

Terri S Hogue

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

2,420
citations

201575
27
h-index

233338
45
g-index

92
all docs

92
docs citations

92
times ranked

2999
citing authors

#	ARTICLE	IF	CITATIONS
1	Intercomparison of Rain Gauge, Radar, and Satellite-Based Precipitation Estimates with Emphasis on Hydrologic Forecasting. <i>Journal of Hydrometeorology</i> , 2005, 6, 497-517.	0.7	217
2	Improving Spatial Soil Moisture Representation Through Integration of AMSR-E and MODIS Products. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2012, 50, 446-460.	2.7	135
3	A Multistep Automatic Calibration Scheme for River Forecasting Models. <i>Journal of Hydrometeorology</i> , 2000, 1, 524-542.	0.7	134
4	Evaluation and Transferability of the Noah Land Surface Model in Semiarid Environments. <i>Journal of Hydrometeorology</i> , 2005, 6, 68-84.	0.7	119
5	Spatial and temporal controls on post-fire hydrologic recovery in Southern California watersheds. <i>Catena</i> , 2011, 87, 240-252.	2.2	83
6	Operational snow modeling: Addressing the challenges of an energy balance model for National Weather Service forecasts. <i>Journal of Hydrology</i> , 2008, 360, 48-66.	2.3	79
7	Post-fire water-quality response in the western United States. <i>International Journal of Wildland Fire</i> , 2018, 27, 203.	1.0	75
8	Characterizing parameter sensitivity and uncertainty for a snow model across hydroclimatic regimes. <i>Advances in Water Resources</i> , 2011, 34, 114-127.	1.7	66
9	Stormwater contaminant loading following southern California wildfires. <i>Environmental Toxicology and Chemistry</i> , 2012, 31, 2625-2638.	2.2	62
10	Assessing the feasibility of using produced water for irrigation in Colorado. <i>Science of the Total Environment</i> , 2018, 640-641, 619-628.	3.9	61
11	Incorporating an Urban Irrigation Module into the Noah Land Surface Model Coupled with an Urban Canopy Model. <i>Journal of Hydrometeorology</i> , 2014, 15, 1440-1456.	0.7	60
12	Evaluating model performance and parameter behavior for varying levels of land surface model complexity. <i>Water Resources Research</i> , 2006, 42, .	1.7	53
13	Evaluation of a MODIS-Based Potential Evapotranspiration Product at the Point Scale. <i>Journal of Hydrometeorology</i> , 2008, 9, 444-460.	0.7	52
14	A "User-Friendly" approach to parameter estimation in hydrologic models. <i>Journal of Hydrology</i> , 2006, 320, 202-217.	2.3	49
15	Evaluation of Groundwater Levels in the Arapahoe Aquifer Using Spatiotemporal Regression Kriging. <i>Water Resources Research</i> , 2019, 55, 2820-2837.	1.7	48
16	Characterization and evaluation of controls on post-fire streamflow response across western US watersheds. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 1221-1237.	1.9	43
17	Decision Making on the Gray-Green Stormwater Infrastructure Continuum. <i>Journal of Sustainable Water in the Built Environment</i> , 2019, 5, .	0.9	41
18	Modeling Postfire Response and Recovery using the Hydrologic Engineering Center Hydrologic Modeling System (HEC-HMS). <i>Journal of the American Water Resources Association</i> , 2009, 45, 702-714.	1.0	38

