

Zekâci Âen

List of Publications by Year in descending order

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Version: 2024-02-01

115
papers

3,192
citations

218381

26
h-index

174990

52
g-index

117
all docs

117
docs citations

117
times ranked

2119
citing authors

#	ARTICLE	IF	CITATIONS
1	Wet and dry period identification method through serial correlation decomposition. Hydrological Sciences Journal, 2022, 67, 129-136.	1.2	0
2	Crossing empirical trend analysis (CETA) at risk levels in hydro-meteorological time series. Theoretical and Applied Climatology, 2022, 148, 145-163.	1.3	2
3	Probable maximum precipitation (PMP) and flood (PMF) risk charts in Hodna basin, Algeria. Meteorology and Atmospheric Physics, 2022, 134, 1.	0.9	1
4	Peak flow assessment of El-Ham wadi in Hodna basin case study. Arabian Journal of Geosciences, 2022, 15, 1.	0.6	4
5	Model efficiency performance assessment through a standard triangular diagram (STD). Modeling Earth Systems and Environment, 2021, 7, 1193-1205.	1.9	1
6	Jump point identification in hydro-meteorological time series by crossing methodology. Theoretical and Applied Climatology, 2021, 144, 769-777.	1.3	3
7	Climate change impacts on sea surface temperature (SST) trend around Turkey seashores. Acta Geophysica, 2021, 69, 295-305.	1.0	15
8	Conceptual monthly trend polygon methodology and climate change assessments. Hydrological Sciences Journal, 2021, 66, 503-512.	1.2	16
9	Climate change impact on rainfall in north-eastern Algeria using innovative trend analyses (ITA). Arabian Journal of Geosciences, 2021, 14, 1.	0.6	11
10	Wind quality designation concept and application. International Journal of Energy Research, 2021, 45, 18194-18200.	2.2	2
11	Reservoirs for Water Supply Under Climate Change Impact – A Review. Water Resources Management, 2021, 35, 3827-3843.	1.9	20
12	Actual Precipitation Index (API) for Drought Classification. Earth Systems and Environment, 2021, 5, 59-70.	3.0	18
13	General modeling of karst spring hydrographs and development of a dimensionless karstic hydrograph concept. Hydrogeology Journal, 2020, 28, 549-559.	0.9	5
14	Wet and dry spell feature charts for practical uses. Natural Hazards, 2020, 104, 1975-1986.	1.6	6
15	Water Structures and Climate Change Impact: a Review. Water Resources Management, 2020, 34, 4197-4216.	1.9	24
16	Trend Analyses Methodologies in Hydro-meteorological Records. Earth Systems and Environment, 2020, 4, 713-738.	3.0	35
17	Smart Home Innovative Heat Test Analysis for Heat Storage and Conductivity Coefficients. Sustainability, 2020, 12, 1414.	1.6	1
18	Temperature and Precipitation Risk Assessment Under Climate Change Effect in Northeast Algeria. Earth Systems and Environment, 2020, 4, 1-14.	3.0	23

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19	Groundwater Recharge Level Estimation from Rainfall Record Probability Match Methodology. Earth Systems and Environment, 2019, 3, 603-612.	3.0	7
20	Annual Daily Maximum Rainfall-Based IDF Curve Derivation Methodology. Earth Systems and Environment, 2019, 3, 463-469.	3.0	5
21	Innovative methodologies in renewable energy: A review. International Journal of Energy Research, 2019, 43, 5621-5658.	2.2	17
22	Climate change expectations in the upper Tigris River basin, Turkey. Theoretical and Applied Climatology, 2019, 137, 1569-1585.	1.3	12
23	Crossing trend analysis methodology and application for Turkish rainfall records. Theoretical and Applied Climatology, 2018, 131, 285-293.	1.3	20
24	Precipitation projections under GCMs perspective and Turkish Water Foundation (TWF) statistical downscaling model procedures. Theoretical and Applied Climatology, 2018, 132, 153-166.	1.3	19
25	3.7 Hydro Energy Production. , 2018, , 304-334.		4
26	4.12 Hydropower Conversion. , 2018, , 545-572.		5
27	Innovative Trend Methodology Applications to Precipitation Records in Turkey. Water Resources Management, 2017, 31, 727-737.	1.9	84
28	Trend Analyses Revision and Global Monthly Temperature Innovative Multi-Duration Analysis. Earth Systems and Environment, 2017, 1, 1.	3.0	78
29	Aridity and Risk Calculations in Saudi Arabian Wadis: Wadi Fatimah Case. Earth Systems and Environment, 2017, 1, 1.	3.0	23
30	Engineering risk assessment on water structures under climate change effects. Arabian Journal of Geosciences, 2017, 10, 1.	0.6	6
31	Hydrological trend analysis with innovative and over-whitening procedures. Hydrological Sciences Journal, 2017, 62, 294-305.	1.2	55
32	Probabilistic innovative solar irradiation estimation. International Journal of Energy Research, 2017, 41, 229-239.	2.2	7
33	Algerian rainfall innovative trend analysis and its implications to Macta watershed. Arabian Journal of Geosciences, 2016, 9, 1.	0.6	50
34	Trend Assessment by the Innovative-Āžen Method. Water Resources Management, 2016, 30, 5193-5203.	1.9	138
35	Hydroelectric Energy Potential of Turkey: A Refined Calculation Method. Arabian Journal for Science and Engineering, 2016, 41, 1511-1520.	1.1	13
36	Spatiotemporal modeling and simulation of chernobyl radioactive fallout in northern Turkey. Journal of Radioanalytical and Nuclear Chemistry, 2015, 303, 171-186.	0.7	4

