Todd H Skaggs

List of Publications by Year
in descending order

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	Recovering the release history of a groundwater contaminant. Water Resources Research, 1994, 30, 71-79.	4.2	201
2	Analytical Solutions for Solute Transport in Three-Dimensional Semi-infinite Porous Media. Water Resources Research, 1991, 27, 2719-2733.	4.2	174
3	Macroscopic approaches to root water uptake as a function of water and salinity stress. Agricultural Water Management, 2006, 86, 140-149.	5.6	164
4	Reviews and syntheses: Turning the challenges of partitioning ecosystem evaporation and transpiration into opportunities. Biogeosciences, 2019, 16, 3747-3775.	3.3	150
5	Regional-scale soil salinity assessment using Landsat ETM + canopy reflectance. Remote Sensing of Environment, 2015, 169, 335-343.	11.0	149
6	Recovering the History of a Groundwater Contaminant Plume: Method of Quasi-Reversibility. Water Resources Research, 1995, 31, 2669-2673.	4.2	127
7	Monitoring and validating spatially and temporally continuous daily evaporation and transpiration at river basin scale. Remote Sensing of Environment, 2018, 219, 72-88.	11.0	82
8	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
9	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
10	Comparative regional-scale soil salinity assessment with near-ground apparent electrical conductivity and remote sensing canopy reflectance. Ecological Indicators, 2016, 70, 276-284.	6.3	59
11	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
12	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
13	Estimating the Permeability of Naturally Structured Soil From Percolation Theory and Pore Space Characteristics Imaged by XâEŘay. Water Resources Research, 2018, 54, 9255-9263.	4.2	52
14	Limitations in recovering the history of a groundwater contaminant plume. Journal of Contaminant Hydrology, 1998, 33, 347-359.	3.3	49
15	Validating the use of MODIS time series for salinity assessment over agricultural soils in California, USA. Ecological Indicators, 2018, 93, 889-898.	6.3	41
16	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
17	Measuring Particle Size Distribution Using Laser Diffraction. Soil Science, 2009, 174, 639-645.	0.9	35
18	Remote sensing is a viable tool for mapping soil salinity in agricultural lands. California Agriculture, 2017, 71, 231-238.	0.8	35

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19	Quantifying tight-gas sandstone permeability via critical path analysis. Advances in Water Resources, 2016, 92, 316-322.	3.8	33
20	Performance of Pitcher Irrigation System. Soil Science, 2009, 174, 312-320.	0.9	32
21	Upscaling soil saturated hydraulic conductivity from pore throat characteristics. Advances in Water Resources, 2017, 104, 105-113.	3.8	32
22	Workflow to Establish Time-Specific Zones in Precision Agriculture by Spatiotemporal Integration of Plant and Soil Sensing Data. Agronomy, 2018, 8, 253.	3.0	31
23	Measurement and Partitioning of Evapotranspiration for Application to Vadose Zone Studies. Vadose Zone Journal, 2017, 16, 1-9.	2.2	28
24	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
25	The first-order reliability method of predicting cumulative mass flux in heterogeneous porous formations. Water Resources Research, 1997, 33, 1485-1494.	4.2	26
26	Dynamic Management Zones for Irrigation Scheduling. Agricultural Water Management, 2020, 238, 106207.	5.6	26
27	Sensitivity Methods for Time-Continuous, Spatially Discrete Groundwater Contaminant Transport Models. Water Resources Research, 1996, 32, 2409-2420.	4.2	25
28	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
29	Deconvolution of a nonparametric transfer function for solute transport in soils. Journal of Hydrology, 1998, 207, 170-178.	5.4	22
30	Exact Analytical Solutions for Contaminant Transport in Rivers. Journal of Hydrology and Hydromechanics, 2013, 61, 250-259.	2.0	22
31	Correlation-based flux partitioning of water vapor and carbon dioxide fluxes: Method simplification and estimation of canopy water use efficiency. Agricultural and Forest Meteorology, 2019, 279, 107732.	4.8	20
32	Diurnal Variation of Diazinon Volatilization: Soil Moisture Effects. Environmental Science & Technology, 2011, 45, 2144-2149.	10.0	18
33	Flux variance similarity-based partitioning of evapotranspiration over a rainfed alfalfa field using high frequency eddy covariance data. Agricultural and Forest Meteorology, 2020, 285-286, 107907.	4.8	18
34	Comment on â€œMinimum relative entropy inversion: Theory and application to recovering the release history of a groundwater contaminantâ€•by Allan D. Woodbury and Tadeusz J. Ulrych. Water Resources Research, 1998, 34, 2077-2079.	4.2	17
35	Roots and Root Function: Introduction. Vadose Zone Journal, 2008, 7, 1008-1009.	2.2	17
36	A soil moisture accounting-procedure with a Richards' equation-based soil texture-dependent parameterization. Water Resources Research, 2015, 51, 506-523.	4.2	14

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37	Spatial interpolation quality assessment for soil sensor transect datasets. Computers and Electronics in Agriculture, 2016, 123, 74-79.	7.7	9
38	Evaluation of Water Use Efficiency Algorithms for Flux Variance Similarityâ€Based Evapotranspiration Partitioning in C₃ and C₄ Grain Crops. Water Resources Research, 2021, 57, e2020WR028866.	4.2	7
39	Impact of Drought and Changing Water Sources on Water Use and Soil Salinity of Almond and Pistachio Orchards: 1. Observations. Soil Systems, 2021, 5, 50.	2.6	4
40	Impact of Drought and Changing Water Sources on Water Use and Soil Salinity of Almond and Pistachio Orchards: 2. Modeling. Soil Systems, 2021, 5, 58.	2.6	4