

Daniel P Ames

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

2,105
citations

304368

22
h-index

253896

43
g-index

78
all docs

78
docs citations

78
times ranked

2816
citing authors

#	ARTICLE	IF	CITATIONS
1	An Open-Source Web Application for Regional Analysis of GRACE Groundwater Data and Engaging Stakeholders in Groundwater Management. <i>Journal of the American Water Resources Association</i> , 2022, 58, 1002-1016.	1.0	14
2	SABER: A Model-Agnostic Postprocessor for Bias Correcting Discharge from Large Hydrologic Models. <i>Hydrology</i> , 2022, 9, 113.	1.3	5
3	A Streamflow Bias Correction and Performance Evaluation Web Application for GEOGloWS ECMWF Streamflow Services. <i>Hydrology</i> , 2021, 8, 71.	1.3	16
4	Design and development of a web-based EPANET model catalogue and execution environment. <i>Annals of GIS</i> , 2021, 27, 247-260.	1.4	6
5	Introducing an Open-Source Regional Water Quality Data Viewer Tool to Support Research Data Access. <i>Hydrology</i> , 2021, 8, 91.	1.3	4
6	Water Data Explorer: An Open-Source Web Application and Python Library for Water Resources Data Discovery. <i>Water (Switzerland)</i> , 2021, 13, 1850.	1.2	6
7	The Grids Python Tool for Querying Spatiotemporal Multidimensional Water Data. <i>Water (Switzerland)</i> , 2021, 13, 2066.	1.2	7
8	Interoperability engine design for model sharing and reuse among OpenMI, BMI and OpenGMS-IS model standards. <i>Environmental Modelling and Software</i> , 2021, 144, 105164.	1.9	10
9	Tethys App Store: Simplifying deployment of web applications for the international GEOGloWS initiative. <i>Environmental Modelling and Software</i> , 2021, 146, 105227.	1.9	9
10	Position paper: Open web-distributed integrated geographic modelling and simulation to enable broader participation and applications. <i>Earth-Science Reviews</i> , 2020, 207, 103223.	4.0	87
11	Groundwater Level Mapping Tool: An open source web application for assessing groundwater sustainability. <i>Environmental Modelling and Software</i> , 2020, 131, 104782.	1.9	38
12	Exploiting Earth Observation Data to Impute Groundwater Level Measurements with an Extreme Learning Machine. <i>Remote Sensing</i> , 2020, 12, 2044.	1.8	15
13	A systems approach to routing global gridded runoff through local high-resolution stream networks for flood early warning systems. <i>Environmental Modelling and Software</i> , 2019, 120, 104501.	1.9	23
14	Simplifying the deployment of OGC web processing services (WPS) for environmental modelling – Introducing Tethys WPS Server. <i>Environmental Modelling and Software</i> , 2019, 115, 38-50.	1.9	18
15	Introductory overview: Error metrics for hydrologic modelling – A review of common practices and an open source library to facilitate use and adoption. <i>Environmental Modelling and Software</i> , 2019, 119, 32-48.	1.9	86
16	A framework for characterising and evaluating the effectiveness of environmental modelling. <i>Environmental Modelling and Software</i> , 2019, 118, 83-98.	1.9	54
17	Effective modeling for Integrated Water Resource Management: A guide to contextual practices by phases and steps and future opportunities. <i>Environmental Modelling and Software</i> , 2019, 116, 40-56.	1.9	76
18	Hydrologic Modeling as a Service (HMaaS): A New Approach to Address Hydroinformatic Challenges in Developing Countries. <i>Frontiers in Environmental Science</i> , 2019, 7, .	1.5	24