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19	Integrating hydrologic modeling and land use projections for evaluation of hydrologic response and regional water supply impacts in semi-arid environments. <i>Environmental Earth Sciences</i> , 2012, 65, 1671-1685.	1.3	38
20	Biochar-augmented biofilters to improve pollutant removal from stormwater – can they improve receiving water quality?. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 1520-1537.	1.2	37
21	Wildfire, water, and society: Toward integrative research in the “Anthropocene”. <i>Anthropocene</i> , 2016, 16, 16-27.	1.6	34
22	Occurrence of Urban-Use Pesticides and Management with Enhanced Stormwater Control Measures at the Watershed Scale. <i>Environmental Science & Technology</i> , 2019, 53, 3634-3644.	4.6	34
23	A Comparison of the Triangle Retrieval and Variational Data Assimilation Methods for Surface Turbulent Flux Estimation. <i>Journal of Hydrometeorology</i> , 2005, 6, 1063-1072.	0.7	32
24	Evaluating the factors responsible for post-fire water quality response in forests of the western USA. <i>International Journal of Wildland Fire</i> , 2019, 28, 769.	1.0	32
25	Multiple Pathways to Bacterial Load Reduction by Stormwater Best Management Practices: Trade-Offs in Performance, Volume, and Treated Area. <i>Environmental Science & Technology</i> , 2018, 52, 6370-6379.	4.6	30
26	Climate signal propagation in southern California aquifers. <i>Water Resources Research</i> , 2010, 46, .	1.7	29
27	The economic value of local water supplies in Los Angeles. <i>Nature Sustainability</i> , 2018, 1, 289-297.	11.5	29
28	Corruption of parameter behavior and regionalization by model and forcing data errors: A Bayesian example using the SNOW17 model. <i>Water Resources Research</i> , 2011, 47, .	1.7	28
29	Assessment of SWE data assimilation for ensemble streamflow predictions. <i>Journal of Hydrology</i> , 2014, 519, 2737-2746.	2.3	27
30	Distributed Hydrologic Modeling Using Satellite-Derived Potential Evapotranspiration. <i>Journal of Hydrometeorology</i> , 2015, 16, 129-146.	0.7	27
31	Are you watering your lawn?. <i>Science</i> , 2015, 348, 1319-1320.	6.0	26
32	Linking hydrology and stream geochemistry in urban fringe watersheds. <i>Journal of Hydrology</i> , 2008, 360, 31-47.	2.3	24
33	Downscaling SMAP and SMOS soil moisture with moderate-resolution imaging spectroradiometer visible and infrared products over southern Arizona. <i>Journal of Applied Remote Sensing</i> , 2017, 11, 026021.	0.6	24
34	Evaluation of a MODIS triangle-based evapotranspiration algorithm for semi-arid regions. <i>Journal of Applied Remote Sensing</i> , 2013, 7, 073493.	0.6	23
35	Greening up stormwater infrastructure: Measuring vegetation to establish context and promote cobenefits in a diverse set of US cities. <i>Urban Forestry and Urban Greening</i> , 2020, 48, 126548.	2.3	23
36	GIP-SWMM: A new Green Infrastructure Placement Tool coupled with SWMM. <i>Journal of Environmental Management</i> , 2021, 277, 111409.	3.8	23