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37	HARmonicâ€“LINEar (HarLin) model for solar irradiation estimation. Renewable Energy, 2015, 81, 209-218.	4.3	13
38	Regional Wet and Dry Spell Analysis with Heterogeneous Probability Occurrences. Journal of Hydrologic Engineering - ASCE, 2015, 20, 04014094.	0.8	4
39	Hydrogeological parameter estimations by partial type curve matching methodology. Arabian Journal of Geosciences, 2015, 8, 565-578.	0.6	3
40	Hydraulic Conductivity Variation in a Confined Aquifer. Journal of Hydrologic Engineering - ASCE, 2014, 19, 654-658.	0.8	5
41	Rock quality designation-fracture intensity index method for geomechanical classification. Arabian Journal of Geosciences, 2014, 7, 2915-2922.	0.6	15
42	Sediment yield estimation formulations for arid regions. Arabian Journal of Geosciences, 2014, 7, 1627-1636.	0.6	6
43	Dimensionless straight line fitting method for hydrogeological parameter determination. Arabian Journal of Geosciences, 2014, 7, 819-825.	0.6	1
44	On the Correction of Spatial and Statistical Uncertainties in Systematic Measurements of ²²² Rn for Earthquake Prediction. Surveys in Geophysics, 2014, 35, 449-478.	2.1	29
45	Trend Identification Simulation and Application. Journal of Hydrologic Engineering - ASCE, 2014, 19, 635-642.	0.8	243
46	Modified wind power formulation and its comparison with Betz limits. International Journal of Energy Research, 2013, 37, 959-963.	2.2	6
47	Strategic groundwater resources planning in arid regions. Arabian Journal of Geosciences, 2013, 6, 4363-4375.	0.6	4
48	Flash flood inundation map preparation for wadis in arid regions. Arabian Journal of Geosciences, 2013, 6, 3563-3572.	0.6	19
49	Theoretical derivation of precipitation coverage probability from a set of heterogeneous point probabilities. Theoretical and Applied Climatology, 2013, 114, 575-581.	1.3	2
50	Wind power variations under humid and arid meteorological conditions. Energy Conversion and Management, 2013, 75, 517-522.	4.4	10
51	Climate change impact and runoff harvesting in arid regions. Arabian Journal of Geosciences, 2013, 6, 287-295.	0.6	46
52	Temporal and Spatially Heterogeneous Finite Length Runs Analysis. Mathematical and Computational Applications, 2013, 18, 221-243.	0.7	0
53	Quadrangle Downscaling of Global Climate Models and Application to Riyadh. Journal of Irrigation and Drainage Engineering - ASCE, 2012, 138, 918-923.	0.6	7
54	Groundwater Risk Management Assessment in Arid Regions. Water Resources Management, 2012, 26, 4509-4524.	1.9	4

