

Ph Gowda

List of Publications by Year in descending order

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153
papers

3,974
citations

159525

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161767

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g-index

155
all docs

155
docs citations

155
times ranked

4045
citing authors

#	ARTICLE	IF	CITATIONS
1	Interannual Variability and Seasonal Dynamics of Evapotranspiration of <i>Arundo donax</i> L. and Populations of its Biological Control Agent (<i>Tetramesa romana</i>). <i>Ecohydrology and Hydrobiology</i> , 2022, 22, 178-187.	1.0	3
2	Light interception, agronomic performance, and nutritive quality of annual forage legumes as affected by shade. <i>Field Crops Research</i> , 2022, 275, 108358.	2.3	13
3	Planting Density and Geometry Effect on Canopy Development, Forage Yield and Nutritive Value of Sorghum and Annual Legumes Intercropping. <i>Sustainability</i> , 2022, 14, 4517.	1.6	2
4	Evaluating crop management options for sorghum, pearl millet and peanut to minimize risk under the projected midcentury climate scenario for different locations in Senegal. <i>Climate Risk Management</i> , 2022, 36, 100436.	1.5	11
5	Nutritive Value and Silage Fermentation Characteristics of Forage Sorghum (<i>Sorghum bicolor</i> L.) Genotypes and Lablab (<i>Lablab Tj ETQq131 0.784314 rgB	1.1	14
6	Dormant Season Vegetation Phenology and Eddy Fluxes in Native Tallgrass Prairies of the U.S. Southern Plains. <i>Remote Sensing</i> , 2022, 14, 2620.	1.8	3
7	Evaluating optimal irrigation for potential yield and economic performance of major crops in southwestern Kansas. <i>Agricultural Water Management</i> , 2021, 244, 106536.	2.4	6
8	Comparison of Evapotranspiration and Biomass Simulation in Winter Wheat under Conventional and Conservation Tillage Systems using APEX Model. <i>Ecohydrology and Hydrobiology</i> , 2021, 21, 55-66.	1.0	7
9	Evaluating the sensitivity of vegetation and water indices to monitor drought for three Mediterranean crops. <i>Agronomy Journal</i> , 2021, 113, 123-134.	0.9	3
10	Evaluating optimal irrigation strategies for maize in Western Kansas. <i>Agricultural Water Management</i> , 2021, 246, 106677.	2.4	6
11	Use of Multiple Environment Variety Trials Data to Simulate Maize Yields in the Ogallala Aquifer Region: A Two Model Approach. <i>Journal of the American Water Resources Association</i> , 2021, 57, 281-295.	1.0	4
12	Time-varying trends in frost indicators in the U.S. Southern Great Plains. <i>International Journal of Climatology</i> , 2021, 41, 1264-1278.	1.5	5
13	Modeling Evapotranspiration of Winter Wheat Using Contextual and Pixel-Based Surface Energy Balance Models. <i>Transactions of the ASABE</i> , 2021, 64, 507-519.	1.1	4
14	Detecting Biophysical Characteristics and Nitrogen Status of Finger Millet at Hyperspectral and Multispectral Resolutions. <i>Frontiers in Agronomy</i> , 2021, 2, .	1.5	8
15	Modeling Cotton Growth and Yield Response to Irrigation Practices for Thermally Limited Growing Seasons in Kansas. <i>Transactions of the ASABE</i> , 2021, 64, 1-12.	1.1	4
16	Modeling the effects of crop management on food barley production under a midcentury changing climate in northern Ethiopia. <i>Climate Risk Management</i> , 2021, 32, 100308.	1.5	7
17	Water vapor density and turbulent fluxes from three generations of infrared gas analyzers. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 1253-1266.	1.2	2
18	Management options for mid-century maize (<i>Zea mays</i> L.) in Ethiopia. <i>Science of the Total Environment</i> , 2021, 758, 143635.	3.9	8