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19	Enabling Stakeholder Decision-Making With Earth Observation and Modeling Data Using Tethys Platform. <i>Frontiers in Environmental Science</i> , 2019, 7, .	1.5	13
20	Design and development of a service-oriented wrapper system for sharing and reusing distributed geoanalysis models on the web. <i>Environmental Modelling and Software</i> , 2019, 111, 498-509.	1.9	44
21	Cyberinfrastructure and Web Apps for Managing and Disseminating the National Water Model. <i>Journal of the American Water Resources Association</i> , 2018, 54, 859-871.	1.0	16
22	Hydrostats: A Python Package for Characterizing Errors between Observed and Predicted Time Series. <i>Hydrology</i> , 2018, 5, 66.	1.3	28
23	Using crowdsourced and weather station data to fill cloud gaps in MODIS snow cover datasets. <i>Environmental Modelling and Software</i> , 2017, 95, 258-270.	1.9	15
24	Comprehensive and Quality-Controlled Bedload Transport Database. <i>Journal of Hydraulic Engineering</i> , 2017, 143, .	0.7	11
25	MapWindow GIS. , 2017, , 1177-1177.		0
26	Environmental Modeling Using Open Source Tools. , 2017, , 539-545.		0
27	Web Feature Service (WFS) and Web Map Service (WMS). , 2017, , 2485-2488.		0
28	Bayesian Network Integration with GIS. , 2017, , 101-108.		0
29	A recipe for standards-based data sharing using open source software and low-cost electronics. <i>Journal of Hydroinformatics</i> , 2016, 18, 185-197.	1.1	16
30	A High-Resolution National-Scale Hydrologic Forecast System from a Global Ensemble Land Surface Model. <i>Journal of the American Water Resources Association</i> , 2016, 52, 950-964.	1.0	47
31	Extending HydroShare to enable hydrologic time series data as social media. <i>Journal of Hydroinformatics</i> , 2016, 18, 198-209.	1.1	8
32	Political efficacy and familiarity as predictors of attitudes towards electric transmission lines in the United States. <i>Energy Research and Social Science</i> , 2016, 17, 127-134.	3.0	9
33	A new open source platform for lowering the barrier for environmental web app development. <i>Environmental Modelling and Software</i> , 2016, 85, 11-26.	1.9	66
34	A New Open-Access HUC-Based Downscaled CMIP5 Climate Model Forecast Dataset for the Conterminous United States. <i>Journal of the American Water Resources Association</i> , 2016, 52, 906-915.	1.0	1
35	Bayesian Network Integration with GIS. , 2016, , 1-8.		1
36	Extracting Snow Cover Time Series Data from Open Access Web Mapping Tile Services. <i>Journal of the American Water Resources Association</i> , 2016, 52, 916-932.	1.0	6

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37	Comparison between sprinkler irrigation and natural rainfall based on droplet diameter. Spanish Journal of Agricultural Research, 2016, 14, e1201.	0.3	13
38	MapWindow GIS. , 2016, , 1-2.		0
39	Web Feature Service (WFS) and Web Map Service (WMS). , 2016, , 1-3.		3
40	Environmental Modeling Using Open Source Tools. , 2016, , 1-7.		0
41	Economic Analysis Approach for Identifying Optimal Microirrigation Uniformity. Journal of Irrigation and Drainage Engineering - ASCE, 2015, 141, 04015002.	0.6	9
42	Introducing a Low-Head Dam Fatality Database and Internet Information Portal. Journal of the American Water Resources Association, 2015, 51, 1453-1459.	1.0	8
43	A review of open source software solutions for developing water resources web applications. Environmental Modelling and Software, 2015, 67, 108-117.	1.9	72
44	WaterML R package for managing ecological experiment data on a CUAHSI HydroServer. Ecological Informatics, 2015, 28, 19-28.	2.3	22
45	Using GIS analytics and social preference data to evaluate utility-scale solar power site suitability. Renewable Energy, 2015, 81, 825-836.	4.3	120
46	Software framework for inverse modeling and uncertainty characterization. Environmental Modelling and Software, 2015, 66, 98-109.	1.9	10
47	Large-scale analytical water quality model coupled with GIS for simulation of point sourced pollutant discharges. Environmental Modelling and Software, 2015, 64, 58-71.	1.9	36
48	Hydrologic impacts of climate and land-use change on Namnam Stream in Koycegiz Watershed, Turkey. International Journal of Environmental Science and Technology, 2015, 12, 1481-1494.	1.8	19
49	Mobile, Low-Cost, and Large-Scale Immersive Data Visualization Environment for Civil Engineering Applications. Journal of Computing in Civil Engineering, 2015, 29, .	2.5	2
50	Watershed model parameter estimation and uncertainty in data-limited environments. Environmental Modelling and Software, 2014, 51, 84-93.	1.9	48
51	What is the effect of LiDAR-derived DEM resolution on large-scale watershed model results?. Environmental Modelling and Software, 2014, 58, 48-57.	1.9	76
52	Quantitative Methods for Comparing Different Polyline Stream Network Models. Journal of Geographic Information System, 2014, 06, 88-98.	0.3	12
53	HydroServer Lite as an open source solution for archiving and sharing environmental data for independent university labs. Ecological Informatics, 2013, 18, 171-177.	2.3	23
54	HydroDesktop: Web services-based software for hydrologic data discovery, download, visualization, and analysis. Environmental Modelling and Software, 2012, 37, 146-156.	1.9	142

