

# Todd H Skaggs

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

2,058  
citations

236925

25  
h-index

276875

41  
g-index

42  
all docs

42  
docs citations

42  
times ranked

2192  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of Water Use Efficiency Algorithms for Flux Variance Similarity-Based Evapotranspiration Partitioning in C <sub>3</sub> and C <sub>4</sub> Grain Crops. <i>Water Resources Research</i> , 2021, 57, e2020WR028866.	4.2	7
2	Impact of Drought and Changing Water Sources on Water Use and Soil Salinity of Almond and Pistachio Orchards: 1. Observations. <i>Soil Systems</i> , 2021, 5, 50.	2.6	4
3	Impact of Drought and Changing Water Sources on Water Use and Soil Salinity of Almond and Pistachio Orchards: 2. Modeling. <i>Soil Systems</i> , 2021, 5, 58.	2.6	4
4	Dynamic Management Zones for Irrigation Scheduling. <i>Agricultural Water Management</i> , 2020, 238, 106207.	5.6	26
5	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.	4.8	18
6	Correlation-based flux partitioning of water vapor and carbon dioxide fluxes: Method simplification and estimation of canopy water use efficiency. <i>Agricultural and Forest Meteorology</i> , 2019, 279, 107732.	4.8	20
7	Reviews and syntheses: Turning the challenges of partitioning ecosystem evaporation and transpiration into opportunities. <i>Biogeosciences</i> , 2019, 16, 3747-3775.	3.3	150
8	Workflow to Establish Time-Specific Zones in Precision Agriculture by Spatiotemporal Integration of Plant and Soil Sensing Data. <i>Agronomy</i> , 2018, 8, 253.	3.0	31
9	Monitoring and validating spatially and temporally continuous daily evaporation and transpiration at river basin scale. <i>Remote Sensing of Environment</i> , 2018, 219, 72-88.	11.0	82
10	Estimating the Permeability of Naturally Structured Soil From Percolation Theory and Pore Space Characteristics Imaged by X-Ray. <i>Water Resources Research</i> , 2018, 54, 9255-9263.	4.2	52
11	Validating the use of MODIS time series for salinity assessment over agricultural soils in California, USA. <i>Ecological Indicators</i> , 2018, 93, 889-898.	6.3	41
12	Upscaling soil saturated hydraulic conductivity from pore throat characteristics. <i>Advances in Water Resources</i> , 2017, 104, 105-113.	3.8	32
13	Measurement and Partitioning of Evapotranspiration for Application to Vadose Zone Studies. <i>Vadose Zone Journal</i> , 2017, 16, 1-9.	2.2	28
14	Remote sensing is a viable tool for mapping soil salinity in agricultural lands. <i>California Agriculture</i> , 2017, 71, 231-238.	0.8	35
15	Quantifying tight-gas sandstone permeability via critical path analysis. <i>Advances in Water Resources</i> , 2016, 92, 316-322.	3.8	33
16	Comparative regional-scale soil salinity assessment with near-ground apparent electrical conductivity and remote sensing canopy reflectance. <i>Ecological Indicators</i> , 2016, 70, 276-284.	6.3	59
17	Spatial interpolation quality assessment for soil sensor transect datasets. <i>Computers and Electronics in Agriculture</i> , 2016, 123, 74-79.	7.7	9
18	A soil moisture accounting-procedure with a Richards' equation-based soil texture-dependent parameterization. <i>Water Resources Research</i> , 2015, 51, 506-523.	4.2	14

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19	Regional-scale soil salinity assessment using Landsat ETM + canopy reflectance. Remote Sensing of Environment, 2015, 169, 335-343.	11.0	149
20	Exact analytical solutions for contaminant transport in rivers 1. The equilibrium advection-dispersion equation. Journal of Hydrology and Hydromechanics, 2013, 61, 146-160.	2.0	63
21	Exact Analytical Solutions for Contaminant Transport in Rivers. Journal of Hydrology and Hydromechanics, 2013, 61, 250-259.	2.0	22
22	Diurnal Variation of Diazinon Volatilization: Soil Moisture Effects. Environmental Science & Technology, 2011, 45, 2144-2149.	10.0	18
23	Assessment of critical path analyses of the relationship between permeability and electrical conductivity of pore networks. Advances in Water Resources, 2011, 34, 1335-1342.	3.8	27
24	Drip Irrigation Water Distribution Patterns: Effects of Emitter Rate, Pulsing, and Antecedent Water. Soil Science Society of America Journal, 2010, 74, 1886-1896.	2.2	70
25	Analytical Solution for Multi-Species Contaminant Transport in Finite Media with Time-Varying Boundary Conditions. Transport in Porous Media, 2010, 85, 171-188.	2.6	37
26	Comparison of Sampling Strategies for Characterizing Spatial Variability with Apparent Soil Electrical Conductivity Directed Soil Sampling. Journal of Environmental and Engineering Geophysics, 2010, 15, 147-162.	0.5	25
27	Analytical Solution for Multi-Species Contaminant Transport Subject to Sequential First-Order Decay Reactions in Finite Media. Transport in Porous Media, 2009, 80, 373-387.	2.6	52
28	Comparison of measured and simulated water storage in dryland terraces of the Loess Plateau, China. Agricultural Water Management, 2009, 96, 299-306.	5.6	54
29	Measuring Particle Size Distribution Using Laser Diffraction. Soil Science, 2009, 174, 639-645.	0.9	35
30	Performance of Pitcher Irrigation System. Soil Science, 2009, 174, 312-320.	0.9	32
31	Roots and Root Function: Introduction. Vadose Zone Journal, 2008, 7, 1008-1009.	2.2	17
32	Macroscopic approaches to root water uptake as a function of water and salinity stress. Agricultural Water Management, 2006, 86, 140-149.	5.6	164
33	Limitations in recovering the history of a groundwater contaminant plume. Journal of Contaminant Hydrology, 1998, 33, 347-359.	3.3	49
34	Deconvolution of a nonparametric transfer function for solute transport in soils. Journal of Hydrology, 1998, 207, 170-178.	5.4	22
35	Comment on "Minimum relative entropy inversion: Theory and application to recovering the release history of a groundwater contaminant" by Allan D. Woodbury and Tadeusz J. Ulrych. Water Resources Research, 1998, 34, 2077-2079.	4.2	17
36	The first-order reliability method of predicting cumulative mass flux in heterogeneous porous formations. Water Resources Research, 1997, 33, 1485-1494.	4.2	26

#	ARTICLE	IF	CITATIONS
37	Sensitivity Methods for Time-Continuous, Spatially Discrete Groundwater Contaminant Transport Models. <i>Water Resources Research</i> , 1996, 32, 2409-2420.	4.2	25
38	Recovering the History of a Groundwater Contaminant Plume: Method of Quasi-Reversibility. <i>Water Resources Research</i> , 1995, 31, 2669-2673.	4.2	127
39	Recovering the release history of a groundwater contaminant. <i>Water Resources Research</i> , 1994, 30, 71-79.	4.2	201
40	Analytical Solutions for Solute Transport in Three-Dimensional Semi-infinite Porous Media. <i>Water Resources Research</i> , 1991, 27, 2719-2733.	4.2	174