

Hatim O Sharif

List of Publications by Year in descending order

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79
papers

1,886
citations

236612

25
h-index

288905

40
g-index

80
all docs

80
docs citations

80
times ranked

1937
citing authors

#	ARTICLE	IF	CITATIONS
1	Geo-Locating and Identifying Wrong-Way Driving Entrance Points in Bexar County Highways by Implementing Mathematical Modeling and Land-Use Impact Assessment. <i>Sustainability</i> , 2022, 14, 33.	1.6	1
2	How Gender Affects Motor Vehicle Crashes: A Case Study from San Antonio, Texas. <i>Sustainability</i> , 2022, 14, 7023.	1.6	3
3	Physically-based, distributed hydrologic model for Makkah watershed using GPM satellite rainfall and ground rainfall stations. <i>Geomatics, Natural Hazards and Risk</i> , 2021, 12, 1234-1257.	2.0	10
4	The Performance of Physically Based and Conceptual Hydrologic Models: A Case Study for Makkah Watershed, Saudi Arabia. <i>Water (Switzerland)</i> , 2021, 13, 1098.	1.2	16
5	Time Series Analysis of Monthly and Annual Precipitation in The State of Texas Using High-Resolution Radar Products. <i>Water (Switzerland)</i> , 2021, 13, 982.	1.2	4
6	Towards Improving Transparency of Count Data Regression Models for Health Impacts of Air Pollution. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3375.	1.3	1
7	Performance Evaluation of IMERG GPM Products during Tropical Storm Imelda. <i>Atmosphere</i> , 2021, 12, 687.	1.0	13
8	Analysis of Intersection Traffic Safety in the City of San Antonio, 2013â€“2017. <i>Sustainability</i> , 2021, 13, 5296.	1.6	7
9	Spatiotemporal Variability of Chlorophyll-a and Sea Surface Temperature, and Their Relationship with Bathymetry over the Coasts of UAE. <i>Remote Sensing</i> , 2021, 13, 2447.	1.8	7
10	Analysis of Pedestrianâ€“Motor Vehicle Crashes in San Antonio, Texas. <i>Sustainability</i> , 2021, 13, 6610.	1.6	16
11	Development and Assessment of High-Resolution Radar-Based Precipitation Intensity-Duration-Curve (IDF) Curves for the State of Texas. <i>Remote Sensing</i> , 2021, 13, 2890.	1.8	9
12	Analysis of Flood Fatalities in the United States, 1959â€“2019. <i>Water (Switzerland)</i> , 2021, 13, 1871.	1.2	7
13	High-Resolution Spatiotemporal Trend Analysis of Precipitation Using Satellite-Based Products over the United Arab Emirates. <i>Water (Switzerland)</i> , 2021, 13, 2376.	1.2	10
14	Data- and Model-Based Discharge Hindcasting over a Subtropical River Basin. <i>Water (Switzerland)</i> , 2021, 13, 2560.	1.2	1
15	Analysis of Bicycle-Motor Vehicle Crashes in San Antonio, Texas. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 9220.	1.2	3
16	Effects of social vulnerability and heat index on emergency medical service incidents in San Antonio, Texas, in 2018. <i>Journal of Epidemiology and Community Health</i> , 2021, 75, jech-2019-213256.	2.0	11
17	Investigation of the Relationship between Rainfall and Fatal Crashes in Texas, 1994â€“2018. <i>Sustainability</i> , 2020, 12, 7976.	1.6	8
18	Vehicle-Related Flood Fatalities in Texas, 1959â€“2019. <i>Water (Switzerland)</i> , 2020, 12, 2884.	1.2	7

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19	Performance of the CMORPH and GPM IMERG Products over the United Arab Emirates. Remote Sensing, 2020, 12, 1426.	1.8	33
20	Spatio-Temporal Analysis of Precipitation Frequency in Texas Using High-Resolution Radar Products. Water (Switzerland), 2020, 12, 1378.	1.2	5
21	Land use/land cover change along the Eastern Coast of the UAE and its impact on flooding risk. Geomatics, Natural Hazards and Risk, 2020, 11, 112-130.	2.0	46
22	Effects of Spatial and Temporal Data Aggregation on the Performance of the Multi-Radar Multi-Sensor System. Journal of the American Water Resources Association, 2019, 55, 1492-1504.	1.0	2
23	Urban Intersections and Traffic Safety in the City of San Antonio. MATEC Web of Conferences, 2019, 271, 06003.	0.1	1
24	Brief Communication: Analysis of the Fatalities and Socio-Economic Impacts Caused by Hurricane Florence. Geosciences (Switzerland), 2019, 9, 58.	1.0	28
25	Coastal Runoff in the United Arab Emiratesâ€”The Hazard and Opportunity. Sustainability, 2019, 11, 5406.	1.6	18
26	Assessment of global precipitation measurement satellite products over Saudi Arabia. Journal of Hydrology, 2018, 559, 1-12.	2.3	79
27	Exploring rainfall impacts on the crash risk on Texas roadways: A crash-based matched-pairs analysis approach. Accident Analysis and Prevention, 2018, 117, 10-20.	3.0	30
28	Evaluation of the Global Precipitation Measurement (GPM) Satellite Rainfall Products over the Lower Colorado River Basin, Texas. Journal of the American Water Resources Association, 2018, 54, 882-898.	1.0	66
29	Hydrometeorology of the catastrophic Blanco river flood in South Texas, May 2015. Journal of Hydrology: Regional Studies, 2018, 15, 90-104.	1.0	12
30	Analysis of Damage Caused by Hydrometeorological Disasters in Texas, 1960â€”2016. Geosciences (Switzerland), 2018, 8, 384.	1.0	16
31	Assessment of the Performance of Satellite-Based Precipitation Products for Flood Events across Diverse Spatial Scales Using GSSHA Modeling System. Geosciences (Switzerland), 2018, 8, 191.	1.0	25
32	How Well Can Global Precipitation Measurement (GPM) Capture Hurricanes? Case Study: Hurricane Harvey. Remote Sensing, 2018, 10, 1150.	1.8	54
33	Fatalities Caused by Hydrometeorological Disasters in Texas. Geosciences (Switzerland), 2018, 8, 186.	1.0	19
34	Rainfall observations and assessment using vertically pointing radar and X-band radar. Journal of Hydroinformatics, 2017, 19, 538-557.	1.1	5
35	High-Resolution, Fully Distributed Hydrologic Event-Based Simulations Over a Large Watershed in Texas. Arabian Journal for Science and Engineering, 2017, 42, 1341-1357.	1.7	5
36	Estimating urban flooding potential near the outlet of an arid catchment in Saudi Arabia. Geomatics, Natural Hazards and Risk, 2017, 8, 672-688.	2.0	29

