

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
19	AngstrĀm equation parameter estimation by unrestricted method. Solar Energy, 2001, 71, 95-107.	2.9	44
20	Statistical investigation of wind energy reliability and its application. Renewable Energy, 1997, 10, 71-79.	4.3	39
21	Aquifer Test Analysis in Fractured Rocks with Linear Flow Pattern. Ground Water, 1986, 24, 72-78.	0.7	37
22	Hydrological considerations for dam siting in arid regions: a Saudi Arabian study. Hydrological Sciences Journal, 2002, 47, 173-186.	1.2	37
23	Trend Analyses Methodologies in Hydro-meteorological Records. Earth Systems and Environment, 2020, 4, 713-738.	3.0	35
24	Global warming threat on water resources and environment: a review. Environmental Geology, 2009, 57, 321-329.	1.2	33
25	Monthly precipitation-runoff polygons and mean runoff coefficients. Hydrological Sciences Journal, 2001, 46, 3-11.	1.2	32
26	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
27	Autorun Persistence of Hydrologic Design. Journal of Hydrologic Engineering - ASCE, 2003, 8, 329-338.	0.8	28
28	Water Structures and Climate Change Impact: a Review. Water Resources Management, 2020, 34, 4197-4216.	1.9	24
29	Aridity and Risk Calculations in Saudi Arabian Wadis: Wadi Fatimah Case. Earth Systems and Environment, 2017, 1, 1.	3.0	23
30	Temperature and Precipitation Risk Assessment Under Climate Change Effect in Northeast Algeria. Earth Systems and Environment, 2020, 4, 1-14.	3.0	23
31	Type Curves for Large-Diameter Wells Near Barriers. Ground Water, 1982, 20, 274-277.	0.7	22
32	Spatial Precipitation Assessment with Elevation by Using Point Cumulative Semivariogram Technique. Water Resources Management, 2000, 14, 311-325.	1.9	22
33	Non-Darcian groundwater flow in leaky aquifers. Hydrological Sciences Journal, 2000, 45, 595-606.	1.2	22
34	Dimensionless Time-Drawdown Plots of Late Aquifer Test Data. Ground Water, 1988, 26, 615-618.	0.7	21
35	Standard cumulative semivariograms of stationary stochastic processes and regional correlation. Mathematical Geosciences, 1992, 24, 417-435.	0.9	20
36	Monthly spatial rainfall correlation functions and interpretations for Turkey. Hydrological Sciences Journal, 2001, 46, 525-535.	1.2	20

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37	Coalition possibility of riparian countries via game theory and fuzzy logic models. <i>Water Resources Research</i> , 2010, 46, .	1.7	20
38	Crossing trend analysis methodology and application for Turkish rainfall records. <i>Theoretical and Applied Climatology</i> , 2018, 131, 285-293.	1.3	20
39	Reservoirs for Water Supply Under Climate Change Impactâ€™A Review. <i>Water Resources Management</i> , 2021, 35, 3827-3843.	1.9	20
40	Monthly clearness index values of Turkey by harmonic analysis approach. <i>Energy Conversion and Management</i> , 2001, 42, 933-940.	4.4	19
41	Flash flood inundation map preparation for wadis in arid regions. <i>Arabian Journal of Geosciences</i> , 2013, 6, 3563-3572.	0.6	19
42	Precipitation projections under GCMs perspective and Turkish Water Foundation (TWF) statistical downscaling model procedures. <i>Theoretical and Applied Climatology</i> , 2018, 132, 153-166.	1.3	19
43	Actual Precipitation Index (API) for Drought Classification. <i>Earth Systems and Environment</i> , 2021, 5, 59-70.	3.0	18
44	Innovative methodologies in renewable energy: A review. <i>International Journal of Energy Research</i> , 2019, 43, 5621-5658.	2.2	17
45	Conceptual monthly trend polygon methodology and climate change assessments. <i>Hydrological Sciences Journal</i> , 2021, 66, 503-512.	1.2	16
46	Modified hydrograph method for arid regions. <i>Hydrological Processes</i> , 2008, 22, 356-365.	1.1	15
47	Rock quality designation-fracture intensity index method for geomechanical classification. <i>Arabian Journal of Geosciences</i> , 2014, 7, 2915-2922.	0.6	15
48	Climate change impacts on sea surface temperature (SST) trend around Turkey seashores. <i>Acta Geophysica</i> , 2021, 69, 295-305.	1.0	15
49	HARmonicâ€™LINear (HarLin) model for solar irradiation estimation. <i>Renewable Energy</i> , 2015, 81, 209-218.	4.3	13
50	Hydroelectric Energy Potential of Turkey: A Refined Calculation Method. <i>Arabian Journal for Science and Engineering</i> , 2016, 41, 1511-1520.	1.1	13
51	Climate change expectations in the upper Tigris River basin, Turkey. <i>Theoretical and Applied Climatology</i> , 2019, 137, 1569-1585.	1.3	12
52	Cesium Concentration Spatial Distribution Modeling by Point Cumulative Semivariogram. <i>Water, Air, and Soil Pollution</i> , 2008, 195, 151-160.	1.1	11
53	Aquifer heterogeneity determination through the slope method. <i>Hydrological Processes</i> , 2008, 22, 1788-1795.	1.1	11
54	Fuzzy Groundwater Classification Rule Derivation from Quality Maps. <i>Water Quality, Exposure, and Health</i> , 2009, 1, 115-122.	1.5	11

