal of Hydraulic Engineering*, **2005**, 131, 431-440	1.8	55
16	Artificial neural network (ANN) prediction of compressive strength of VARTM processed polymer composites. *Computational Materials Science*, **2005**, 34, 99-105	3.2	42
15	Numerical Model for Sediment Transport over Nonplanar, Nonhomogeneous Surfaces. *Journal of Hydrologic Engineering - ASCE*, **2004**, 9, 35-41	1.8	11
14	Fuzzy logic model for the prediction of cement compressive strength. *Cement and Concrete Research*, **2004**, 34, 1429-1433	10.3	122
13	Fuzzy logic algorithm for runoff-induced sediment transport from bare soil surfaces. *Advances in Water Resources*, **2003**, 26, 1249-1256	4.7	72
12	The use of GA□ANNs in the modelling of compressive strength of cement mortar. *Cement and Concrete Research*, **2003**, 33, 973-979	10.3	96
11	Experimental and artificial neural network modeling study on soot formation in premixed hydrocarbon flames?. *Fuel*, **2003**, 82, 1477-1490	7.1	13
10	Artificial neural networks for sheet sediment transport. *Hydrological Sciences Journal*, **2002**, 47, 879-892	3.5	133

9	Applicability of Sediment Transport Capacity Models for Nonsteady State Erosion from Steep Slopes. *Journal of Hydrologic Engineering - ASCE*, **2002**, 7, 252-259	1.8	37
8	Modeling Two-Dimensional Erosion Process over Infiltrating Surfaces. *Journal of Hydrologic Engineering - ASCE*, **2001**, 6, 259-262	1.8	33
7	Areally-averagei overland flow equations at hillslope scale. *Hydrological Sciences Journal*, **1998**, 43, 361-378	3.3	25
6	Physical and mathematical modelling of anaerobic digestion of organic wastes. *Water Research*, **1997**, 31, 534-540	12.5	71
5	Modeling Deficit Irrigation in Alfalfa Production. *Journal of Irrigation and Drainage Engineering - ASCE*, **1995**, 121, 442-451	1.1	12
4	Spatially Averaged Conservation Equations for Interacting Rill-Interrill Area Overland Flows. *Journal of Hydraulic Engineering*, **1994**, 120, 1426-1448	1.8	30
3	Applicability of St. Venant Equations for Two-Dimensional Overland Flows over Rough Infiltrating Surfaces. *Journal of Hydraulic Engineering*, **1993**, 119, 51-63	1.8	83
2	A simplified model for two-dimensional overland flows. *Advances in Water Resources*, **1992**, 15, 133-141	4.7	24
1	Baraj Y□□mas□Sonras□□ki Boyutlu Ta□k□ Yay□□n□□ Yerle□im B□geleri □n Modellenmesi. *Teknik Dergi/Technical Journal of Turkish Chamber of Civil Engineers*,	2	5