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37	Stormwater control impacts on runoff volume and peak flow: A meta-analysis of watershed modelling studies. <i>Hydrological Processes</i> , 2020, 34, 3134-3152.	1.1	22
38	Snow Model Verification Using Ensemble Prediction and Operational Benchmarks. <i>Journal of Hydrometeorology</i> , 2008, 9, 1402-1415.	0.7	21
39	Evapotranspiration Estimates Derived Using Multi-Platform Remote Sensing in a Semiarid Region. <i>Remote Sensing</i> , 2017, 9, 184.	1.8	20
40	High-Resolution Modeling of Infill Development Impact on Stormwater Dynamics in Denver, Colorado. <i>Journal of Sustainable Water in the Built Environment</i> , 2018, 4, .	0.9	20
41	Wildfire impacts on water quality, macroinvertebrate, and trout populations in the Upper Rio Grande. <i>Forest Ecology and Management</i> , 2019, 453, 117636.	1.4	19
42	Increased water yield and altered water partitioning follow wildfire in a forested catchment in the western United States. <i>Ecohydrology</i> , 2020, 13, e2170.	1.1	18
43	A geospatial approach for estimating hydrological connectivity of impervious surfaces. <i>Journal of Hydrology</i> , 2020, 591, 125545.	2.3	18
44	Site-Scale Integrated Decision Support Tool (i-DSTss) for Stormwater Management. <i>Water (Switzerland)</i> , 2019, 11, 2022.	1.2	17
45	Adapting Urban Water Systems to Manage Scarcity in the 21st Century: The Case of Los Angeles. <i>Environmental Management</i> , 2019, 63, 293-308.	1.2	17
46	Evaluating the Impacts of Stormwater Management on Streamflow Regimes in the Los Angeles River. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2019, 145, .	1.3	15
47	Active-Passive Surface Water Classification: A New Method for High-Resolution Monitoring of Surface Water Dynamics. <i>Geophysical Research Letters</i> , 2019, 46, 4694-4704.	1.5	15
48	Urban Streamflow Response to Imported Water and Water Conservation Policies in Los Angeles, California. <i>Journal of the American Water Resources Association</i> , 2017, 53, 626-640.	1.0	14
49	Investigating Tradeoffs of Green to Grey Stormwater Infrastructure Using a Planning-Level Decision Support Tool. <i>Water (Switzerland)</i> , 2020, 12, 2005.	1.2	14
50	Advancing Precipitation Estimation, Prediction, and Impact Studies. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E1584-E1592.	1.7	14
51	Urban Irrigation Suppresses Land Surface Temperature and Changes the Hydrologic Regime in Semi-Arid Regions. <i>Water (Switzerland)</i> , 2018, 10, 1563.	1.2	13
52	Hydrologic Regime Changes in a High-Latitude Glacierized Watershed under Future Climate Conditions. <i>Water (Switzerland)</i> , 2018, 10, 128.	1.2	13
53	Evaluating Pre- and Post-Fire Peak Discharge Predictions across Western U.S. Watersheds. <i>Journal of the American Water Resources Association</i> , 2014, 50, 1540-1557.	1.0	12
54	Assessing resilience of a dual drainage urban system to redevelopment and climate change. <i>Journal of Hydrology</i> , 2021, 596, 126101.	2.3	11

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55	Water Use for Hydraulic Fracturing of Oil and Gas in the South Platte River Basin, Colorado. Journal of the American Water Resources Association, 2017, 53, 839-853.	1.0	10
56	Predicting Parcel-Scale Redevelopment Using Linear and Logistic Regression—the Berkeley Neighborhood Denver, Colorado Case Study. Sustainability, 2019, 11, 1882.	1.6	10
57	Assessing the effects of climate change on urban watersheds: a review and call for future research. Environmental Reviews, 2022, 30, 61-71.	2.1	10
58	Reading the Green Landscape: Public Attitudes toward Green Stormwater Infrastructure and the Perceived Nonmonetary Value of Its Co-Benefits in Three US Cities. Journal of Sustainable Water in the Built Environment, 2021, 7, .	0.9	10
59	Regional and global hydrology and water resources issues: The role of international and national programs. Aquatic Sciences, 2002, 64, 317-327.	0.6	9
60	Case Studies of a MODIS-Based Potential Evapotranspiration Input to the Sacramento Soil Moisture Accounting Model. Journal of Hydrometeorology, 2017, 18, 151-158.	0.7	9
61	SWMM Sensitivity to LID Siting and Routing Parameters: Implications for Stormwater Regulatory Compliance. Journal of the American Water Resources Association, 2020, 56, 790-809.	1.0	9
62	Impact of lateral flow and spatial scaling on the simulation of semi-arid urban land surfaces in an integrated hydrologic and land surface model. Hydrological Processes, 2016, 30, 1192-1207.	1.1	8
63	A Bayesian hierarchical model for multiple imputation of urban spatio-temporal groundwater levels. Statistics and Probability Letters, 2019, 144, 44-51.	0.4	8
64	Assessment of Groundwater Depletion and Implications for Management in the Denver Basin Aquifer System. Journal of the American Water Resources Association, 2019, 55, 1130-1148.	1.0	8
65	Stormwater Management Options and Decision-Making in Urbanized Watersheds of Los Angeles, California. Journal of Sustainable Water in the Built Environment, 2020, 6, .	0.9	8
66	Seasonal controls on stream chemical export across diverse coastal watersheds in the USA. Hydrological Processes, 2013, 27, 1440-1453.	1.1	7
67	California's New Normal? Recurring Drought: Addressing Winners and Losers. Local Environment, 2015, 20, 850-854.	1.1	7
68	Enhancement of a Parsimonious Water Balance Model to Simulate Surface Hydrology in a Glacierized Watershed. Journal of Geophysical Research F: Earth Surface, 2018, 123, 1116-1132.	1.0	7
69	Regionalization of Default Parameters for Urban Stormwater Quality Models. Journal of the American Water Resources Association, 2020, 56, 995-1009.	1.0	7
70	Assessing Satellite and Ground-Based Potential Evapotranspiration for Hydrologic Applications in the Colorado River Basin. Journal of the American Water Resources Association, 2016, 52, 48-66.	1.0	6
71	An integrated statistical and deterministic hydrologic model for analyzing trace organic contaminants in commercial and high-density residential stormwater runoff. Science of the Total Environment, 2019, 673, 656-667.	3.9	6
72	Chemical flushing from an urban-fringe watershed: hydrologic and riparian soil dynamics. Environmental Earth Sciences, 2014, 72, 879-889.	1.3	5