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55	Climate change impact on rainfall in north-eastern Algeria using innovative trend analyses (ITA). Arabian Journal of Geosciences, 2021, 14, 1.	0.6	11
56	A mathematical model of monthly flow sequences / Un modĀle mathĀmatique des sĀquences dĀbits mensuels. Hydrological Sciences Bulletin Des Sciences Hydrologiques, 1978, 23, 223-229.	0.2	10
57	Wind power variations under humid and arid meteorological conditions. Energy Conversion and Management, 2013, 75, 517-522.	4.4	10
58	The numerical calculation of extreme wet and dry periods in hydrological time series / MĀthode numĀrique d'Āvaluer les pĀriodes extrĀmes de dessĀchement et de sĀcheresse dans une sĀrie de temps hydrologique. Hydrological Sciences Bulletin Des Sciences Hydrologiques, 1980, 25, 135-142.	0.2	9
59	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
60	Probabilistic Horizontal Stress Ratios in Rock. Mathematical Geosciences, 2002, 34, 845-855.	0.9	8
61	Energy generation possibility from ocean currents: Bosphorus, Istanbul. Ocean Engineering, 2012, 50, 31-37.	1.9	8
62	Unsteady Ground-Water Flow Toward Extended Wells. Ground Water, 1992, 30, 61-67.	0.7	7
63	Quadrangle Downscaling of Global Climate Models and Application to Riyadh. Journal of Irrigation and Drainage Engineering - ASCE, 2012, 138, 918-923.	0.6	7
64	Probabilistic innovative solar irradiation estimation. International Journal of Energy Research, 2017, 41, 229-239.	2.2	7
65	Groundwater Recharge Level Estimation from Rainfall Record Probability Match Methodology. Earth Systems and Environment, 2019, 3, 603-612.	3.0	7
66	Simple Daily Dynamic Adaptive Operation Rules for WaterResources Optimization. Water Resources Management, 2000, 14, 349-368.	1.9	6
67	Assessment of regional air pollution variability in Istanbul. Environmetrics, 2001, 12, 401-420.	0.6	6
68	Hydrograph and unit hydrograph derivation in arid regions. Hydrological Processes, 2007, 21, 1006-1014.	1.1	6
69	Modified wind power formulation and its comparison with Betz limits. International Journal of Energy Research, 2013, 37, 959-963.	2.2	6
70	Sediment yield estimation formulations for arid regions. Arabian Journal of Geosciences, 2014, 7, 1627-1636.	0.6	6
71	Engineering risk assessment on water structures under climate change effects. Arabian Journal of Geosciences, 2017, 10, 1.	0.6	6
72	Wet and dry spell feature charts for practical uses. Natural Hazards, 2020, 104, 1975-1986.	1.6	6

