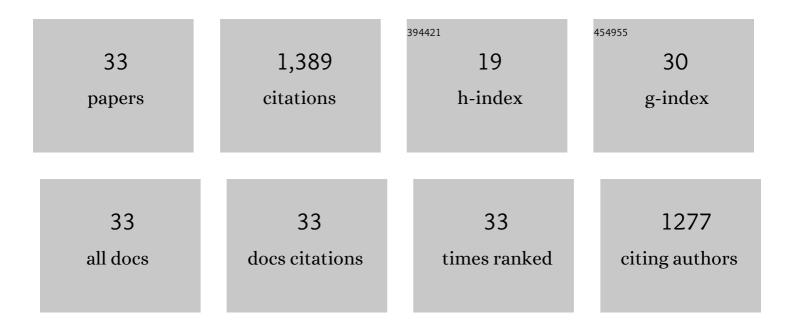
Amy McGovern

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/801944/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Why we need to focus on developing ethical, responsible, and trustworthy artificial intelligence approaches for environmental science. , 2022, 1, .		22
2	Outlook for Exploiting Artificial Intelligence in the Earth and Environmental Sciences. Bulletin of the American Meteorological Society, 2021, 102, E1016-E1032.	3.3	32
3	Using Machine Learning to Generate Storm-Scale Probabilistic Guidance of Severe Weather Hazards in the Warn-on-Forecast System. Monthly Weather Review, 2021, 149, 1535-1557.	1.4	16
4	CREST-iMAP v1.0: A fully coupled hydrologic-hydraulic modeling framework dedicated to flood inundation mapping and prediction. Environmental Modelling and Software, 2021, 141, 105051.	4.5	22
5	Calibration of Machine Learning–Based Probabilistic Hail Predictions for Operational Forecasting. Weather and Forecasting, 2020, 35, 149-168.	1.4	27
6	Climatology and Variability of Warm and Cold Fronts over North America from 1979 to 2018. Journal of Climate, 2020, 33, 6531-6554.	3.2	15
7	Deep Learning on Three-Dimensional Multiscale Data for Next-Hour Tornado Prediction. Monthly Weather Review, 2020, 148, 2837-2861.	1.4	43
8	Data Availability Principles and Practice. Weather and Forecasting, 2020, 35, 2217.	1.4	0
9	Development of a Probabilistic Subfreezing Road Temperature Nowcast and Forecast Using Machine Learning. Weather and Forecasting, 2020, 35, 1845-1863.	1.4	12
10	Automated detection of bird roosts using <scp>NEXRAD</scp> radar data and Convolutional Neural Networks. Remote Sensing in Ecology and Conservation, 2019, 5, 20-32.	4.3	33
11	Postprocessing Next-Day Ensemble Probabilistic Precipitation Forecasts Using Random Forests. Weather and Forecasting, 2019, 34, 2017-2044.	1.4	22
12	Quasi-Operational Testing of Real-Time Storm-Longevity Prediction via Machine Learning. Weather and Forecasting, 2019, 34, 1437-1451.	1.4	7
13	Deep Learning for Spatially Explicit Prediction of Synoptic-Scale Fronts. Weather and Forecasting, 2019, 34, 1137-1160.	1.4	64
14	Making the Black Box More Transparent: Understanding the Physical Implications of Machine Learning. Bulletin of the American Meteorological Society, 2019, 100, 2175-2199.	3.3	251
15	A Framework for Sustained Climate Assessment in the United States. Bulletin of the American Meteorological Society, 2019, 100, 897-907.	3.3	10
16	Evaluating Knowledge to Support Climate Action: A Framework for Sustained Assessment. Report of an Independent Advisory Committee on Applied Climate Assessment. Weather, Climate, and Society, 2019, 11, 465-487.	1.1	35
17	Classifying Convective Storms Using Machine Learning. Weather and Forecasting, 2019, 35, 537-559.	1.4	28
18	Evaluation of statistical learning configurations for gridded solar irradiance forecasting. Solar Energy, 2017, 150, 383-393.	6.1	30

AMY MCGOVERN

#	Article	IF	CITATIONS
19	Using Artificial Intelligence to Improve Real-Time Decision-Making for High-Impact Weather. Bulletin of the American Meteorological Society, 2017, 98, 2073-2090.	3.3	239
20	Storm-Based Probabilistic Hail Forecasting with Machine Learning Applied to Convection-Allowing Ensembles. Weather and Forecasting, 2017, 32, 1819-1840.	1.4	104
21	Machine Learning for Real-Time Prediction of Damaging Straight-Line Convective Wind. Weather and Forecasting, 2017, 32, 2175-2193.	1.4	60
22	Solar Energy Prediction: An International Contest to Initiate Interdisciplinary Research on Compelling Meteorological Problems. Bulletin of the American Meteorological Society, 2015, 96, 1388-1395.	3.3	25
23	An Automated, Multiparameter Dryline Identification Algorithm. Weather and Forecasting, 2015, 30, 1781-1794.	1.4	11
24	A Summary of the Twenty-Ninth AAAI Conference on Artificial Intelligence. Al Magazine, 2015, 36, 99-106.	1.6	0
25	Storm Evader: Using an iPad to Teach Kids about Meteorology and Technology. Bulletin of the American Meteorological Society, 2015, 96, 397-404.	3.3	2
26	Machine Learning Enhancement of Storm-Scale Ensemble Probabilistic Quantitative Precipitation Forecasts. Weather and Forecasting, 2014, 29, 1024-1043.	1.4	59
27	Enhancing understanding and improving prediction of severe weather through spatiotemporal relational learning. Machine Learning, 2014, 95, 27-50.	5.4	39
28	Enhanced spatiotemporal relational probability trees and forests. Data Mining and Knowledge Discovery, 2013, 26, 398-433.	3.7	9
29	Identifying predictive multi-dimensional time series motifs: an application to severe weather prediction. Data Mining and Knowledge Discovery, 2011, 22, 232-258.	3.7	79
30	Machine learning in space: extending our reach. Machine Learning, 2011, 84, 335-340.	5.4	19
31	Classification of Convective Areas Using Decision Trees. Journal of Atmospheric and Oceanic Technology, 2009, 26, 1341-1353.	1.3	46
32	Optimistic pruning for multiple instance learning. Pattern Recognition Letters, 2008, 29, 1252-1260.	4.2	4
33	Building a Basic Block Instruction Scheduler with Reinforcement Learning and Rollouts. Machine Learning, 2002, 49, 141-160.	5.4	24