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73	A Rainwater Harvesting Accounting Tool for Water Supply Availability in Colorado. Water (Switzerland), 2019, 11, 2205.	1.2	5
74	Satellites to Sprinklers: Assessing the Role of Climate and Land Cover Change on Patterns of Urban Outdoor Water Use. Water Resources Research, 2021, 57, e2020WR027587.	1.7	5
75	Simulating the thermal impact of substrate temperature on ecological restoration in shallow urban rivers. Journal of Environmental Management, 2021, 289, 112560.	3.8	5
76	Balancing water reuse and ecological support goals in an effluent dominated river. Journal of Hydrology X, 2022, 15, 100124.	0.8	5
77	Adequacy of Linear Models for Estimating Stormwater Best Management Practice Treatment Performance. Journal of Sustainable Water in the Built Environment, 2020, 6, .	0.9	4
78	Incorporating a Multiple-Benefit Analysis into a Stormwater Decision-Support Tool at Planning Level. Journal of Sustainable Water in the Built Environment, 2021, 7, .	0.9	4
79	Evaluation of a Distributed Streamflow Forecast Model at Multiple Watershed Scales. Water (Switzerland), 2020, 12, 1279.	1.2	3
80	A Site-Scale Tool for Performance-Based Design of Stormwater Best Management Practices. Water (Switzerland), 2021, 13, 844.	1.2	3
81	Dilution and Pollution: Assessing the Impacts of Water Reuse and Flow Reduction on Water Quality in the Los Angeles River Basin. ACS ES&T Water, 2022, 2, 1309-1319.	2.3	3
82	California Drought – What is Different Today?. Journal of Extreme Events, 2015, 02, 1502002.	1.2	2
83	Urban irrigation in the modeling of a semi-arid urban environment: Ballona Creek watershed, Los Angeles, California. Hydrological Sciences Journal, 2020, 65, 1344-1357.	1.2	2
84	Building to conserve: Quantifying the outdoor water savings of residential redevelopment in Denver, Colorado. Landscape and Urban Planning, 2021, 214, 104178.	3.4	2
85	Thermal Suitability of the Los Angeles River for Cold Water Resident and Migrating Fish Under Physical Restoration Alternatives. Frontiers in Environmental Science, 2022, 9, .	1.5	2
86	Raspy-Cal: A Genetic Algorithm-Based Automatic Calibration Tool for HEC-RAS Hydraulic Models. Water (Switzerland), 2021, 13, 3061.	1.2	1
87	Improving the Decision-Making Process for Stormwater Management Using Life-Cycle Costs and a Benefit Analysis. Journal of Sustainable Water in the Built Environment, 2022, 8, .	0.9	1
88	Forest fire mobilization and uptake of metals by biota temporarily exacerbates impacts of legacy mining. Science of the Total Environment, 2022, , 155034.	3.9	1
89	A vision for Water Resources Research. Water Resources Research, 2017, 53, 4530-4532.	1.7	0
90	Appreciation for <i>Water Resources Research</i> Reviewers. Water Resources Research, 2018, 54, 7114-7137.	1.7	0