

Theodore A Endreny

List of Publications by Year in descending order

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Version: 2024-02-01

91
papers

1,977
citations

304602

22
h-index

289141

40
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98
all docs

98
docs citations

98
times ranked

2273
citing authors

#	ARTICLE	IF	CITATIONS
1	Variation in estimates of heat-related mortality reduction due to tree cover in U.S. cities. <i>Journal of Environmental Management</i> , 2022, 301, 113751.	3.8	12
2	Loss of street trees predicted to cause 6000L/tree increase in leaf-on stormwater runoff for Great Lakes urban sewershed. <i>Urban Forestry and Urban Greening</i> , 2022, 74, 127649.	2.3	4
3	Modeling lives saved from extreme heat by urban tree cover. <i>Ecological Modelling</i> , 2021, 449, 109553.	1.2	17
4	Interacting drivers and their tradeoffs for predicting denitrification potential across a strong urban to rural gradient within heterogeneous landscapes. <i>Journal of Environmental Management</i> , 2021, 294, 113021.	3.8	4
5	Real Estate Values and Ecosystem Services: Correlation Levels. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 802-810.	0.5	2
6	A 3D analysis of spatial habitat metrics about the confluence of Negro and Solimões rivers, Brazil. <i>Ecohydrology</i> , 2020, 13, e2166.	1.1	29
7	A model to integrate urban river thermal cooling in river restoration. <i>Journal of Environmental Management</i> , 2020, 258, 110023.	3.8	35
8	Leverage Points Used in a Systems Approach of River and River Basin Restoration. <i>Water (Switzerland)</i> , 2020, 12, 2606.	1.2	1
9	Tree Cover Is Unevenly Distributed Across Cities Globally, With Lowest Levels Near Highway Pollution Sources. <i>Frontiers in Sustainable Cities</i> , 2020, 2, .	1.2	5
10	The Straightening of a River Meander Leads to Extensive Losses in Flow Complexity and Ecosystem Services. <i>Water (Switzerland)</i> , 2020, 12, 1680.	1.2	15
11	Dynamic Evapotranspiration Alters Hyporheic Flow and Residence Times in the Intrameander Zone. <i>Water (Switzerland)</i> , 2020, 12, 424.	1.2	2
12	Characterization of Hyporheic Exchange Drivers and Patterns within a Low-Gradient, First-Order, River Confluence during Low and High Flow. <i>Water (Switzerland)</i> , 2020, 12, 649.	1.2	12
13	i-Tree cool river: An open source, freeware tool to simulate river water temperature coupled with HEC-RAS. <i>MethodsX</i> , 2020, 7, 100808.	0.7	7
14	Generating electricity with urban green infrastructure microbial fuel cells. <i>Journal of Cleaner Production</i> , 2020, 263, 121337.	4.6	7
15	Real Estate Values, Tree Cover, and Per-Capita Income: An Evaluation of the Interdependencies in Buffalo City (NY). <i>Lecture Notes in Computer Science</i> , 2020, , 913-926.	1.0	12
16	Valuing Urban Tree Impacts on Precipitation Partitioning. , 2020, , 253-268.		11
17	Reduced Soil Macropores and Forest Cover Reduce Warm-Season Baseflow below Ecological Thresholds in the Upper Delaware River Basin. <i>Journal of the American Water Resources Association</i> , 2019, 55, 1268-1287.	1.0	4
18	A River Temperature Model to Assist Managers in Identifying Thermal Pollution Causes and Solutions. <i>Water (Switzerland)</i> , 2019, 11, 1060.	1.2	27