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19	Ecosystem-level water use efficiency and evapotranspiration partitioning in conventional till and no-till rainfed canola. <i>Agricultural Water Management</i> , 2021, 250, 106825.	2.4	7
20	Evaluation of Water Use Efficiency Algorithms for Flux Variance Similarity-Based Evapotranspiration Partitioning in C ₃ and C ₄ Grain Crops. <i>Water Resources Research</i> , 2021, 57, e2020WR028866.	1.7	7
21	Carbon dioxide and water vapor fluxes of multi-purpose winter wheat production systems in the U.S. Southern Great Plains. <i>Agricultural and Forest Meteorology</i> , 2021, 310, 108631.	1.9	11
22	The potential of active and passive remote sensing to detect frequent harvesting of alfalfa. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 104, 102539.	1.4	4
23	Comparing Evapotranspiration Products of Different Temporal and Spatial Scales in Native and Managed Prairie Pastures. <i>Remote Sensing</i> , 2021, 13, 82.	1.8	3
24	Incorporation and harvest management of hairy vetch-based green manure influence nitrous oxide emissions. <i>Renewable Agriculture and Food Systems</i> , 2020, 35, 561-570.	0.8	7
25	Winter wheat yield and nitrous oxide emissions in response to cowpea-based green manure and nitrogen fertilization. <i>Experimental Agriculture</i> , 2020, 56, 239-254.	0.4	5
26	Guar responses to temperature: Estimation of cardinal temperatures and photosynthetic parameters. <i>Industrial Crops and Products</i> , 2020, 145, 111940.	2.5	15
27	Integrating eddy fluxes and remote sensing products in a rotational grazing native tallgrass prairie pasture. <i>Science of the Total Environment</i> , 2020, 712, 136407.	3.9	15
28	Burning and Climate Interactions Determine Impacts of Grazing on Tallgrass Prairie Systems. <i>Rangeland Ecology and Management</i> , 2020, 73, 104-118.	1.1	2
29	Understanding the effects of pasture type and stocking rate on the hydrology of the Southern Great Plains. <i>Science of the Total Environment</i> , 2020, 708, 134873.	3.9	5
30	Differential responses of native and managed prairie pastures to environmental variability and management practices. <i>Agricultural and Forest Meteorology</i> , 2020, 294, 108137.	1.9	4
31	Dynamics of CO ₂ and H ₂ O fluxes in Johnson grass in the U.S. Southern Great Plains. <i>Science of the Total Environment</i> , 2020, 739, 140077.	3.9	10
32	Assessment of Landsat-Based Evapotranspiration Using Weighing Lysimeters in the Texas High Plains. <i>Agronomy</i> , 2020, 10, 1688.	1.3	2
33	Manuresheds: Advancing nutrient recycling in US agriculture. <i>Agricultural Systems</i> , 2020, 182, 102813.	3.2	75
34	Spatial analysis of the impact of climate change factors and adaptation strategies on productivity of wheat in Ethiopia. <i>Science of the Total Environment</i> , 2020, 731, 139094.	3.9	16
35	MOD\$AT: A hydro-economic modeling framework for aquifer management in irrigated agricultural regions. <i>Agricultural Water Management</i> , 2020, 238, 106194.	2.4	11
36	Influence of Tillage Systems, and Forms and Rates of Nitrogen Fertilizers on CO ₂ and N ₂ O Fluxes from Winter Wheat Cultivation in Oklahoma. <i>Agronomy</i> , 2020, 10, 320.	1.3	6

