

AbdÃ¼ssalam Altunkaynak

List of Publications by Year in descending order

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Version: 2024-02-01

93
papers

1,967
citations

257101

24
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288905

40
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94
all docs

94
docs citations

94
times ranked

1622
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel Geno-Nonlinear formula for oscillating water column efficiency estimation. <i>Energy</i> , 2022, 241, 122513.	4.5	4
2	A novel Geno-fuzzy based model for hydrodynamic efficiency prediction of a land-fixed oscillating water column for various front wall openings, power take-off dampings and incident wave steepnesses. <i>Renewable Energy</i> , 2022, 196, 99-110.	4.3	5
3	Investigating the Effects of Bed Roughness on Incipient Motion in Rigid Boundary Channels with Developed Hybrid Geno-Fuzzy versus Neuro-Fuzzy Models. <i>Geotechnical and Geological Engineering</i> , 2021, 39, 3171-3191.	0.8	3
4	An in depth experimental investigation into effects of incident wave characteristics front wall opening and PTO damping on the water column displacement and air differential pressure in an OWC chamber. <i>Energy</i> , 2021, 230, 120827.	4.5	7
5	Prediction of the Incipient Motion of Sediment Entrainment via a Novel Hybrid Geno-Fuzzy Approach with Experimental Investigations. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2021, 147, .	0.6	2
6	Transfer sea level learning in the Bosphorus Strait by wavelet based machine learning methods. <i>Ocean Engineering</i> , 2021, 233, 109116.	1.9	9
7	Extended lead time accurate forecasting of palmer drought severity index using hybrid wavelet-fuzzy and machine learning techniques. <i>Journal of Hydrology</i> , 2021, 601, 126619.	2.3	16
8	The impacts of climate change on the runoff volume of Melen and Munzur Rivers in Turkey based on calibration of WASMOD model with multiobjective genetic algorithm. <i>Meteorology and Atmospheric Physics</i> , 2020, 132, 85-98.	0.9	3
9	Comparison of Experimental and Numerical Model Results of Oscillating Water Column System Under Regular Wave Conditions. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2020, 44, 299-315.	1.0	1
10	Determination of damping coefficient experimentally and mathematical vibration modelling of OWC surface fluctuations. <i>Renewable Energy</i> , 2020, 147, 1909-1920.	4.3	5
11	Modeling groundwater flow and seawater intrusion in the Terkos Lake aquifer due to Canal Istanbul excavation. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	0.6	1
12	Prediction of flood hazard map based on hybrid fuzzy geographic information system and its application for Ayamama watershed. <i>International Journal of Fuzzy Computation and Modelling</i> , 2020, 3, 16.	0.1	4
13	Physical experimental investigation of the horizontal water flow patterns in the Golden Horn under different scenarios with the presence of various structures. <i>Ocean Engineering</i> , 2020, 215, 107837.	1.9	1
14	Determination of hydrodynamic parameters of a fixed OWC by performing experimental and numerical free decay tests. <i>Ocean Engineering</i> , 2020, 204, 106827.	1.9	14
15	Modeling the initiation of sediment motion under a wide range of flow conditions using a Geno-Mamdani Fuzzy Inference System method. <i>International Journal of Sediment Research</i> , 2020, 35, 467-483.	1.8	4
16	Estimation of Water Column Surface Displacement of a Fixed Oscillating Water Column by Simple Mechanical Model with Determination of Hydrodynamic Parameters via Physical Experimental Model. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2020, 146, .	0.5	3
17	Spatio-temporal evaluation of various global circulation models in terms of projection of different meteorological drought indices. <i>Environmental Earth Sciences</i> , 2020, 79, 1.	1.3	6
18	A novel approach for the prediction of the incipient motion of sediments under smooth, transitional and rough flow conditions using Geno-Fuzzy Inference System model. <i>Journal of Hydrology</i> , 2019, 577, 123952.	2.3	11

