Wendy D Graham

List of Publications by Year
in descending order

75 papers	2,687 citations	159585 30 h-index	197818 49 g-index
82 all docs	82 docs citations	82 times ranked	2440 citing authors

#	Article	IF	Citations
1	The Florida Water and Climate Alliance (FloridaWCA): Developing a Stakeholderâ€“Scientist Partnership to Create Actionable Science in Climate Adaptation and Water Resource Management. Bulletin of the American Meteorological Society, 2021, 102, E367-E382.	3.3	9
2	Spatially distributed denitrification in a karst springshed. Hydrological Processes, 2019, 33, 1191-1203.	2.6	5
3	Evaluation of impacts of future climate change and water use scenarios on regional hydrology. Hydrology and Earth System Sciences, 2018, 22, 4793-4813.	4.9	21
4	What Makes a Firstâ€Magnitude Spring?: Global Sensitivity Analysis of a Speleogenesis Model to Gain Insight into Karst Network and Spring Genesis. Water Resources Research, 2018, 54, 7417-7434.	4.2	8
5	Future irrigation expansion outweigh groundwater recharge gains from climate change in semi-arid India. Science of the Total Environment, 2018, 635, 725-740.	8.0	27
6	Performance of the SUBSTOR-potato model across contrasting growing conditions. Field Crops Research, 2017, 202, 57-76.	5.1	75
7	Current and future groundwater withdrawals: Effects, management and energy policy options for a semi-arid Indian watershed. Advances in Water Resources, 2017, 110, 459-475.	3.8	30
8	Nitrate reduction mechanisms and rates in an unconfined eogenetic karst aquifer in two sites with different redox potential. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 1062-1077.	3.0	34
9	Generation of complex karstic conduit networks with a hydrochemical model. Water Resources Research, 2017, 53, 6993-7011.	4.2	26
10	Sensitivity of future continental United States water deficit projections to general circulation models, the evapotranspiration estimation method, and the greenhouse gas emission scenario. Hydrology and Earth System Sciences, 2016, 20, 3245-3261.	4.9	2
11	Bi-decadal groundwater level trends in a semi-arid south indian region: Declines, causes and management. Journal of Hydrology: Regional Studies, 2016, 8, 43-58.	2.4	41
12	Seasonal Prediction of Regional Reference Evapotranspiration Based on Climate Forecast System Version 2. Journal of Hydrometeorology, 2014, 15, 1166-1188.	1.9	31
13	Statistical Downscaling Multimodel Forecasts for Seasonal Precipitation and Surface Temperature over the Southeastern United States. Journal of Climate, 2014, 27, 8384-8411.	3.2	29
14	Hydrologic implications of errors in bias-corrected regional reanalysis data for west central Florida. Journal of Hydrology, 2014, 510, 513-529.	5.4	23
15	Assessment of Alternative Methods for Statistically Downscaling Daily GCM Precipitation Outputs to Simulate Regional Streamflow. Journal of the American Water Resources Association, 2014, 50, 1010-1032.	2.4	18
16	Insights on geologic and vegetative controls over hydrologic behavior of a large complex basin â€“ Global Sensitivity Analysis of an integrated parallel hydrologic model. Journal of Hydrology, 2014, 519, 2238-2257.	5.4	30
17	Improved hydrograph prediction through subsurface characterization: conditional stochastic hillslope simulations. Hydrogeology Journal, 2014, 22, 1329-1343.	2.1	4
18	Characterization of groundwater and surface water mixing in a semiconfined karst aquifer using timeâ€lapse electrical resistivity tomography. Water Resources Research, 2014, 50, 2566-2585.	4.2	41