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37	DSSAT-MODFLOW: A new modeling framework for exploring groundwater conservation strategies in irrigated areas. <i>Agricultural Water Management</i> , 2020, 232, 106033.	2.4	31
38	Predicting Forage Quality of Warm-Season Legumes by Near Infrared Spectroscopy Coupled with Machine Learning Techniques. <i>Sensors</i> , 2020, 20, 867.	2.1	18
39	Flux variance similarity-based partitioning of evapotranspiration over a rainfed alfalfa field using high frequency eddy covariance data. <i>Agricultural and Forest Meteorology</i> , 2020, 285-286, 107907.	1.9	18
40	Landsat Hourly Evapotranspiration Flux Assessment using Lysimeters for the Texas High Plains. <i>Water (Switzerland)</i> , 2020, 12, 1192.	1.2	9
41	Summer forage capabilities of tepary bean and guar in the southern Great Plains. <i>Agronomy Journal</i> , 2020, 112, 2879-2890.	0.9	10
42	Soil N ₂ O emissions following termination of grass pea and oat cover crop residues with different maturity levels. <i>Journal of Plant Nutrition and Soil Science</i> , 2020, 183, 734-744.	1.1	6
43	Validation and application of AquaCrop for irrigated cotton in the Southern Great Plains of US. <i>Irrigation Science</i> , 2020, 38, 593-607.	1.3	22
44	Assessment of Heat Unit Availability and Potential Lint Yield of Cotton in Oklahoma. <i>Applied Engineering in Agriculture</i> , 2020, 36, 943-954.	0.3	2
45	Evaluation of SWAT Soil Water Estimation Accuracy Using Data from Indiana, Colorado, and Texas. <i>Transactions of the ASABE</i> , 2020, 63, 1827-1843.	1.1	2
46	Impacts of tillage systems, nitrogen fertilizer rates and a legume green manure on light interception and yield of winter wheat. <i>Cogent Food and Agriculture</i> , 2019, 5, 1580176.	0.6	8
47	Dynamics of evapotranspiration over a non-irrigated alfalfa field in the Southern Great Plains of the United States. <i>Agricultural Water Management</i> , 2019, 223, 105727.	2.4	14
48	Development and Evaluation of an Agricultural Drought Index by Harnessing Soil Moisture and Weather Data. <i>Water (Switzerland)</i> , 2019, 11, 1375.	1.2	30
49	Response of Tallgrass Prairie to Management in the U.S. Southern Great Plains: Site Descriptions, Management Practices, and Eddy Covariance Instrumentation for a Long-Term Experiment. <i>Remote Sensing</i> , 2019, 11, 1988.	1.8	12
50	Recent Ogallala Aquifer Region Drought Conditions as Observed by Terrestrial Water Storage Anomalies from GRACE. <i>Journal of the American Water Resources Association</i> , 2019, 55, 1370-1381.	1.0	3
51	SWAT-GLUT: A Desktop Graphical User Interface for Updating Land Use in SWAT. <i>Journal of the American Water Resources Association</i> , 2019, 55, 1102-1115.	1.0	30
52	Carbon and water dynamics in co-located winter wheat and canola fields in the U.S. Southern Great Plains. <i>Agricultural and Forest Meteorology</i> , 2019, 279, 107714.	1.9	20
53	Yield and Water Productivity of Winter Wheat under Various Irrigation Capacities. <i>Journal of the American Water Resources Association</i> , 2019, 55, 24-37.	1.0	14
54	Transition Pathways to Sustainable Agricultural Water Management: A Review of Integrated Modeling Approaches. <i>Journal of the American Water Resources Association</i> , 2019, 55, 6-23.	1.0	13