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73	Autorun analysis of sedimentary porous materials. Journal of the International Association for Mathematical Geology, 1984, 16, 449-463.	0.7	5
74	Seismic Hazard Assessment in the Tihamat Asir Region, Southwestern Saudi Arabia. Mathematical Geosciences, 2001, 33, 967-991.	0.9	5
75	Hydraulic Conductivity Variation in a Confined Aquifer. Journal of Hydrologic Engineering - ASCE, 2014, 19, 654-658.	0.8	5
76	4.12 Hydropower Conversion. , 2018, , 545-572.		5
77	Annual Daily Maximum Rainfall-Based IDF Curve Derivation Methodology. Earth Systems and Environment, 2019, 3, 463-469.	3.0	5
78	General modeling of karst spring hydrographs and development of a dimensionless karstic hydrograph concept. Hydrogeology Journal, 2020, 28, 549-559.	0.9	5
79	Groundwater Risk Management Assessment in Arid Regions. Water Resources Management, 2012, 26, 4509-4524.	1.9	4
80	Strategic groundwater resources planning in arid regions. Arabian Journal of Geosciences, 2013, 6, 4363-4375.	0.6	4
81	Spatiotemporal modeling and simulation of chernobyl radioactive fallout in northern Turkey. Journal of Radioanalytical and Nuclear Chemistry, 2015, 303, 171-186.	0.7	4
82	Regional Wet and Dry Spell Analysis with Heterogeneous Probability Occurrences. Journal of Hydrologic Engineering - ASCE, 2015, 20, 04014094.	0.8	4
83	3.7 Hydro Energy Production. , 2018, , 304-334.		4
84	Peak flow assessment of El-Ham wadi in Hodna basin case study. Arabian Journal of Geosciences, 2022, 15, 1.	0.6	4
85	Hydrogeological parameter estimations by partial type curve matching methodology. Arabian Journal of Geosciences, 2015, 8, 565-578.	0.6	3
86	Jump point identification in hydro-meteorological time series by crossing methodology. Theoretical and Applied Climatology, 2021, 144, 769-777.	1.3	3
87	Rock Quality Designation Model Formulation and Simulation for Correlated Fracture Intact Lengths. Mathematical Geosciences, 2000, 32, 985-999.	0.9	2
88	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
89	Groundwater Quality Variation Assessment Indices. Water Quality, Exposure, and Health, 2011, 3, 127-133.	1.5	2
90	Theoretical derivation of precipitation coverage probability from a set of heterogeneous point probabilities. Theoretical and Applied Climatology, 2013, 114, 575-581.	1.3	2

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91	Wind quality designation concept and application. International Journal of Energy Research, 2021, 45, 18194-18200.	2.2	2
92	Crossing empirical trend analysis (CETA) at risk levels in hydro-meteorological time series. Theoretical and Applied Climatology, 2022, 148, 145-163.	1.3	2
93	Straight-Line Intercept Method in Aquifer Volume Calculations. Ground Water, 1992, 30, 569-573.	0.7	1
94	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
95	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
96	Discussion on "A Wavelet-neuro-fuzzy Combined Approach for Digital Relaying of Transmission Line Faults" Electric Power Components and Systems, 2008, 36, 1388-1389.	1.0	1
97	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
98	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
99	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
100	Standard Ion Index for Groundwater Quality Evolution. Water Quality, Exposure, and Health, 2011, 3, 193-202.	1.5	1
101	Dimensionless straight line fitting method for hydrogeological parameter determination. Arabian Journal of Geosciences, 2014, 7, 819-825.	0.6	1
102	Smart Home Innovative Heat Test Analysis for Heat Storage and Conductivity Coefficients. Sustainability, 2020, 12, 1414.	1.6	1
103	Model efficiency performance assessment through a standard triangular diagram (STD). Modeling Earth Systems and Environment, 2021, 7, 1193-1205.	1.9	1
104	Probable maximum precipitation (PMP) and flood (PMF) risk charts in Hodna basin, Algeria. Meteorology and Atmospheric Physics, 2022, 134, 1.	0.9	1
105	Hydroelectric energy potential classification via hypsographical curve concept. International Journal of Energy Research, 0, , .	2.2	1
106	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
107	Horizontal rough fracture type curves for groundwater movement. Hydrological Sciences Journal, 2006, 51, 1125-1138.	1.2	0
108	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

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109	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
110	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
111	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
112	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
113	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
114	Temporal and Spatially Heterogeneous Finite Length Runs Analysis. Mathematical and Computational Applications, 2013, 18, 221-243.	0.7	0
115	Wet and dry period identification method through serial correlation decomposition. Hydrological Sciences Journal, 2022, 67, 129-136.	1.2	0