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55	Considerations for Implementing OGC WMS and WFS Specifications in a Desktop GIS. Journal of Geographic Information System, 2012, 04, 161-167.	0.3	8
56	Technical assessment and evaluation of environmental models and software: Letter to the Editor. Environmental Modelling and Software, 2011, 26, 328-336.	1.9	64
57	Design and Development of Web Services for Accessing Free Hydrological Data from the Czech Republic. IFIP Advances in Information and Communication Technology, 2011, , 581-588.	0.5	6
58	Open-Source Tools for Environmental Modeling. , 2011, , 597-619.		1
59	Using the Newly-created ILE DBMS to Better Represent Temporal and Historical GIS Data. Transactions in GIS, 2010, 14, 39-58.	1.0	10
60	Application of Vegetation Indices for Agricultural Crop Yield Prediction Using Neural Network Techniques. Remote Sensing, 2010, 2, 673-696.	1.8	259
61	GIS-Enabled Desktop Software Development Pardigms. , 2009, , .		3
62	Evaluation and Implementation of the OGC Web Processing Service for Use in Client-Side GIS. Geoinformatica, 2009, 13, 109-120.	2.0	46
63	Estimation of stream channel geometry in Idaho using GIS-derived watershed characteristics. Environmental Modelling and Software, 2009, 24, 444-448.	1.9	35
64	A suggestion for a data structure for temporal GIS. , 2009, , .		4
65	Developing Total Maximum Daily Loads Under Uncertainty: Decision Analysis and the Margin of Safety. Journal of Contemporary Water Research and Education, 2008, 140, 37-52.	0.7	12
66	Chapter Ten Free and Open Source Geospatial Tools for Environmental Modelling and Management. Developments in Integrated Environmental Assessment, 2008, 3, 163-180.	0.0	17
67	Evaluation of a Method for Estimating Irrigated Crop-Evapotranspiration Coefficients from Remotely Sensed Data in Idaho. Journal of Irrigation and Drainage Engineering - ASCE, 2008, 134, 722-729.	0.6	38
68	Web Feature Service (WFS) and Web Map Service (WMS). , 2008, , 1259-1261.		5
69	MapWindow GIS. , 2008, , 633-634.		9
70	Bayesian Network Integration with GIS. , 2008, , 39-45.		2
71	Environmental Modeling Using Open Source Tools. , 2008, , 275-279.		0
72	Estimating 7Q10 Confidence Limits from Data: A Bootstrap Approach. Journal of Water Resources Planning and Management - ASCE, 2006, 132, 204-208.	1.3	32

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73	Using Bayesian networks to model watershed management decisions: an East Canyon Creek case study. Journal of Hydroinformatics, 2005, 7, 267-282.	1.1	68
74	A Bayesian Decision Network Engine for Internet-Based Stakeholder Decision-Making. , 2001, , 1.		8
75	Advances in the Mapping of Flow Networks from Digital Elevation Data. , 2001, , 1.		76
76	A container-based approach for sharing environmental models as web services. International Journal of Digital Earth, 0, , 1-20.	1.6	8
77	Open geographic modeling. Annals of GIS, 0, , 1-3.	1.4	0