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19	Performance comparison of continuous Wavelet-Fuzzy and discrete Wavelet-Fuzzy models for water level predictions at northern and southern boundary of Bosphorus. <i>Ocean Engineering</i> , 2019, 186, 106097.	1.9	26
20	Experimental investigations on the performance of a fixed-oscillating water column type wave energy converter. <i>Energy</i> , 2019, 188, 116071.	4.5	24
21	Modeling the effect of urbanization on flood risk in Ayamama Watershed, Istanbul, Turkey, using the MIKE 21 FM model. <i>Natural Hazards</i> , 2019, 99, 1031-1047.	1.6	43
22	Optimized Numerical Model Based Assessment of Wave Power Potential of Marmara Sea. <i>Journal of Ocean University of China</i> , 2019, 18, 293-304.	0.6	5
23	Predicting Water Level Fluctuations in Lake Van Using Hybrid Season-Neuro Approach. <i>Journal of Hydrologic Engineering - ASCE</i> , 2019, 24, .	0.8	24
24	Trend Analyses of Extreme Precipitation Indices Based on Downscaled Outputs of Global Circulation Models in Western Black Sea Basin, Turkey. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2019, 43, 821-834.	1.0	10
25	Frequency analyses of extreme precipitation events in Western Black Sea Basin (Turkey) based on climate change projections. <i>Meteorological Applications</i> , 2019, 26, 468.	0.9	3
26	Impacts of climate change on the trends of extreme rainfall indices and values of maximum precipitation at Olimpiyat Station, Istanbul, Turkey. <i>Theoretical and Applied Climatology</i> , 2019, 135, 1501-1515.	1.3	18
27	Monthly water demand prediction using wavelet transform, first-order differencing and linear detrending techniques based on multilayer perceptron models. <i>Urban Water Journal</i> , 2018, 15, 177-181.	1.0	21
28	Experimental and analytical investigation on chamber water surface fluctuations and motion behaviours of water column type wave energy converter. <i>Ocean Engineering</i> , 2018, 150, 209-220.	1.9	23
29	Investigation Anthropogenic Impacts and Climate Factors on Drying up of Urmia Lake using Water Budget and Drought Analysis. <i>Water Resources Management</i> , 2018, 32, 325-337.	1.9	90
30	Long-Term Macro-Scale Assessment of Wave Power of Black Sea by an Optimized Numerical Model. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2018, 42, 391-414.	1.0	2
31	Discussion of "Deducing a Drain Spacing Formula by Applying Dimensional Analysis and Self-Similarity Theory" by Vito Ferro. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2017, 143, 07017005.	0.6	0
32	Monthly Water Consumption Prediction Using Season Algorithm and Wavelet Transform-Based Models. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2017, 143, .	1.3	44
33	Modeling the Effects of Project Canal Istanbul on the Urban Extent and Hydrological Response of Ayamama Watershed, Istanbul. , 2017, , .		1
34	Comparison of numerical and experimental analyses for optimizing the geometry of OWC systems. <i>Ocean Engineering</i> , 2017, 130, 10-24.	1.9	69
35	Modeling Urbanization of Istanbul under Different Scenarios Using SLEUTH Urban Growth Model. <i>Journal of the Urban Planning and Development Division, ASCE</i> , 2017, 143, .	0.8	13
36	Assessing the Hydrological Response of Ayamama Watershed from Urbanization Predicted under Various Landuse Policy Scenarios. <i>Water Resources Management</i> , 2016, 30, 3427-3441.	1.9	17

