

Shahrokh Zand-Parsa

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54
papers

707
citations

16
h-index

25
g-index

56
ext. papers

824
ext. citations

3.1
avg, IF

4.42
L-index

#	Paper	IF	Citations
54	Comparability Analyses of the SPI and RDI Meteorological Drought Indices in Different Climatic Zones. <i>Water Resources Management</i> , 2011 , 25, 1737-1757	3.7	97
53	Development and evaluation of integrated water and nitrogen model for maize. <i>Agricultural Water Management</i> , 2006 , 81, 227-256	5.9	42
52	Utilization of Time-Based Meteorological Droughts to Investigate Occurrence of Streamflow Droughts. <i>Water Resources Management</i> , 2010 , 24, 4287-4306	3.7	36
51	Regional classification for dryland agriculture in southern Iran. <i>Journal of Arid Environments</i> , 2002 , 50, 333-341	2.5	36
50	Logistic model application for prediction of maize yield under water and nitrogen management. <i>Agricultural Water Management</i> , 2011 , 99, 51-57	5.9	35
49	Evaluation of Evapotranspiration over a Semiarid Region Using Multiresolution Data Sources. <i>Journal of Hydrometeorology</i> , 2019 , 20, 947-964	3.7	34
48	Application of A Simple Landsat-MODIS Fusion Model to Estimate Evapotranspiration over A Heterogeneous Sparse Vegetation Region. <i>Remote Sensing</i> , 2019 , 11, 741	5	30
47	Coupling and testing a new soil water module in DSSAT CERES-Maize model for maize production under semi-arid condition. <i>Agricultural Water Management</i> , 2016 , 163, 90-99	5.9	26
46	Hourly air temperature driven using multi-layer perceptron and radial basis function networks in arid and semi-arid regions. <i>Theoretical and Applied Climatology</i> , 2012 , 109, 519-528	3	26
45	Simulation of evaporation, coupled liquid water, water vapor and heat transport through the soil medium. <i>Agricultural Water Management</i> , 2013 , 130, 168-177	5.9	25
44	Determination of the potential evapotranspiration and crop coefficient for saffron using a water-balance lysimeter. <i>Archives of Agronomy and Soil Science</i> , 2011 , 57, 727-740	2	25
43	Evapotranspiration, crop coefficients, and physiological responses of citrus trees in semi-arid climatic conditions. <i>Agricultural Water Management</i> , 2020 , 227, 105838	5.9	25
42	Optimal applied water and nitrogen for corn. <i>Agricultural Water Management</i> , 2001 , 52, 73-85	5.9	22
41	Daily Stream Flow Prediction Capability of Artificial Neural Networks as influenced by Minimum Air Temperature Data. <i>Biosystems Engineering</i> , 2006 , 95, 557-567	4.8	20
40	Investigation of spatio-temporal patterns of seasonal streamflow droughts in a semi-arid region. <i>Natural Hazards</i> , 2013 , 69, 1697-1720	3	18
39	Nitrogen and water use efficiencies and yield response of barley cultivars under different irrigation and nitrogen regimes in a semi-arid Mediterranean climate. <i>Archives of Agronomy and Soil Science</i> , 2015 , 61, 15-32	2	16
38	Estimation of daily minimum land surface air temperature using MODIS data in southern Iran. <i>Theoretical and Applied Climatology</i> , 2017 , 130, 1149-1161	3	15

37	Assessing Crop Water Stress Index of Citrus Using In-Situ Measurements, Landsat, and Sentinel-2 Data. <i>International Journal of Remote Sensing</i> , 2021 , 42, 1893-1916	3.1	14
36	Estimation of instantaneous air temperature using remote sensing data. <i>International Journal of Remote Sensing</i> , 2018 , 39, 258-275	3.1	13
35	Prediction of soil hydraulic parameters by inverse method using genetic algorithm optimization under field conditions. <i>Archives of Agronomy and Soil Science</i> , 2010 , 56, 13-28	2	12
34	Soil hydraulic conductivity function based on specific liquid-vapor interfacial area around the soil particles. <i>Geoderma</i> , 2004 , 119, 143-157	6.7	12
33	Assessment of seasonal characteristics of streamflow droughts under semiarid conditions. <i>Natural Hazards</i> , 2016 , 82, 1541-1564	3	9
32	Modification and validation of maize simulation model (MSM) at different applied water and nitrogen levels under furrow irrigation. <i>Archives of Agronomy and Soil Science</i> , 2011 , 57, 401-420	2	9
31	Environmental and economic appraisal of agricultural water desalination use in South Iran: a comparative study of tomato production. <i>Journal of Applied Water Engineering and Research</i> , 2017 , 5, 91-102	1.2	8
30	Estimation of daily global solar irradiation under different sky conditions in central and southern Iran. <i>Theoretical and Applied Climatology</i> , 2017 , 127, 587-596	3	8
29	Modification of maize simulation model for predicting growth and yield of winter wheat under different applied water and nitrogen. <i>Agricultural Water Management</i> , 2015 , 150, 18-34	5.9	8
28	Preparation of frost atlas using different interpolation methods in a semiarid region of south of Iran. <i>Theoretical and Applied Climatology</i> , 2012 , 108, 159-171	3	8
27	Modification of Angstrom Model for Estimation of Global Solar Radiation in an Intermountain Region of Southern Iran. <i>Energy and Environment</i> , 2011 , 22, 911-924	2.4	7
26	Physiological and yield responses of rainfed grapevine under different supplemental irrigation regimes in Fars province, Iran. <i>Scientia Horticulturae</i> , 2016 , 202, 133-141	4.1	6
25	Estimation of yield and dry matter of winter wheat using logistic model under different irrigation water regimes and nitrogen application rates. <i>Archives of Agronomy and Soil Science</i> , 2014 , 60, 1661-1676	2	6
24	In-depth investigation of precipitation-based climate change and cyclic variation in different climatic zones. <i>Theoretical and Applied Climatology</i> , 2014 , 116, 565-583	3	6
23	Improved soil hydraulic conductivity function based on specific liquid-vapour interfacial area around the soil particles. <i>Geoderma</i> , 2006 , 132, 20-30	6.7	6
22	Extinction coefficients and radiation use efficiency of barley under different irrigation regimes and sowing dates. <i>Agricultural Water Management</i> , 2016 , 178, 126-136	5.9	6
21	Evaluation of Yield, Actual Crop Evapotranspiration and Water Productivity of Two Canola Cultivars as Influenced by Transplanting and Seeding and Deficit Irrigation. <i>International Journal of Plant Production</i> , 2019 , 13, 23-33	2.4	6
20	Enhancing estimation accuracy of daily maximum, minimum, and mean air temperature using spatio-temporal ground-based and remote-sensing data in southern Iran. <i>International Journal of Remote Sensing</i> , 2018 , 39, 6316-6339	3.1	5