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19	Bioindicators as a tool in environmental impact assessment: Cyanobacteria as a sentinel of pollution. <i>International Journal of Sustainable Development and Planning</i> , 2019, 14, 1-8.	0.3	4
20	Aerosol pollution, including eroded soils, intensifies cloud growth, precipitation, and soil erosion: A review. <i>Journal of Cleaner Production</i> , 2018, 189, 135-144.	4.6	17
21	Strategically growing the urban forest will improve our world. <i>Nature Communications</i> , 2018, 9, 1160.	5.8	153
22	Preface to the <i>Hydrological processes in urban environments: Updates on urbanization, naturalization and climate change</i> Special Issue. <i>Hydrological Processes</i> , 2018, 32, 3572-3575.	1.1	1
23	Environmental Data Acquisition, Elaboration and Integration: Preliminary Application to a Vulnerable Mountain Landscape and Village (Novalesa, NW Italy). <i>Engineering</i> , 2018, 4, 635-642.	3.2	2
24	Atmospheric Rivers Carry Nonmonsoon Extreme Precipitation Into Nepal. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 5901-5912.	1.2	32
25	Remote sensing for environmental forensics: Thermal infrared images capture different surface temperatures in pollutant pools and dosed soils due to volatilization. <i>Environmental Forensics</i> , 2017, 18, 101-109.	1.3	5
26	Hydraulic complexity at a large river confluence in the Amazon basin. <i>Ecohydrology</i> , 2017, 10, e1863.	1.1	44
27	Implementing and managing urban forests: A much needed conservation strategy to increase ecosystem services and urban wellbeing. <i>Ecological Modelling</i> , 2017, 360, 328-335.	1.2	116
28	Effects of extreme floods on macroinvertebrate assemblages in tributaries to the Mohawk River, New York, <sc>USA</sc>. <i>River Research and Applications</i> , 2017, 33, 1060-1070.	0.7	14
29	Where to plant urban trees? A spatially explicit methodology to explore ecosystem service tradeoffs. <i>Landscape and Urban Planning</i> , 2017, 157, 457-467.	3.4	95
30	Characterization of Terrestrial Discharges into Coastal Waters with Thermal Imagery from a Hierarchical Monitoring Program. <i>Water (Switzerland)</i> , 2017, 9, 500.	1.2	11
31	Weighting Nitrogen and Phosphorus Pixel Pollutant Loads to Represent Runoff and Buffering Likelihoods. <i>Journal of the American Water Resources Association</i> , 2016, 52, 336-349.	1.0	7
32	Application of advection-diffusion routing model to flood wave propagation: A case study on Big Piney River, Missouri USA. <i>Journal of Earth Science (Wuhan, China)</i> , 2016, 27, 9-14.	1.1	3
33	Quantifying the environmental impact of pollutant plumes from coastal rivers with remote sensing and river basin modelling. <i>International Journal of Sustainable Development and Planning</i> , 2016, 11, 651-662.	0.3	14
34	Streambed and water profile response to inâ€channel restoration structures in a laboratory meandering stream. <i>Water Resources Research</i> , 2015, 51, 9312-9324.	1.7	6
35	A Comparison of Hyporheic Transport at a Crossâ€Vane Structure and Natural Riffle. <i>Ground Water</i> , 2015, 53, 859-871.	0.7	17
36	Simulating the effect of flow path roughness to examine how green infrastructure restores urban runoff timing and magnitude. <i>Urban Forestry and Urban Greening</i> , 2015, 14, 361-367.	2.3	9