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55	Innovative Trend Analysis Methodology. Journal of Hydrologic Engineering - ASCE, 2012, 17, 1042-1046.	0.8	598
56	Energy generation possibility from ocean currents: Bosphorus, Istanbul. Ocean Engineering, 2012, 50, 31-37.	1.9	8
57	Groundwater Quality Variation Assessment Indices. Water Quality, Exposure, and Health, 2011, 3, 127-133.	1.5	2
58	Standard Ion Index for Groundwater Quality Evolution. Water Quality, Exposure, and Health, 2011, 3, 193-202.	1.5	1
59	Discussion of "New Methods for Aquifer Parameters from Slug Test Data" by Sushil K. Singh. Journal of Irrigation and Drainage Engineering - ASCE, 2011, 137, 465-466.	0.6	0
60	Discussion of "Diagnostic Curve for Confined Aquifer Parameters from Early Drawdowns" by Sushil K. Singh. Journal of Irrigation and Drainage Engineering - ASCE, 2010, 136, 154-154.	0.6	0
61	Discussion of "Improvement of Regression Simulation in Fluvial Sediment Loads" by P. Wang and L. C. Linker. Journal of Hydraulic Engineering, 2010, 136, 191-192.	0.7	1
62	Coalition possibility of riparian countries via game theory and fuzzy logic models. Water Resources Research, 2010, 46, .	1.7	20
63	Discussion of "Validity of Regional Rainfall Spatial Distribution Methods in Mountainous Areas" by Bahram Saghafian and Sima Rahimi Bondarabadi. Journal of Hydrologic Engineering - ASCE, 2009, 14, 770-771.	0.8	1
64	Discussion of "Simulating the Well Function for Large-Diameter Wells Using MODFLOW" by Sushil K. Singh. Journal of Irrigation and Drainage Engineering - ASCE, 2009, 135, 516-516.	0.6	0
65	Discussion of "Aquifer Parameters from Drawdowns in Large-Diameter Wells: Unsteady Pumping" by Sushil K. Singh. Journal of Hydrologic Engineering - ASCE, 2009, 14, 1041-1041.	0.8	1
66	Discussion of "Applicability of Rice's Formula in Stochastic Hydrological Modeling" by Yi Li and Barbara J. Lence. Journal of Hydrologic Engineering - ASCE, 2009, 14, 1044-1044.	0.8	0
67	Discussion of "Estimating Storage Coefficient and Transmissivity from Slug Test Data" by Prabhata K. Swamee and Sushil K. Singh. Journal of Irrigation and Drainage Engineering - ASCE, 2009, 135, 125-125.	0.6	0
68	Prediction of tool wear using regression and ANN models in end-milling operation a critical review. International Journal of Advanced Manufacturing Technology, 2009, 43, 765-766.	1.5	9
69	Global warming threat on water resources and environment: a review. Environmental Geology, 2009, 57, 321-329.	1.2	33
70	Spatial Modeling Principles in Earth Sciences. , 2009, , .		45
71	Fuzzy Groundwater Classification Rule Derivation from Quality Maps. Water Quality, Exposure, and Health, 2009, 1, 115-122.	1.5	11
72	Cesium Concentration Spatial Distribution Modeling by Point Cumulative Semivariogram. Water, Air, and Soil Pollution, 2008, 195, 151-160.	1.1	11

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73	Comments on "A comparative study of ANN and neuro-fuzzy for the prediction of dynamic constant of rockmass". Journal of Earth System Science, 2008, 117, 973-974.	0.6	0
74	Modified hydrograph method for arid regions. Hydrological Processes, 2008, 22, 356-365.	1.1	15
75	Aquifer heterogeneity determination through the slope method. Hydrological Processes, 2008, 22, 1788-1795.	1.1	11
76	Discussion on "Wavelet-neuro-fuzzy Combined Approach for Digital Relaying of Transmission Line Faults". Electric Power Components and Systems, 2008, 36, 1388-1389.	1.0	1
77	Discussion of "Approximation of Well Function for Large Diameter Wells" by Sushil K. Singh. Journal of Irrigation and Drainage Engineering - ASCE, 2008, 134, 543-543.	0.6	2
78	Hydrograph and unit hydrograph derivation in arid regions. Hydrological Processes, 2007, 21, 1006-1014.	1.1	6
79	Simple nonlinear solar irradiation estimation model. Renewable Energy, 2007, 32, 342-350.	4.3	53
80	Horizontal rough fracture type curves for groundwater movement. Hydrological Sciences Journal, 2006, 51, 1125-1138.	1.2	0
81	A comparative fuzzy logic approach to runoff coefficient and runoff estimation. Hydrological Processes, 2006, 20, 1993-2009.	1.1	68
82	River suspended sediment modelling using a fuzzy logic approach. Hydrological Processes, 2006, 20, 4351-4362.	1.1	73
83	Reply to comment on "a comparative fuzzy logic approach to runoff coefficient and runoff estimation" by Tommy S. W. Wong. Hydrological Processes, 2006, 20, 3991-3991.	1.1	1
84	Authorun Persistence of Hydrologic Design. Journal of Hydrologic Engineering - ASCE, 2003, 8, 329-338.	0.8	28
85	Spatio-temporal drought analysis in the Trakya region, Turkey. Hydrological Sciences Journal, 2003, 48, 809-820.	1.2	95
86	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
87	Hydrological considerations for dam siting in arid regions: a Saudi Arabian study. Hydrological Sciences Journal, 2002, 47, 173-186.	1.2	37
88	Probabilistic Horizontal Stress Ratios in Rock. Mathematical Geosciences, 2002, 34, 845-855.	0.9	8
89	Monthly spatial rainfall correlation functions and interpretations for Turkey. Hydrological Sciences Journal, 2001, 46, 525-535.	1.2	20
90	Monthly precipitation-runoff polygons and mean runoff coefficients. Hydrological Sciences Journal, 2001, 46, 3-11.	1.2	32

