

# abdol Rassoul zarei

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38  
papers

399  
citations

12  
h-index

18  
g-index

44  
ext. papers

633  
ext. citations

2.7  
avg, IF

5.18  
L-index

| #  | Paper   | IF  | Citations |
|----|---|-----|-----------|
| 38 | Investigating the effects of climate change, drought, and agricultural sector policies on the trend of the water poverty index in Iran. <i>Journal of Water Supply: Research and Technology - AQUA</i> , <b>2022</b> , 71, 433-449                            |     | 0         |
| 37 | Accuracy Assessment of the SPEI, RDI and SPI Drought Indices in Regions of Iran with Different Climate Conditions. <i>Pure and Applied Geophysics</i> , <b>2021</b> , 178, 1387-1403  | 2.2 | 8         |
| 36 | Assessment of risk of non-cancer disease in contaminated plant ( <i>Ocimum basilicum</i> L.) and soil. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 56164-56174  | 5.1 | 1         |
| 35 | Influence of human activities on meteorological drought and its trends in Iran. <i>Arabian Journal of Geosciences</i> , <b>2021</b> , 14, 1   | 1.8 | 1         |
| 34 | Assessing the Influence of PET Calculation Method on the Characteristics of UNEP Aridity Index Under Different Climatic Conditions throughout Iran. <i>Pure and Applied Geophysics</i> , <b>2021</b> , 178, 3179-3205   | 2.2 | 1         |
| 33 | Using the Fuzzy Clustering and Principle Component Analysis for Assessing the Impact of Potential Evapotranspiration Calculation Method On the Modified RDI Index. <i>Water Resources Management</i> , <b>2021</b> , 35, 3679-3702                            | 3.7 | 2         |
| 32 | Evaluating Performance and Applicability of Several Drought Indices in Arid Regions. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , <b>2021</b> , 57, 645-661  | 2.1 | 10        |
| 31 | Optimal location of yield with the cheapest water footprint of the crop using multiple regression and artificial neural network models in GIS. <i>Theoretical and Applied Climatology</i> , <b>2021</b> , 143, 701-712  | 3   | 3         |
| 30 | Investigating of the climatic parameters effectiveness rate on barley water requirement using the random forest algorithm, Bayesian multiple linear regression and cross-correlation function. <i>Paddy and Water Environment</i> , <b>2021</b> , 19, 137-148 | 1.6 | 7         |
| 29 | Spatiotemporal investigation of drought pattern in Iran via statistical analysis and GIS technique. <i>Theoretical and Applied Climatology</i> , <b>2021</b> , 143, 1113-1128   | 3   | 0         |
| 28 | Evaluation and Comparison of the Effectiveness Rate of the Various Meteorological Parameters on UNEP Aridity Index Using Backward Multiple Ridge Regression. <i>Water Resources Management</i> , <b>2021</b> , 35, 159-177                                    | 3.7 | 5         |
| 27 | Determination of the most important meteorological parameters affecting the yield and biomass of barley and winter wheat using the random forest algorithm. <i>Paddy and Water Environment</i> , <b>2021</b> , 19, 199-216                                    | 1.6 | 3         |
| 26 | Susceptibility Assessment of Winter Wheat, Barley and Rapeseed to Drought Using Generalized Estimating Equations and Cross-Correlation Function. <i>Environmental Processes</i> , <b>2021</b> , 8, 163-197  | 2.8 | 4         |
| 25 | Sensitivity Assessment to the Occurrence of Different Types of Droughts Using GIS and AHP Techniques. <i>Water Resources Management</i> , <b>2021</b> , 35, 3593-3615   | 3.7 | 8         |
| 24 | Determining prone areas to gully erosion and the impact of land use change on it by using multiple-criteria decision-making algorithm in arid and semi-arid regions. <i>Geoderma</i> , <b>2021</b> , 403, 115379  | 6.7 | 8         |
| 23 | Evaluation of the Influence of Occurrence Time of Drought on the Annual Yield of Rain-Fed Winter Wheat Using Backward Multiple Generalized Estimation Equation. <i>Water Resources Management</i> , <b>2020</b> , 34, 2911-2931                               | 3.7 | 6         |
| 22 | Evaluation of the soil fertility for corn production ( <i>Zea Mays</i> ) using the multiple-criteria decision analysis (MCDA). <i>Modeling Earth Systems and Environment</i> , <b>2020</b> , 6, 2251-2262   | 3.2 | 3         |