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19	From rainfall to spring discharge: Coupling conduit flow, subsurface matrix flow and surface flow in karst systems using a discreteâ€“continuum model. Advances in Water Resources, 2013, 61, 29-41.	3.8	55
20	A particle-tracking scheme for simulating pathlines in coupled surface-subsurface flows. Advances in Water Resources, 2013, 52, 7-18.	3.8	25
21	Assessment of the utility of dynamically-downscaled regional reanalysis data to predict streamflow in west central Florida using an integrated hydrologic model. Regional Environmental Change, 2013, 13, 69-80.	2.9	24
22	Development and comparative evaluation of a stochastic analog method to downscale daily GCM precipitation. Hydrology and Earth System Sciences, 2013, 17, 4481-4502.	4.9	48
23	Visualization of conduitâ€matrix conductivity differences in a karst aquifer using timeâ€lapse electrical resistivity. Geophysical Research Letters, 2012, 39, .	4.0	24
24	Impact of Assimilating Passive Microwave Observations on Root-Zone Soil Moisture Under Dynamic Vegetation Conditions. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 4279-4291.	6.3	12
25	Identifying irrigation and nitrogen best management practices for sweet corn production on sandy soils using CERES-Maize model. Agricultural Water Management, 2012, 109, 61-70.	5.6	50
26	Evaluation of Sweet Corn Yield and Nitrogen Leaching with CERES-Maize Considering Input Parameter Uncertainties. Transactions of the ASABE, 2011, 54, 1257-1268.	1.1	20
27	Particle Filter-based assimilation algorithms for improved estimation of root-zone soil moisture under dynamic vegetation conditions. Advances in Water Resources, 2011, 34, 433-447.	3.8	36
28	Quantitative Spatiotemporal Evaluation of Dynamically Downscaled MM5 Precipitation Predictions over the Tampa Bay Region, Florida. Journal of Hydrometeorology, 2011, 12, 1447-1464.	1.9	23
29	Hydrologic and biotic influences on nitrate removal in a subtropical springâ€fed river. Limnology and Oceanography, 2010, 55, 249-263.	3.1	47
30	A comparison of storm-based and annual-based indices of hydrologic variability: a case study in Fort Benning, Georgia. Environmental Monitoring and Assessment, 2010, 167, 297-307.	2.7	5
31	A Scalable Approach to Fusing Spatiotemporal Data to Estimate Streamflow via a Bayesian Network. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 3720-3732.	6.3	13
32	Effect of simultaneous stateâ€“parameter estimation and forcing uncertainties on root-zone soil moisture for dynamic vegetation using EnKF. Advances in Water Resources, 2010, 33, 468-484.	3.8	36
33	Influence of likelihood function choice for estimating crop model parameters using the generalized likelihood uncertainty estimation method. Agricultural Systems, 2010, 103, 256-264.	6.1	165
34	Applying GLUE for Estimating CERES-Maize Genetic and Soil Parameters for Sweet Corn Production. Transactions of the ASABE, 2009, 52, 1907-1921.	1.1	67
35	Integrating stochastic models and in situ sampling for monitoring soil carbon sequestration. Agricultural Systems, 2007, 94, 52-62.	6.1	14
36	Relationships between military land use and storm-based indices of hydrologic variability. Ecological Indicators, 2007, 7, 553-564.	6.3	3

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37	The WATERS Network: An Integrated Environmental Observatory Network for Water Research. Environmental Science & Technology, 2007, 41, 6642-6647.	10.0	40
38	Using Magnetic Susceptibility to Delineate Hydric Soils in Southeastern Coastal Plain Soils. Soil Horizons, 2007, 48, 32.	0.3	4
39	Evaluating Ecological Condition Using Soil Biogeochemical Parameters and Near Infrared Reflectance Spectra. Environmental Monitoring and Assessment, 2006, 116, 427-457.	2.7	13
40	Daily potential evapotranspiration and diurnal climate forcings: influence on the numerical modelling of soil water dynamics and evapotranspiration. Journal of Hydrology, 2005, 309, 39-52.	5.4	41
41	STORM RUNOFF PREDICTION BASED ON A SPATIALLY DISTRIBUTED TRAVEL TIME METHOD UTILIZING REMOTE SENSING AND GIS. Journal of the American Water Resources Association, 2004, 40, 863-879.	2.4	55
42	Best Nitrogen and Irrigation Management Practices for Citrus Production in Sandy Soils. Water, Air, and Soil Pollution, 2003, 143, 139-154.	2.4	42
43	Estimation and Prediction of Hydrogeochemical Parameters Using Extended Kalman Filtering. , 2002, , 327-363.		3
44	On the applicability of analytical methods for estimating solute travel time statistics in nonuniform groundwater flow. Water Resources Research, 2001, 37, 2303-2308.	4.2	19
45	Spatial characterization of a hydrogeochemically heterogeneous aquifer using partitioning tracers: Optimal estimation of aquifer parameters. Water Resources Research, 2001, 37, 2049-2063.	4.2	11
46	Partitioning tracer transport in a hydrogeochemically heterogeneous aquifer. Water Resources Research, 2001, 37, 2037-2048.	4.2	4
47	Solute transport through a heterogeneous coupled vadose-saturated zone system with temporally random rainfall. Water Resources Research, 2001, 37, 1577-1588.	4.2	52
48	Enhancing Land Cover Mapping using Landsat Derived Surface Temperature and NDVI. , 2001, , 1.		5
49	Landsat Imagery in Runoff Volume Estimation. , 2001, , 1.		0
50	Stochastic analysis of transient flow in unsaturated heterogeneous soils. Water Resources Research, 2000, 36, 891-910.	4.2	37
51	Stochastic analysis of transport in unsaturated heterogeneous soils uder transient flow regimes. Water Resources Research, 2000, 36, 911-921.	4.2	33
52	Estimation of spatially variable residual nonaqueous phase liquid saturations in nonuniform flow fields using partitioning tracer data. Water Resources Research, 2000, 36, 999-1012.	4.2	30
53	Transport of bromide in an entisol and its dissipation in a surficial aquifer*. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 1999, 34, 585-604.	1.7	2
54	Numerical approximation of head and flux covariances in three dimensions using mixed finite elements. Advances in Water Resources, 1999, 22, 729-740.	3.8	9

