

# Amin Kiaghadi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2253865/publications.pdf>

Version: 2024-02-01

20  
papers

371  
citations

1040056

9  
h-index

794594

19  
g-index

21  
all docs

21  
docs citations

21  
times ranked

445  
citing authors

#	ARTICLE	IF	CITATIONS
1	How Reliable Are ANN, ANFIS, and SVM Techniques for Predicting Longitudinal Dispersion Coefficient in Natural Rivers?. <i>Journal of Hydraulic Engineering</i> , 2016, 142, .	1.5	95
2	High temporal resolution rainfall-runoff modeling using long-short-term-memory (LSTM) networks. <i>Neural Computing and Applications</i> , 2021, 33, 1261-1278.	5.6	55
3	Physical, Chemical, and Microbial Quality of Floodwaters in Houston Following Hurricane Harvey. <i>Environmental Science &amp; Technology</i> , 2019, 53, 4832-4840.	10.0	42
4	Modeling geothermal energy efficiency from abandoned oil and gas wells to desalinate produced water. <i>Desalination</i> , 2017, 414, 51-62.	8.2	28
5	Exploring the best sequence LSTM modeling architecture for flood prediction. <i>Neural Computing and Applications</i> , 2021, 33, 5571-5580.	5.6	28
6	Assessing COVID-19 risk, vulnerability and infection prevalence in communities. <i>PLoS ONE</i> , 2020, 15, e0241166.	2.5	28
7	The presence of Superfund sites as a determinant of life expectancy in the United States. <i>Nature Communications</i> , 2021, 12, 1947.	12.8	19
8	Characterization of vulnerability of road networks to fluvial flooding using SIS network diffusion model. <i>Journal of Infrastructure Preservation and Resilience</i> , 2020, 1, .	3.2	19
9	Developing a Modeling Framework to Simulate Compound Flooding: When Storm Surge Interacts With Riverine Flow. <i>Frontiers in Climate</i> , 2021, 2, .	2.8	14
10	Development of a storm surge driven water quality model to simulate spills during hurricanes. <i>Marine Pollution Bulletin</i> , 2018, 129, 714-728.	5.0	9
11	Environmental damage associated with severe hydrologic events: a LiDAR-based geospatial modeling approach. <i>Natural Hazards</i> , 2020, 103, 2711-2729.	3.4	9
12	Natural attenuation of indicator bacteria in coastal streams and estuarine environments. <i>Science of the Total Environment</i> , 2019, 677, 230-240.	8.0	5
13	A New Algorithm for Land-Cover Classification Using PolSAR and InSAR Data and Its Application to Surface Roughness Mapping Along the Gulf Coast. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-15.	6.3	4
14	Simulation of potential formation of atmospheric pollution from aboveground storage tank leakage after severe storms. <i>Atmospheric Environment</i> , 2021, 248, 118225.	4.1	4
15	Modeling water quality impacts from hurricanes and extreme weather events in urban coastal systems using Sentinel-2 spectral data. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 307.	2.7	3
16	Examining longitudinal disparities in COVID-19 prevalence in the U.S.: a county level growth rate perspective. <i>Annals of Medicine</i> , 2022, 54, 1277-1286.	3.8	3
17	Sediment and their bacterial communities in an industrialized estuary after Hurricane Harvey. <i>Marine Pollution Bulletin</i> , 2022, 175, 113359.	5.0	2
18	Assessing Damages to Built and Natural Environments: Linking Hydrodynamic and Geospatial Enviro-Economical Models. <i>Frontiers in Climate</i> , 2021, 3, .	2.8	1

#	ARTICLE	IF	CITATIONS
19	Longitudinal patterns in sediment type and quality during daily flow regimes and following natural hazards in an urban estuary: a Hurricane Harvey retrospective. Environmental Science and Pollution Research, 2021, , 1.	5.3	1
20	A New Algorithm for Estimating Surface Roughness Using Interferometric Synthetic Aperture Radar (InSAR) Data. , 2020, , .		0