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37	Simulating Double-Peak Hydrographs from Single Storms over Mixed-Use Watersheds. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015, 20, 06015003.	0.8	4
38	River Surface Water Topography Mapping at Sub-Millimeter Resolution and Precision With Close Range Photogrammetry: Laboratory Scale Application. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2014, 7, 602-608.	2.3	11
39	Analysis of Daily Peaking and Runoff River Operations with Flow Variability Metrics, Considering Subdaily to Seasonal Time Scales. <i>Journal of the American Water Resources Association</i> , 2014, 50, 1622-1640.	1.0	21
40	Comparing MODFLOW simulation options for predicting intra-meander flux. <i>Hydrological Processes</i> , 2014, 28, 3824-3832.	1.1	4
41	Detailed river stage mapping and head gradient analysis during meander cutoff in a laboratory river. <i>Water Resources Research</i> , 2014, 50, 1689-1703.	1.7	54
42	Spatial and temporal intensification of lateral hyporheic flux in narrowing intra-meander zones. <i>Hydrological Processes</i> , 2013, 27, 989-994.	1.1	14
43	Watershed hydrograph model based on surface flow diffusion. <i>Water Resources Research</i> , 2013, 49, 507-516.	1.7	13
44	A physically based analytical spatial air temperature and humidity model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 10,449.	1.2	17
45	Natural channel design impacts on reach-scale transient storage. <i>Ecological Engineering</i> , 2013, 57, 380-392.	1.6	19
46	Surface water-groundwater interaction at restored streams and associated reference reaches. <i>Hydrological Processes</i> , 2013, 27, 3730-3746.	1.1	37
47	Reshaping of the hyporheic zone beneath river restoration structures: Flume and hydrodynamic experiments. <i>Water Resources Research</i> , 2013, 49, 5009-5020.	1.7	42
48	Methods for assessing stormwater management at archaeological sites: Copan Ruins case study. <i>Journal of Archaeological Science</i> , 2012, 39, 2637-2642.	1.2	4
49	Bioretention Column Study of Bacteria Community Response to Salt-Enriched Artificial Stormwater. <i>Journal of Environmental Quality</i> , 2012, 41, 1951-1959.	1.0	19
50	Meander hydrodynamics initiated by river restoration deflectors. <i>Hydrological Processes</i> , 2012, 26, 3378-3392.	1.1	20
51	Comment on "Munz M, Krause S, Tecklenburg C, Binley A. Reducing monitoring gaps at the aquifer-river interface by modelling groundwater-surfacewater exchange flow patterns. <i>Hydrological Processes</i> . DOI: 10.1002/hyp.8080". <i>Hydrological Processes</i> , 2012, 26, 1586-1588.	1.1	9
52	Hyporheic flow path response to hydraulic jumps at river steps: Flume and hydrodynamic models. <i>Water Resources Research</i> , 2011, 47, .	1.7	45
53	Hyporheic flow path response to hydraulic jumps at river steps: Hydrostatic model simulations. <i>Water Resources Research</i> , 2011, 47, .	1.7	20
54	Hydraulic analysis of river training cross-vanes as part of post-restoration monitoring. <i>Hydrology and Earth System Sciences</i> , 2011, 15, 2119-2126.	1.9	6

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55	iTree-Hydro: Snow Hydrology Update For The Urban Forest Hydrology Model1. Journal of the American Water Resources Association, 2011, 47, 1211-1218.	1.0	15
56	Seasonal variation in cascade-driven hyporheic exchange, northern Honduras. Hydrological Processes, 2011, 25, 1630-1646.	1.1	28
57	Envisioning ecological engineering education: An international survey of the educational and professional community. Ecological Engineering, 2010, 36, 570-578.	1.6	9
58	Improving Estimates of Simulated Runoff Quality and Quantity Using Road-Enhanced Land Cover Data. Journal of Hydrologic Engineering - ASCE, 2009, 14, 346-351.	0.8	13
59	Generating robust rainfall intensity-duration-frequency estimates with short-record satellite data. Journal of Hydrology, 2009, 371, 182-191.	2.3	70
60	Hyporheic exchange flow around constructed in-channel structures and implications for restoration design. Hydrological Processes, 2009, 23, 1158-1168.	1.1	87
61	Ancient eco-technology of qanats for engineering a sustainable water supply in the Mediterranean Island of Cyprus. Environmental Geology, 2009, 57, 249-257.	1.2	4
62	Implications of bioretention basin spatial arrangements on stormwater recharge and groundwater mounding. Ecological Engineering, 2009, 35, 670-677.	1.6	92
63	Naturalizing urban watershed hydrology to mitigate urban heat-island effects. Hydrological Processes, 2008, 22, 461-463.	1.1	9
64	Mechanistic Simulation of Tree Effects in an Urban Water Balance Model ¹ . Journal of the American Water Resources Association, 2008, 44, 75-85.	1.0	139
65	Estimating recharge rates for qanat-based water supply in northern Cyprus: a case study using remotely sensed and in-situ data. Urban Water Journal, 2008, 5, 161-171.	1.0	7
66	Adding Radar Rainfall and Calibration to the TR-20 Watershed Model to Improve Dam Removal Flood Analysis. Journal of Water Resources Planning and Management - ASCE, 2008, 134, 314-317.	1.3	3
67	Estimation of Channel Bankfull Occurrence from Instantaneous Discharge Data. Journal of Hydrologic Engineering - ASCE, 2007, 12, 524-531.	0.8	27
68	The error and bias of supplementing a short, arid climate, rainfall record with regional vs. global frequency analysis. Journal of Hydrology, 2007, 334, 174-182.	2.3	7
69	Monitoring soil moisture and water table height with a low-cost data logger. Computers and Geosciences, 2006, 32, 135-140.	2.0	13
70	Power function decay of hydraulic conductivity for a TOPMODEL-based infiltration routine. Hydrological Processes, 2006, 20, 3825-3834.	1.1	19
71	Increasing Stormwater Outfall Duration, Magnitude, and Volume through Combined Sewer Separation. Journal of Hydrologic Engineering - ASCE, 2006, 11, 472-481.	0.8	7
72	An object oriented approach to the description and simulation of watershed scale hydrologic processes. Computers and Geosciences, 2005, 31, 425-435.	2.0	21