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37	Neuro-fuzzy models for prediction of breach formation time of embankment dams. Journal of Intelligent and Fuzzy Systems, 2016, 31, 1929-1940.	0.8	2
38	Prediction of longitudinal dispersion coefficient in natural streams by prediction map. Journal of Hydro-Environment Research, 2016, 12, 105-116.	1.0	9
39	Comparison of Discrete and Continuous Wavelet-Multilayer Perceptron Methods for Daily Precipitation Prediction. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	0.8	24
40	OWC-Type Wave Chamber Optimization Under Series of Regular Waves. Arabian Journal for Science and Engineering, 2016, 41, 1543-1549.	1.1	8
41	Performance Comparison of SAS-Multilayer Perceptron and Wavelet-Multilayer Perceptron Models in Terms of Daily Streamflow Prediction. Journal of Hydrologic Engineering - ASCE, 2016, 21, 04015051.	0.8	5
42	Prediction of significant wave height using spatial function. Ocean Engineering, 2015, 106, 220-226.	1.9	12
43	Prediction of daily rainfall by a hybrid wavelet-season-neuro technique. Journal of Hydrology, 2015, 529, 287-301.	2.3	57
44	Fuzzy logic-based attenuation relationships of strong motion earthquake records. Expert Systems With Applications, 2015, 42, 1287-1297.	4.4	25
45	Fuzzy-logic based inelastic displacement ratios of degrading RC structures. Engineering Structures, 2014, 75, 590-603.	2.6	17
46	Predicting Water Level Fluctuations in Lake Michigan-Huron Using Wavelet-Expert System Methods. Water Resources Management, 2014, 28, 2293-2314.	1.9	37
47	Extended wave power formulation by perturbation theory and its applications. Ocean Engineering, 2014, 88, 46-54.	1.9	4
48	Prediction of significant wave height using geno-multilayer perceptron. Ocean Engineering, 2013, 58, 144-153.	1.9	34
49	Wind Velocity Vertical Extrapolation by Extended Power Law. Advances in Meteorology, 2012, 2012, 1-6.	0.6	33
50	Fuzzy Logic-Based Attenuation Relationships of Strong Motion Earthquake Records. , 2012, , .		0
51	Comparative Case Study of Rainfall-Runoff Modeling between SWMM and Fuzzy Logic Approach. Journal of Hydrologic Engineering - ASCE, 2012, 17, 283-291.	0.8	69
52	Theoretical derivation of wind power probability distribution function and applications. Applied Energy, 2012, 92, 809-814.	5.1	57
53	Estimation of significant wave height in shallow lakes using the expert system techniques. Expert Systems With Applications, 2012, 39, 2549-2559.	4.4	22
54	Prediction of temperature variation within a snowpack in open areas and under different canopy covers. Hydrological Processes, 2012, 26, 4015-4028.	1.1	1

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55	A comparative study of hydrodynamic model and expert system related models for prediction of total suspended solids concentrations in Apalachicola Bay. Journal of Hydrology, 2011, 400, 353-363.	2.3	5
56	Steady state flow with hydraulic conductivity change around large diameter wells. Hydrological Processes, 2011, 25, 1778-1783.	1.1	6
57	A predictive tool by fuzzy logic for outcome of patients with intracranial aneurysm. Expert Systems With Applications, 2010, 37, 1043-1049.	4.4	11
58	Triple diagram models for prediction of suspended solid concentration in Lake Okeechobee, Florida. Journal of Hydrology, 2010, 387, 165-175.	2.3	7
59	A predictive model for well loss using fuzzy logic approach. Hydrological Processes, 2010, 24, 2400-2404.	1.1	21
60	Prediction of specific permeate flux during crossflow microfiltration of polydispersed colloidal suspensions by fuzzy logic models. Desalination, 2010, 253, 188-194.	4.0	26
61	Suspended sediment concentration prediction by Geno-Kalman filtering. Expert Systems With Applications, 2010, 37, 8583-8589.	4.4	8
62	Streamflow estimation using optimal regional dependency function. Hydrological Processes, 2009, 23, 3525-3533.	1.1	5
63	Contour diagram fuzzy model for maximum surface ozone prediction. Expert Systems With Applications, 2009, 36, 6389-6402.	4.4	3
64	Fuzzy system modelling of drinking water consumption prediction. Expert Systems With Applications, 2009, 36, 11745-11752.	4.4	25
65	Sediment load prediction by genetic algorithms. Advances in Engineering Software, 2009, 40, 928-934.	1.8	61
66	A predictive model for reach morphology classification in mountain streams using multilayer perceptron methods. Water Resources Research, 2009, 45, .	1.7	17
67	Adaptive estimation of wave parameters by Geno-Kalman filtering. Ocean Engineering, 2008, 35, 1245-1251.	1.9	20
68	Estimation of streamflow by slope regional dependency function. Hydrology and Earth System Sciences, 2008, 12, 1121-1127.	1.9	4
69	Steady-state groundwater flow model with variable hydraulic conductivity. Hydrological Sciences Journal, 2007, 52, 221-229.	1.2	6
70	Discussion of Estimation of wave spectral shapes using ANN by Naithani R and Deo MC. Advances in Engineering Software, 2007, 38, 68.	1.8	0
71	Forecasting Surface Water Level Fluctuations of Lake Van by Artificial Neural Networks. Water Resources Management, 2007, 21, 399-408.	1.9	145
72	Fuzzy logic model of lake water level fluctuations in Lake Van, Turkey. Theoretical and Applied Climatology, 2007, 90, 227-233.	1.3	52