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55	Stochastic analysis of solute transport in heterogeneous aquifers subject to spatiotemporal random recharge. Water Resources Research, 1999, 35, 953-971.	4.2	24
56	Injection mode implications for solute transport in porous media: Analysis in a stochastic Lagrangian Framework. Water Resources Research, 1999, 35, 1965-1973.	4.2	59
57	Prediction of local concentration statistics in variably saturated soils: Influence of observation scale and comparison with field data. Journal of Contaminant Hydrology, 1998, 32, 177-199.	3.3	14
58	Stochastic analysis of solute transport in heterogeneous aquifers subject to spatially random recharge. Journal of Hydrology, 1998, 206, 16-38.	5.4	22
59	Partitioning Tracers for Measuring Residual NAPL: Field-Scale Test Results. Journal of Environmental Engineering, ASCE, 1998, 124, 498-503.	1.4	125
60	Evaluation of in situ cosolvent flushing dynamics using a network of spatially distributed multilevel samplers. Water Resources Research, 1998, 34, 2191-2202.	4.2	37
61	Impact of Nitrogen Management Practices on Nutritional Status and Yield of Valencia Orange Trees and Groundwater Nitrate. Journal of Environmental Quality, 1998, 27, 904-910.	2.0	48
62	Field-scale evaluation of in situ cosolvent flushing for enhanced aquifer remediation. Water Resources Research, 1997, 33, 2673-2686.	4.2	139
63	Optimal estimation of residual non-aqueous phase liquid saturations using partitioning tracer concentration data. Water Resources Research, 1997, 33, 2621-2636.	4.2	44
64	The influence of observation method on local concentration statistics in the subsurface. Water Resources Research, 1997, 33, 663-676.	4.2	26
65	Solute Transport Through an Integrated Heterogeneous Soil-Groundwater System. Water Resources Research, 1995, 31, 1935-1944.	4.2	70
66	Optimal estimation of spatially variable recharge and transmissivity fields under steady-state groundwater flow. Part 1. Theory. Journal of Hydrology, 1994, 157, 247-266.	5.4	16
67	Optimal estimation of spatially variable recharge and transmissivity fields under steady-state groundwater flow. Part 2. Case study. Journal of Hydrology, 1994, 157, 267-285.	5.4	7
68	Development of an optimal control system for maintaining minimum groundwater levels. Water Resources Research, 1994, 30, 3171-3181.	4.2	14
69	Comparison of univariate and transfer function models of groundwater fluctuations. Water Resources Research, 1993, 29, 3517-3533.	4.2	54
70	Forecasting piezometric head levels in the Floridan Aquifer: A Kalman Filtering Approach. Water Resources Research, 1993, 29, 3791-3800.	4.2	13
71	A stochastic model of solute transport in groundwater: Application to the Borden, Ontario, Tracer Test. Water Resources Research, 1991, 27, 1345-1359.	4.2	56
72	Reply [to â€œComment on â€˜Stochastic analysis of nonstationary subsurface solute transport: 1. Unconditional momentsâ€™ by W. Graham and D. McLaughlinâ€¦. Water Resources Research, 1990, 26, 1851-1853.	4.2	1

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73	Stochastic analysis of nonstationary subsurface solute transport: 1. Unconditional moments. Water Resources Research, 1989, 25, 215-232.	4.2	229
74	Stochastic analysis of nonstationary subsurface solute transport: 2. Conditional moments. Water Resources Research, 1989, 25, 2331-2355.	4.2	154
75	A Comparison of Numerical Solution Techniques for the Stochastic Analysis of Nonstationary, Transient, Subsurface Mass Transport. Developments in Water Science, 1988, 35, 191-196.	0.1	6