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55	Simulating the Impacts of Irrigation Levels on Soybean Production in Texas High Plains to Manage Diminishing Groundwater Levels. <i>Journal of the American Water Resources Association</i> , 2019, 55, 56-69.	1.0	19
56	Simulating Soil Water Content, Evapotranspiration, and Yield of Variably Irrigated Grain Sorghum Using AquaCrop. <i>Journal of the American Water Resources Association</i> , 2019, 55, 976-993.	1.0	15
57	Comparison of Evapotranspiration Simulation Performance by APEX Model in Dryland and Irrigated Cropping Systems. <i>Journal of the American Water Resources Association</i> , 2019, 55, 1009-1023.	1.0	2
58	Climate Effects on Tallgrass Prairie Responses to Continuous and Rotational Grazing. <i>Agronomy</i> , 2019, 9, 219.	1.3	18
59	Soil respiration from winter wheat-based cropping systems in the US Southern Great Plains as influenced by tillage managements. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2019, 69, 377-385.	0.3	4
60	Simulating the impacts of climate change on hydrology and crop production in the Northern High Plains of Texas using an improved SWAT model. <i>Agricultural Water Management</i> , 2019, 221, 13-24.	2.4	45
61	Evaluation of Evapotranspiration from Eddy Covariance Using Large Weighing Lysimeters. <i>Agronomy</i> , 2019, 9, 99.	1.3	35
62	Multisite evaluation of an improved SWAT irrigation scheduling algorithm for corn (<i>Zea mays</i> L.) production in the U.S. Southern Great Plains. <i>Environmental Modelling and Software</i> , 2019, 118, 23-34.	1.9	15
63	Featured Series Introduction: Optimizing Ogallala Aquifer Water Use to Sustain Food Systems. <i>Journal of the American Water Resources Association</i> , 2019, 55, 3-5.	1.0	7
64	A Modeling Framework for Deriving Daily Time Series of Evapotranspiration Maps Using a Surface Energy Balance Model. <i>Remote Sensing</i> , 2019, 11, 508.	1.8	6
65	Modeling irrigation and nitrogen management of wheat in northern Ethiopia. <i>Agricultural Water Management</i> , 2019, 216, 264-272.	2.4	21
66	Influence of Contrasting Soil Moisture Conditions on Carbon Dioxide and Nitrous Oxide Emissions from Terminated Green Manures. , 2019, 2, 1-8.		6
67	Editorial for the Special Issue "Remote Sensing of Evapotranspiration (ET)". <i>Remote Sensing</i> , 2019, 11, 2146.	1.8	6
68	Heat storage and its effect on the surface energy balance closure under advective conditions. <i>Agricultural and Forest Meteorology</i> , 2019, 265, 56-69.	1.9	20
69	Economic value and water productivity of major irrigated crops in the Ogallala aquifer region. <i>Agricultural Water Management</i> , 2019, 214, 55-63.	2.4	25
70	Application of the water-related spectral reflectance indices: A review. <i>Ecological Indicators</i> , 2019, 98, 68-79.	2.6	62
71	Annual dynamics of carbon dioxide fluxes over a rainfed alfalfa field in the U.S. Southern Great Plains. <i>Agricultural and Forest Meteorology</i> , 2019, 265, 208-217.	1.9	14
72	Comparing the Effects of Inputs for NTT and ArcAPEX Interfaces on Model Outputs and Simulation Performance. <i>Journal of Water Resource and Protection</i> , 2019, 11, 554-580.	0.3	3

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73	Application of an energy balance method for estimating evapotranspiration in cropping systems. <i>Agricultural Water Management</i> , 2018, 204, 107-117.	2.4	19
74	Grain sorghum production functions under different irrigation capacities. <i>Agricultural Water Management</i> , 2018, 203, 261-271.	2.4	24
75	Tallgrass Prairie Responses to Management Practices and Disturbances: A Review. <i>Agronomy</i> , 2018, 8, 300.	1.3	19
76	Modeling Evapotranspiration and Crop Growth of Irrigated and Non-Irrigated Corn in the Texas High Plains Using RZWQM. <i>Transactions of the ASABE</i> , 2018, 61, 1653-1666.	1.1	5
77	Adaptability and Forage Characterization of Finger Millet Accessions in U.S. Southern Great Plains. <i>Agronomy</i> , 2018, 8, 177.	1.3	11
78	Forage Potential of Summer Annual Grain Legumes in the Southern Great Plains. <i>Agronomy Journal</i> , 2018, 110, 2198-2210.	0.9	33
79	APEXSENSUN: An Open-Source Package in R for Sensitivity Analysis and Model Performance Evaluation of APEX. <i>Journal of the American Water Resources Association</i> , 2018, 54, 1270-1284.	1.0	9
80	Assessment of Alternative Agricultural Land Use Options for Extending the Availability of the Ogallala Aquifer in the Northern High Plains of Texas. <i>Hydrology</i> , 2018, 5, 53.	1.3	17
81	Microbial communities in soil profile are more responsive to legacy effects of wheat-cover crop rotations than tillage systems. <i>Soil Biology and Biochemistry</i> , 2018, 123, 126-135.	4.2	61
82	Evaluating evapotranspiration estimation methods in APEX model for dryland cropping systems in a semi-arid region. <i>Agricultural Water Management</i> , 2018, 206, 217-228.	2.4	21
83	Lysimetric Evaluation of the APEX Model to Simulate Daily ET for Irrigated Crops in the Texas High Plains. <i>Transactions of the ASABE</i> , 2018, 61, 65-74.	1.1	6
84	Evaluation of the Oceanic Niño Index as a decision support tool for winter wheat cropping systems in the Texas High Plains using SWAT. <i>Computers and Electronics in Agriculture</i> , 2018, 151, 331-337.	3.7	8
85	Simultaneous calibration of evapotranspiration and crop yield in agronomic system modeling using the APEX model. <i>Agricultural Water Management</i> , 2018, 208, 299-306.	2.4	14
86	Nitrous oxide emissions as influenced by legume cover crops and nitrogen fertilization. <i>Nutrient Cycling in Agroecosystems</i> , 2018, 112, 119-131.	1.1	17
87	Quantifying soybean evapotranspiration using an eddy covariance approach. <i>Agricultural Water Management</i> , 2018, 209, 228-239.	2.4	46
88	Carbon dioxide and water vapor fluxes in winter wheat and tallgrass prairie in central Oklahoma. <i>Science of the Total Environment</i> , 2018, 644, 1511-1524.	3.9	29
89	Evaluation of Satellite-Derived Rainfall Data for Multiple Physio-Climatic Regions in the Santiago River Basin, Mexico. <i>Journal of the American Water Resources Association</i> , 2018, 54, 1068-1086.	1.0	4
90	Net ecosystem exchange of CO ₂ and H ₂ O fluxes from irrigated grain sorghum and maize in the Texas High Plains. <i>Science of the Total Environment</i> , 2018, 637-638, 163-173.	3.9	23