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73	Space-time Interpolation by Combining Air Pollution and Meteorologic Variables. Pure and Applied Geophysics, 2006, 163, 1435-1451.	0.8	8
74	A comparative fuzzy logic approach to runoff coefficient and runoff estimation. Hydrological Processes, 2006, 20, 1993-2009.	1.1	68
75	Fuzzy Logic Model for Equilibrium Scour Downstream of a Dam's Vertical Gate. Journal of Hydraulic Engineering, 2006, 132, 1069-1075.	0.7	29
76	Significant wave height prediction by using a spatial model. Ocean Engineering, 2005, 32, 924-936.	1.9	22
77	Fuzzy logic modeling of the dissolved oxygen fluctuations in Golden Horn. Ecological Modelling, 2005, 189, 436-446.	1.2	64
78	Water Consumption Prediction of Istanbul City by Using Fuzzy Logic Approach. Water Resources Management, 2005, 19, 641-654.	1.9	109
79	Spatial Significant Wave Height Variation Assessment and Its Estimation. Journal of Waterway, Port, Coastal and Ocean Engineering, 2005, 131, 277-282.	0.5	10
80	Regional Streamflow Estimation by Standard Regional Dependence Function Approach. Journal of Hydraulic Engineering, 2005, 131, 1001-1006.	0.7	11
81	Autorun Persistence of the Great Salt Lake Water Level Fluctuations. , 2004, , 1.		0
82	Fuzzy awakening in rainfall-runoff modeling. Hydrology Research, 2004, 35, 31-43.	1.1	47
83	Sediment Concentration and Its Prediction by Perceptron Kalman Filtering Procedure. Journal of Hydraulic Engineering, 2004, 130, 816-826.	0.7	28
84	El Niño Southern Oscillation (ENSO) Templates and Streamflow Prediction. Journal of Hydrologic Engineering - ASCE, 2004, 9, 368-374.	0.8	13
85	VARIABLE DISCHARGE TYPE CURVE SOLUTIONS FOR CONFINED AQUIFERS. Journal of the American Water Resources Association, 2004, 40, 1189-1196.	1.0	23
86	Statistical investigation of expected wave energy and its reliability. Energy Conversion and Management, 2004, 45, 2173-2185.	4.4	23
87	Temporal significant wave height estimation from wind speed by perceptron Kalman filtering. Ocean Engineering, 2004, 31, 1245-1255.	1.9	50
88	Stochastic wave energy calculation formulation. Renewable Energy, 2004, 29, 1747-1756.	4.3	13
89	INCREASING WATER SUPPLY BY MIXING OF FRESH AND SALINE GROUND WATERS. Journal of the American Water Resources Association, 2003, 39, 1209-1215.	1.0	6
90	Autorun Persistence of Hydrologic Design. Journal of Hydrologic Engineering - ASCE, 2003, 8, 329-338.	0.8	28

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91	Triple diagram model of level fluctuations in Lake Van, Turkey. Hydrology and Earth System Sciences, 2003, 7, 235-244.	1.9	38
92	Discussion of "Development of Exceedance Probability Streamflow Forecast" by Thomas C. Piechota, Francis H. S. Chiew, John A. Dracup, and Thomas A. McMahon. Journal of Hydrologic Engineering - ASCE, 2002, 7, 265-267.	0.8	1
93	DALGACIK K-EN YAKIN KOMUTLULUK YANTEMÄ° Ä°LE HAVA KÄ°RLÄ°LÄ°Äž° TAHMÄ°NÄ°. UludaÄ° University Journal of the Faculty of Engineering, 0, , 1547-1556.	0.2	6