

Shahrokh Zand-Parsa

List of Publications by Year in descending order

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55
papers

990
citations

430442

18
h-index

476904

29
g-index

56
all docs

56
docs citations

56
times ranked

1086
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparability Analyses of the SPI and RDI Meteorological Drought Indices in Different Climatic Zones. <i>Water Resources Management</i> , 2011, 25, 1737-1757.	1.9	115
2	Evapotranspiration, crop coefficients, and physiological responses of citrus trees in semi-arid climatic conditions. <i>Agricultural Water Management</i> , 2020, 227, 105838.	2.4	63
3	Evaluation of Evapotranspiration over a Semiarid Region Using Multiresolution Data Sources. <i>Journal of Hydrometeorology</i> , 2019, 20, 947-964.	0.7	62
4	Development and evaluation of integrated water and nitrogen model for maize. <i>Agricultural Water Management</i> , 2006, 81, 227-256.	2.4	50
5	Simulation of evaporation, coupled liquid water, water vapor and heat transport through the soil medium. <i>Agricultural Water Management</i> , 2013, 130, 168-177.	2.4	43
6	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.	2.4	43
7	Application of A Simple Landsat-MODIS Fusion Model to Estimate Evapotranspiration over A Heterogeneous Sparse Vegetation Region. <i>Remote Sensing</i> , 2019, 11, 741.	1.8	43
8	Utilization of Time-Based Meteorological Droughts to Investigate Occurrence of Streamflow Droughts. <i>Water Resources Management</i> , 2010, 24, 4287-4306.	1.9	42
9	Logistic model application for prediction of maize yield under water and nitrogen management. <i>Agricultural Water Management</i> , 2011, 99, 51-57.	2.4	42
10	Regional classification for dryland agriculture in southern Iran. <i>Journal of Arid Environments</i> , 2002, 50, 333-341.	1.2	40
11	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.	1.3	36
12	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.	1.3	30
13	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.	1.3	29
14	Daily Stream Flow Prediction Capability of Artificial Neural Networks as influenced by Minimum Air Temperature Data. <i>Biosystems Engineering</i> , 2006, 95, 557-567.	1.9	26
15	Optimal applied water and nitrogen for corn. <i>Agricultural Water Management</i> , 2001, 52, 73-85.	2.4	24
16	Investigation of spatio-temporal patterns of seasonal streamflow droughts in a semi-arid region. <i>Natural Hazards</i> , 2013, 69, 1697-1720.	1.6	21
17	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.	1.3	19
18	Estimation of instantaneous air temperature using remote sensing data. <i>International Journal of Remote Sensing</i> , 2018, 39, 258-275.	1.3	19

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19	Estimation of daily minimum land surface air temperature using MODIS data in southern Iran. <i>Theoretical and Applied Climatology</i> , 2017, 130, 1149-1161.	1.3	18
20	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.	1.3	16
21	Assessment of seasonal characteristics of streamflow droughts under semiarid conditions. <i>Natural Hazards</i> , 2016, 82, 1541-1564.	1.6	16
22	Soil hydraulic conductivity function based on specific liquidâ€“vapor interfacial area around the soil particles. <i>Geoderma</i> , 2004, 119, 143-157.	2.3	13
23	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.	2.4	13
24	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.	1.3	12
25	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.	1.3	11
26	Extinction coefficients and radiation use efficiency of barley under different irrigation regimes and sowing dates. <i>Agricultural Water Management</i> , 2016, 178, 126-136.	2.4	10
27	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.	1.0	10
28	Physiological responses of orange trees subject to regulated deficit irrigation and partial root drying. <i>Irrigation Science</i> , 2021, 39, 441-455.	1.3	10
29	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.	2.7	9
30	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.	1.3	9
31	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.	1.0	9
32	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.	1.3	8
33	Physiological and yield responses of rainfed grapevine under different supplemental irrigation regimes in Fars province, Iran. <i>Scientia Horticulturae</i> , 2016, 202, 133-141.	1.7	7
34	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.	1.3	7
35	Improved soil hydraulic conductivity function based on specific liquidâ€“vapour interfacial area around the soil particles. <i>Geoderma</i> , 2006, 132, 20-30.	2.3	6
36	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.	1.3	6

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37	Adjustment of radiation use efficiency of winter wheat by air temperature at different irrigation regimes and nitrogen rates. Archives of Agronomy and Soil Science, 2014, 60, 49-66.	1.3	6
38	Evaluation of groundwater potential recharge models considering estimated bare soil evaporation, in a semi-arid foothill region. Hydrological Sciences Journal, 2016, 61, 162-172.	1.2	6
39	Corn crop water stress index under different redroot pigweed (<i>Amaranthus retroflexus</i> L.) densities and irrigation regimes. Archives of Agronomy and Soil Science, 2010, 56, 285-293.	1.3	5
40	Analysis of long-term trends in air and soil temperature in a semi-arid region in Iran. Environmental Earth Sciences, 2018, 77, 1.	1.3	4
41	Influences of natural salinity sources and human actions on the Shapour River salinity during the recent streamflow reduction period. Environmental Monitoring and Assessment, 2021, 193, 696.	1.3	4
42	Relationship between Soluble and Extractable Phosphorus in Some Calcareous Soils of Iran. Journal of Environmental Quality, 1993, 22, 578-583.	1.0	3
43	Developing a dynamic yield and growth model for maize under various water and nitrogen regimes. Archives of Agronomy and Soil Science, 2014, 60, 1173-1191.	1.3	3
44	Barley Grain Yield and Protein Content Response to Deficit Irrigation and Sowing Dates in Semi-Arid Region. Modern Applied Science, 2016, 10, 193.	0.4	3
45	Optimization of applied irrigation water and nitrogen fertilizer for barley in a semi-arid region: a case study in Iran. Irrigation and Drainage, 2020, 69, 559-571.	0.8	3
46	Predicting the seedling emergence time of sugar beet (<i>Beta vulgaris</i>) using beta models. Physiology and Molecular Biology of Plants, 2020, 26, 2329-2338.	1.4	3
47	Influence of Climatic Variability on Detected Drought Spatio/Temporal Variability and Characteristics by SPI and RDI. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2022, 46, 3369-3385.	1.0	3
48	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. Archives of Agronomy and Soil Science, 2015, 61, 1455-1472.	1.3	2
49	Optimization of a New Inverse Method for Estimation of Individual Soil Hydraulic Parameters under Field Conditions. Transactions of the ASABE, 2016, 59, 1257-1266.	1.1	2
50	Groundwater potential recharge estimation in bare soil using three soil moisture accounting models: field evaluation for a semi-arid foothill region. Arabian Journal of Geosciences, 2017, 10, 1.	0.6	2
51	Development of a Simulation Model for Estimation of Potential Recharge in a Semi-arid Foothill Region. Water Resources Management, 2017, 31, 1535-1556.	1.9	1
52	Spatio-temporal variability of extreme precipitation characteristics under different climatic conditions in Fars province, Iran. Environment, Development and Sustainability, 0, , 1.	2.7	1
53	Development of a simulation model for sugar beet growth under water and nitrogen deficiency. Irrigation Science, 2022, 40, 337-358.	1.3	1
54	Estimation of Sugar Beet Yield and its Dry Matter Partitioning Under Different Irrigation and Nitrogen Levels. Modern Applied Science, 2016, 11, 143.	0.4	0

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55	Supplemental irrigation management of rainfed grapevines under drought conditions using the CropSyst model. Spanish Journal of Agricultural Research, 2020, 18, e1203.	0.3	0