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73	Robustness of pollutant loading estimators for sample size reduction in a suburban watershed. International Journal of River Basin Management, 2005, 3, 53-66.	1.5	6
74	A flexible modeling package for topographically based watershed hydrology. Journal of Hydrology, 2005, 314, 78-91.	2.3	23
75	Assessing Geomorphic, Ecological and Social Benefits of Bankfull Flow in Onondaga Creeks Urban Channel. , 2005, , 1.		0
76	Storm water management for society and nature via service learning, ecological engineering and ecohydrology. International Journal of Water Resources Development, 2004, 20, 445-462.	1.2	14
77	Hydrograph sensitivity to estimates of map impervious cover: a WinHSPF BASINS case study. Hydrological Processes, 2003, 17, 1019-1034.	1.1	18
78	WATERSHED WEIGHTING OF EXPORT COEFFICIENTS TO MAP CRITICAL PHOSPHOROUS LOADING AREAS. Journal of the American Water Resources Association, 2003, 39, 165-181.	1.0	44
79	Maximizing spatial congruence of observed and DEM-delineated overland flow networks. International Journal of Geographical Information Science, 2003, 17, 699-713.	2.2	37
80	Policy to coordinate watershed hydrological, social, and ecological needs: The HELP initiative. Water Resources Monograph, 2003, , 395-411.	1.0	0
81	Community participation and spatially distributed management in New York City's water supply. Water Resources Monograph, 2003, , 369-394.	1.0	0
82	U.N. hydrology initiative pairs societal needs with science. Eos, 2002, 83, 592.	0.1	1
83	BASINS toolkit for hydrological monitoring, modelling, and assessment. Hydrological Processes, 2002, 16, 1331-1335.	1.1	5
84	Scientist and Policy-Maker Response Types and Times in Suburban Watersheds. Environmental Management, 2002, 29, 729-735.	1.2	6
85	Representing elevation uncertainty in runoff modelling and flowpath mapping. Hydrological Processes, 2001, 15, 2223-2236.	1.1	34
86	Satellite-derived digital elevation model accuracy: hydrogeomorphological analysis requirements. Hydrological Processes, 2000, 14, 1-20.	1.1	32
87	Satellite-derived digital elevation model accuracy: hydrological modelling requirements. Hydrological Processes, 2000, 14, 177-194.	1.1	15
88	Correction of errors in SPOT-Derived DEM's using GTOPO30 data. IEEE Transactions on Geoscience and Remote Sensing, 2000, 38, 1234-1241.	2.7	3
89	Distributed Watershed Modeling of Design Storms to Identify Nonpoint Source Loading Areas. Journal of Environmental Quality, 1999, 28, 388-397.	1.0	13
90	A DECISION SUPPORT SYSTEM FOR WATER QUALITY DATA AUGMENTATION: A CASE STUDY1. Journal of the American Water Resources Association, 1999, 35, 363-377.	1.0	2

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91	Manipulating HSPF to Simulate Pollutant Transport in Suburban Systems. , 0, , .		0