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91	Variability in carbon dioxide fluxes among six winter wheat paddocks managed under different tillage and grazing practices. <i>Atmospheric Environment</i> , 2018, 185, 100-108.	1.9	22
92	Canopy Development of Annual Legumes and Forage Sorghum Intercrops and Its Relation to Dry Matter Accumulation. <i>Agronomy Journal</i> , 2018, 110, 939-949.	0.9	5
93	Climate zones determine where substantial increases of maize yields can be attained in Northeast China. <i>Climatic Change</i> , 2018, 149, 473-487.	1.7	14
94	Mothbean: A Potential Summer Crop for the Southern Great Plains. <i>American Journal of Plant Sciences</i> , 2018, 09, 1391-1402.	0.3	15
95	Examining the short-term impacts of diverse management practices on plant phenology and carbon fluxes of Old World bluestems pasture. <i>Agricultural and Forest Meteorology</i> , 2017, 237-238, 60-70.	1.9	41
96	Impact of rainfall pattern on interrill erosion process. <i>Earth Surface Processes and Landforms</i> , 2017, 42, 1833-1846.	1.2	51
97	Performance of five surface energy balance models for estimating daily evapotranspiration in high biomass sorghum. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2017, 128, 192-203.	4.9	99
98	Growing season variability in carbon dioxide exchange of irrigated and rainfed soybean in the southern United States. <i>Science of the Total Environment</i> , 2017, 593-594, 263-273.	3.9	27
99	Optimizing preplant irrigation for maize under limited water in the High Plains. <i>Agricultural Water Management</i> , 2017, 187, 154-163.	2.4	27
100	Utility of remote sensing-based surface energy balance models to track water stress in rain-fed switchgrass under dry and wet conditions. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2017, 133, 128-141.	4.9	37
101	Evaluation of financial efficiency of drip-irrigation of red pepper based on evapotranspiration calculated using an iterative soil water-budget approach. <i>Scientia Horticulturae</i> , 2017, 226, 398-405.	1.7	12
102	Evaluating the impact of future climate change on irrigated maize production in Kansas. <i>Climate Risk Management</i> , 2017, 17, 139-154.	1.5	41
103	Estimating missing hourly climatic data using artificial neural network for energy balance based <scp>ET</scp> mapping applications. <i>Meteorological Applications</i> , 2017, 24, 457-465.	0.9	1
104	Evaluation of water-limited cropping systems in a semi-arid climate using DSSAT-CSM. <i>Agricultural Systems</i> , 2017, 150, 86-98.	3.2	58
105	Analysis and estimation of tallgrass prairie evapotranspiration in the central United States. <i>Agricultural and Forest Meteorology</i> , 2017, 232, 35-47.	1.9	27
106	Kansas Trends and Changes in Temperature, Precipitation, Drought, and Frost-Free Days from the 1890s to 2015. <i>Journal of Contemporary Water Research and Education</i> , 2017, 162, 18-30.	0.7	21
107	Calibration and Validation of CSM-CROPGRO Cotton Model Using Lysimeter Data in the Texas High Plains. <i>Journal of Contemporary Water Research and Education</i> , 2017, 162, 61-78.	0.7	15
108	Understanding Climate-Hydrologic-Human Interactions to Guide Groundwater Model Development for Southern High Plains. <i>Journal of Contemporary Water Research and Education</i> , 2017, 162, 79-99.	0.7	9