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|----|--|------|----|
| 21 | Temporal and spatial assessment of groundwater contamination with nitrate by nitrate pollution index (NPI) and GIS (case study: Fasarud Plain, southern Iran). <i>Environmental Geochemistry and Health</i> , <b>2020</b> , 42, 3119-3130                | 4.7  | 15 |
| 20 | Prioritization of the effectiveness rate of various climatic variables on the annual yield of rain-fed winter wheat using different statistical models. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2020</b> , 34, 611-625         | 3.5  | 5  |
| 19 | Assessment of the effect of PET calculation method on the Standardized Precipitation Evapotranspiration Index (SPEI). <i>Arabian Journal of Geosciences</i> , <b>2020</b> , 13, 1  | 1.8  | 6  |
| 18 | Investigating the ability of periodically correlated (PC) time series models to forecast the climate index. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2020</b> , 34, 121-137   | 3.5  | 5  |
| 17 | Ability Assessment of the Stationary and Cyclostationary Time Series Models to Predict Drought Indices. <i>Water Resources Management</i> , <b>2020</b> , 34, 5009-5029  | 3.7  | 4  |
| 16 | Seasonal drought forecasting in arid regions, using different time series models and RDI index. <i>Journal of Water and Climate Change</i> , <b>2020</b> , 11, 633-654   | 2.3  | 13 |
| 15 | Comparison of the climate indices based on the relationship between yield loss of rain-fed winter wheat and changes of climate indices using GEE model. <i>Science of the Total Environment</i> , <b>2019</b> , 661, 711-722                             | 10.2 | 32 |
| 14 | Analysis of changes trend in spatial and temporal pattern of drought over south of Iran using standardized precipitation index (SPI). <i>SN Applied Sciences</i> , <b>2019</b> , 1, 1  | 1.8  | 14 |
| 13 | Modified version for SPEI to evaluate and modeling the agricultural drought severity. <i>International Journal of Biometeorology</i> , <b>2019</b> , 63, 911-925   | 3.7  | 24 |
| 12 | Comparison of reconnaissance drought index (RDI) and effective reconnaissance drought index (eRDI) to evaluate drought severity. <i>Sustainable Water Resources Management</i> , <b>2019</b> , 5, 1345-1356  | 1.9  | 12 |
| 11 | Trend analysis of evapotranspiration applying parametric and non-parametric techniques (case study: arid regions of southern Iran). <i>Sustainable Water Resources Management</i> , <b>2019</b> , 5, 1981-1994   | 1.9  | 3  |
| 10 | Evaluation of sediment yield (Qs) in Bishezard watershed located southwest of Iran, using PSIAC and MPSIAC models. <i>International Journal of Global Environmental Issues</i> , <b>2019</b> , 18, 1   | 0.8  | 3  |
| 9  | Modeling, prediction and trend assessment of drought in Iran using standardized precipitation index. <i>Journal of Water and Climate Change</i> , <b>2019</b> , 10, 181-196  | 2.3  | 36 |
| 8  | Evaluation of Drought Condition in Arid and Semi- Arid Regions, Using RDI Index. <i>Water Resources Management</i> , <b>2018</b> , 32, 1689-1711   | 3.7  | 24 |
| 7  | Landslide Susceptibility Mapping Using Fuzzy-AHP. <i>Geotechnical and Geological Engineering</i> , <b>2018</b> , 36, 3931-3943   | 1.5  | 18 |
| 6  | Analysis of drought transitions using log-linear models in Iran. <i>International Journal of Water</i> , <b>2017</b> , 11, 266   | 0.9  | 6  |
| 5  | Evaluation of changes in RDIst index effected by different Potential Evapotranspiration calculation methods. <i>Water Resources Management</i> , <b>2017</b> , 31, 4981-4999   | 3.7  | 28 |
| 4  | Trend assessment of precipitation and drought index (SPI) using parametric and non-parametric trend analysis methods (case study: arid regions of southern Iran). <i>International Journal of Hydrology Science and Technology</i> , <b>2017</b> , 7, 12 | 1.5  | 10 |

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|---|--|-----|----|
| 3 | Analysis of Changes in Spatial Pattern of Drought Using RDI Index in south of Iran. <i>Water Resources Management</i> , <b>2016</b> , 30, 3723-3743                          | 3.7 | 45 |
| 2 | Rainfall variability and trends in arid and semi arid Iran, using Mann-Kendall test. <i>International Journal of Hydrology Science and Technology</i> , <b>2016</b> , 6, 285 | 1.5 |    |
| 1 | Parametric and Non-Parametric Trend of Drought in Arid and Semi-Arid Regions Using RDI Index. <i>Water Resources Management</i> , <b>2016</b> , 30, 5479-5500                | 3.7 | 25 |