19	Adjustment of radiation use efficiency of winter wheat by air temperature at different irrigation regimes and nitrogen rates. <i>Archives of Agronomy and Soil Science</i> , 2014 , 60, 49-66	2	5
18	Evaluation of groundwater potential recharge models considering estimated bare soil evaporation, in a semi-arid foothill region. <i>Hydrological Sciences Journal</i> , 2016 , 61, 162-172	3.5	4
17	Corn crop water stress index under different redroot pigweed (<i>Amaranthus retroflexus</i> L.) densities and irrigation regimes. <i>Archives of Agronomy and Soil Science</i> , 2010 , 56, 285-293	2	4
16	Physiological responses of orange trees subject to regulated deficit irrigation and partial root drying. <i>Irrigation Science</i> , 2021 , 39, 441-455	3.1	4
15	Relationship between Soluble and Extractable Phosphorus in Some Calcareous Soils of Iran. <i>Journal of Environmental Quality</i> , 1993 , 22, 578-583	3.4	3
14	Developing a dynamic yield and growth model for maize under various water and nitrogen regimes. <i>Archives of Agronomy and Soil Science</i> , 2014 , 60, 1173-1191	2	2
13	Evapotranspiration model selection for estimation of actual evaporation from bare soil, as required in annual potential groundwater recharge studies of a semi-arid foothill region. <i>Archives of Agronomy and Soil Science</i> , 2015 , 61, 1455-1472	2	2
12	Predicting the seedling emergence time of sugar beet () using beta models. <i>Physiology and Molecular Biology of Plants</i> , 2020 , 26, 2329-2338	2.8	2
11	Development of a Simulation Model for Estimation of Potential Recharge in a Semi-arid Foothill Region. <i>Water Resources Management</i> , 2017 , 31, 1535-1556	3.7	1
10	Optimization of applied irrigation water and nitrogen fertilizer for barley in a semi-arid region: a case study in Iran. <i>Irrigation and Drainage</i> , 2020 , 69, 559-571	1.1	1
9	Groundwater potential recharge estimation in bare soil using three soil moisture accounting models: field evaluation for a semi-arid foothill region. <i>Arabian Journal of Geosciences</i> , 2017 , 10, 1	1.8	1
8	Barley Grain Yield and Protein Content Response to Deficit Irrigation and Sowing Dates in Semi-Arid Region. <i>Modern Applied Science</i> , 2016 , 10, 193	1.3	1
7	Analysis of long-term trends in air and soil temperature in a semi-arid region in Iran. <i>Environmental Earth Sciences</i> , 2018 , 77, 1	2.9	0
6	Spatio-temporal variability of extreme precipitation characteristics under different climatic conditions in Fars province, Iran. <i>Environment, Development and Sustainability</i> , 1	4.5	0
5	Influences of natural salinity sources and human actions on the Shapour River salinity during the recent streamflow reduction period. <i>Environmental Monitoring and Assessment</i> , 2021 , 193, 696	3.1	0
4	Development of a simulation model for sugar beet growth under water and nitrogen deficiency. <i>Irrigation Science</i> , 1	3.1	0
3	Enhancing Vegetation Indices from Sentinel-2 Using Multispectral UAV Data, Google Earth Engine and Machine Learning. <i>Studies in Computational Intelligence</i> , 2022 , 507-523	0.8	0
2	Supplemental irrigation management of rainfed grapevines under drought conditions using the CropSyst model. <i>Spanish Journal of Agricultural Research</i> , 2020 , 18, e1203	1.1	

- 1 Estimation of Sugar Beet Yield and its Dry Matter Partitioning Under Different Irrigation and Nitrogen Levels. *Modern Applied Science*, **2016**, 11, 143 1.3