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109	Impact of Length of Dataset on Streamflow Calibration Parameters and Performance of <sc>APEX</sc> Model. Journal of the American Water Resources Association, 2017, 53, 1164-1177.	1.0	12
110	Evaluation of Sensible Heat Flux and Evapotranspiration Estimates Using a Surface Layer Scintillometer and a Large Weighing Lysimeter. Sensors, 2017, 17, 2350.	2.1	24
111	Simulated Bermudagrass Production and Nitrate Leaching Affected by El Niño-Southern Oscillation, Soil, and Clipping Frequency. Agronomy Journal, 2017, 109, 2649-2661.	0.9	4
112	Simulating Evapotranspiration and Yield Response of Selected Corn Varieties under Full and Limited Irrigation in the Texas High Plains Using DSSAT-CERES-Maize. Transactions of the ASABE, 2017, 60, 837-846.	1.1	20
113	Exceedance Probability of the Standardized Precipitation-Evapotranspiration Index in the Texas High Plains. Agricultural Sciences, 2017, 08, 783-800.	0.2	3
114	In Search of Annual Legumes to Improve Forage Sorghum Yield and Nutritive Value in the Southern High Plains. Crop, Forage and Turfgrass Management, 2016, 2, 1-5.	0.2	9
115	Estimating Evapotranspiration for Dryland Cropping Systems in the Semi-arid Texas High Plains Using <sc>SWAT</sc>. Journal of the American Water Resources Association, 2016, 52, 298-314.	1.0	31
116	Estimating pre-season irrigation losses by characterizing evaporation of effective precipitation under bare soil conditions using large weighing lysimeters. Agricultural Water Management, 2016, 169, 115-128.	2.4	21
117	Simulation of crop evapotranspiration and crop coefficients with data in weighing lysimeters. Agricultural Water Management, 2016, 177, 274-283.	2.4	61
118	Parameterizing ecosystem light use efficiency and water use efficiency to estimate maize gross primary production and evapotranspiration using MODIS EVI. Agricultural and Forest Meteorology, 2016, 222, 87-97.	1.9	51
119	Accuracy Assessment of NOAA Gridded Daily Reference Evapotranspiration for the Texas High Plains. Journal of the American Water Resources Association, 2015, 51, 1262-1271.	1.0	9
120	Identifying and Evaluating a Suitable Index for Agricultural Drought Monitoring in the Texas High Plains. Journal of the American Water Resources Association, 2015, 51, 807-820.	1.0	47
121	A model integration framework for linking SWAT and MODFLOW. Environmental Modelling and Software, 2015, 73, 103-116.	1.9	123
122	Characterization of trends in reservoir storage, streamflow, and precipitation in the Canadian River watershed in New Mexico and Texas. Lake and Reservoir Management, 2015, 31, 64-79.	0.4	7
123	Knowledge and tools to enhance resilience of beef grazing systems for sustainable animal protein production. Annals of the New York Academy of Sciences, 2014, 1328, 10-17.	1.8	9
124	Gaussian process models for reference ET estimation from alternative meteorological data sources. Journal of Hydrology, 2014, 517, 28-35.	2.3	28
125	Investigating the influence of roughness length for heat transport (zoh) on the performance of SEBAL in semi-arid irrigated and dryland agricultural systems. Journal of Hydrology, 2014, 509, 231-244.	2.3	36
126	Climate change scenarios of surface solar radiation in data sparse regions: a case study in Malaprabha River Basin, India. Climate Research, 2014, 59, 259-270.	0.4	6