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91	AngstrÄŦm equation parameter estimation by unrestricted method. Solar Energy, 2001, 71, 95-107.	2.9	44
92	Assessment of regional air pollution variability in Istanbul. Environmetrics, 2001, 12, 401-420.	0.6	6
93	Seismic Hazard Assessment in the Tihamat Asir Region, Southwestern Saudi Arabia. Mathematical Geosciences, 2001, 33, 967-991.	0.9	5
94	Monthly clearness index values of Turkey by harmonic analysis approach. Energy Conversion and Management, 2001, 42, 933-940.	4.4	19
95	Genetic algorithms for the classification and prediction of precipitation occurrence. Hydrological Sciences Journal, 2001, 46, 255-267.	1.2	45
96	Rock Quality Designation Model Formulation and Simulation for Correlated Fracture Intact Lengths. Mathematical Geosciences, 2000, 32, 985-999.	0.9	2
97	Spatial Precipitation Assessment with Elevation by Using Point Cumulative Semivariogram Technique. Water Resources Management, 2000, 14, 311-325.	1.9	22
98	Simple Daily Dynamic Adaptive Operation Rules for WaterResources Optimization. Water Resources Management, 2000, 14, 349-368.	1.9	6
99	Non-Darcian groundwater flow in leaky aquifers. Hydrological Sciences Journal, 2000, 45, 595-606.	1.2	22
100	Statistical analysis of the AngstrÄŦm formula coefficients and application for Turkey. Solar Energy, 1998, 62, 29-38.	2.9	53
101	Fuzzy algorithm for estimation of solar irradiation from sunshine duration. Solar Energy, 1998, 63, 39-49.	2.9	196
102	Statistical investigation of wind energy reliability and its application. Renewable Energy, 1997, 10, 71-79.	4.3	39
103	Determination of Hydraulic Conductivity from Complete Grain-Size Distribution Curves. Ground Water, 1993, 31, 551-555.	0.7	208
104	Drawdown distribution around a large diameter well with nonlinear groundwater flow. Journal of Environmental Science and Health Part A: Environmental Science and Engineering, 1992, 27, 1817-1833.	0.1	0
105	Standard cumulative semivariograms of stationary stochastic processes and regional correlation. Mathematical Geosciences, 1992, 24, 417-435.	0.9	20
106	Unsteady Ground-Water Flow Toward Extended Wells. Ground Water, 1992, 30, 61-67.	0.7	7
107	Straight-Line Intercept Method in Aquifer Volume Calculations. Ground Water, 1992, 30, 569-573.	0.7	1
108	Dimensionless Time-Drawdown Plots of Late Aquifer Test Data. Ground Water, 1988, 26, 615-618.	0.7	21

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109	Determination of Aquifer Parameters by the Slope-Matching Method. Ground Water, 1986, 24, 217-223.	0.7	46
110	Aquifer Test Analysis in Fractured Rocks with Linear Flow Pattern. Ground Water, 1986, 24, 72-78.	0.7	37
111	Autorun analysis of sedimentary porous materials. Journal of the International Association for Mathematical Geology, 1984, 16, 449-463.	0.7	5
112	Type Curves for Large-Diameter Wells Near Barriers. Ground Water, 1982, 20, 274-277.	0.7	22
113	The numerical calculation of extreme wet and dry periods in hydrological time series / MĂ©thode numĂ©rique d'Ă©valuer les pĂ©riodes extrĂ©mes de dessĂ©chement et de sĂ©cheresse dans une sĂ©rie de temps hydrologique. Hydrological Sciences Bulletin Des Sciences Hydrologiques, 1980, 25, 135-142.	0.2	9
114	A mathematical model of monthly flow sequences / Un modĂ©le mathĂ©matique des sĂ©quences d'Ă©bits mensuels. Hydrological Sciences Bulletin Des Sciences Hydrologiques, 1978, 23, 223-229.	0.2	10
115	Hydroelectric energy potential classification via hypsographical curve concept. International Journal of Energy Research, 0, , .	2.2	1