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127	Lysimetric evaluation of SEBAL using high resolution airborne imagery from BEAREX08. <i>Advances in Water Resources</i> , 2013, 59, 157-168.	1.7	33
128	Long-term spatial and temporal trends in frost indices in Kansas, USA. <i>Climatic Change</i> , 2013, 120, 169-181.	1.7	56
129	A tool for mapping and spatio-temporal analysis of hydrological data. <i>Environmental Modelling and Software</i> , 2013, 48, 163-170.	1.9	25
130	A review of downscaling methods for remote sensing-based irrigation management: part I. <i>Irrigation Science</i> , 2013, 31, 831-850.	1.3	67
131	A review of potential image fusion methods for remote sensing-based irrigation management: part II. <i>Irrigation Science</i> , 2013, 31, 851-869.	1.3	31
132	Modeling the impact of nitrogen fertilizer application and tile drain configuration on nitrate leaching using SWAT. <i>Agricultural Water Management</i> , 2013, 130, 36-43.	2.4	51
133	Comparison of the performances of DRAINMOD-NII and ADAPT models in simulating nitrate losses from subsurface drainage systems. <i>Agricultural Water Management</i> , 2013, 129, 21-30.	2.4	9
134	Operational Evapotranspiration Mapping Using Remote Sensing and Weather Datasets: A New Parameterization for the SSEB Approach. <i>Journal of the American Water Resources Association</i> , 2013, 49, 577-591.	1.0	411
135	Deriving Hourly Evapotranspiration Rates with SEBS: A Lysimetric Evaluation. <i>Vadose Zone Journal</i> , 2013, 12, 1-11.	1.3	20
136	Evaluation of the Hooghoudt and Kirkham Tile Drain Equations in the Soil and Water Assessment Tool to Simulate Tile Flow and Nitrate-Nitrogen. <i>Journal of Environmental Quality</i> , 2013, 42, 1699-1710.	1.0	31
137	Overview of the Bushland Evapotranspiration and Agricultural Remote sensing EXperiment 2008 (BEAREX08): A field experiment evaluating methods for quantifying ET at multiple scales. <i>Advances in Water Resources</i> , 2012, 50, 4-19.	1.7	99
138	Two-source energy balance model estimates of evapotranspiration using component and composite surface temperatures. <i>Advances in Water Resources</i> , 2012, 50, 134-151.	1.7	148
139	Estimation of surface energy fluxes using surface renewal and flux variance techniques over an advective irrigated agricultural site. <i>Advances in Water Resources</i> , 2012, 50, 91-105.	1.7	26
140	Soil water content estimation using a remote sensing based hybrid evapotranspiration modeling approach. <i>Advances in Water Resources</i> , 2012, 50, 152-161.	1.7	64
141	Sensitivity of Grass- and Alfalfa-Reference Evapotranspiration to Weather Station Sensor Accuracy. <i>Applied Engineering in Agriculture</i> , 2012, 28, 543-549.	0.3	25
142	Influence of geographical location, crop type and crop residue cover on bacterial and fungal community structures. <i>Geoderma</i> , 2011, 160, 271-280.	2.3	10
143	Downscaling of Land Surface Temperature Maps in the Texas High Plains with the TsHARP Method. <i>GIScience and Remote Sensing</i> , 2011, 48, 583-599.	2.4	18
144	Impact of agroecosystems on groundwater resources in the Central High Plains, USA. <i>Agriculture, Ecosystems and Environment</i> , 2010, 139, 700-713.	2.5	51

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145	Artificial Neural Network Approach for Mapping Contrasting Tillage Practices. Remote Sensing, 2010, 2, 579-590.	1.8	29
146	Effects of changes in N-fertilizer management on water quality trends at the watershed scale. Agricultural Water Management, 2010, 97, 1855-1860.	2.4	18
147	ET mapping for agricultural water management: present status and challenges. Irrigation Science, 2008, 26, 223-237.	1.3	296
148	Simulated long-term nitrogen losses for a midwestern agricultural watershed in the United States. Agricultural Water Management, 2008, 95, 616-624.	2.4	23
149	Surface Energy Balance Based Evapotranspiration Mapping in the Texas High Plains. Sensors, 2008, 8, 5186-5201.	2.1	50
150	Suitability of Cotton as an Alternative Crop in the Ogallala Aquifer Region. Agronomy Journal, 2007, 99, 1397-1403.	0.9	21
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