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37	Physically, Fully-Distributed Hydrologic Simulations Driven by GPM Satellite Rainfall over an Urbanizing Arid Catchment in Saudi Arabia. <i>Water (Switzerland)</i> , 2017, 9, 163.	1.2	26
38	An Ensemble Empirical Mode Decomposition, Self-Organizing Map, and Linear Genetic Programming Approach for Forecasting River Streamflow. <i>Water (Switzerland)</i> , 2016, 8, 247.	1.2	24
39	Flood analysis using HEC-RAS model: a case study for Hafr Al-Batin, Saudi Arabia. <i>E3S Web of Conferences</i> , 2016, 7, 04024.	0.2	1
40	A Methodology for Assessing Extreme Precipitation Trends Applied to Three South Texas Basins, 1898â€“2011. <i>Arabian Journal for Science and Engineering</i> , 2016, 41, 4945-4951.	1.1	2
41	Water quality modelling in the San Antonio River Basin driven by radar rainfall data. <i>Geomatics, Natural Hazards and Risk</i> , 2016, 7, 953-970.	2.0	9
42	Rainfall impacts on traffic safety: rain-related fatal crashes in Texas. <i>Geomatics, Natural Hazards and Risk</i> , 2016, 7, 843-860.	2.0	26
43	Flood hazards in an urbanizing watershed in Riyadh, Saudi Arabia. <i>Geomatics, Natural Hazards and Risk</i> , 2016, 7, 702-720.	2.0	61
44	Hydrometeorological Analysis of Tropical Storm Hermine and Central Texas Flash Flooding, September 2010. <i>Journal of Hydrometeorology</i> , 2015, 16, 2311-2327.	0.7	8
45	Modeling the Projected Changes of River Flow in Central Vietnam under Different Climate Change Scenarios. <i>Water (Switzerland)</i> , 2015, 7, 3579-3598.	1.2	15
46	Analysis and simulation of large erosion events at central Texas unit source watersheds. <i>Journal of Hydrology</i> , 2015, 527, 494-504.	2.3	14
47	Analysis of Flood Fatalities in Texas. <i>Natural Hazards Review</i> , 2015, 16, .	0.8	60
48	Hydrologic Simulations Driven by Satellite Rainfall to Study the Hydroelectric Development Impacts on River Flow. <i>Water (Switzerland)</i> , 2014, 6, 3631-3651.	1.2	11
49	Sensitivity of Distributed Hydrologic Simulations to Ground and Satellite Based Rainfall Products. <i>Water (Switzerland)</i> , 2014, 6, 1221-1245.	1.2	27
50	Precipitation Amount and Intensity Trends Across Southwest Saudi Arabia. <i>Journal of the American Water Resources Association</i> , 2014, 50, 74-82.	1.0	14
51	Mass-Conserving Remapping of Radar Data onto Two-Dimensional Cartesian Coordinates for Hydrologic Applications. <i>Journal of Hydrometeorology</i> , 2014, 15, 2190-2202.	0.7	8
52	Performance of a conceptual and physically based model in simulating the response of a semi-urbanized watershed in San Antonio, Texas. <i>Hydrological Processes</i> , 2013, 27, 3394-3408.	1.1	31
53	Validation of the NEXRAD DSP Product with a Dense Rain Gauge Network. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013, 18, 156-167.	0.8	6
54	Application of validation data for assessing spatial interpolation methods for 8-h ozone or other sparsely monitored constituents. <i>Environmental Pollution</i> , 2013, 178, 411-418.	3.7	27

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55	Physically Based Hydrological Modeling of the 2002 Floods in San Antonio, Texas. Journal of Hydrologic Engineering - ASCE, 2013, 18, 228-236.	0.8	17
56	A study to estimate the fate and transport of bacteria in river water from birds nesting under a bridge. Water Science and Technology, 2013, 68, 2568-2575.	1.2	0
57	Evaluation of a near-real time NEXRAD DSP product in evolution of heavy rain events on the Upper Guadalupe River Basin, Texas. Journal of Hydroinformatics, 2013, 15, 464-485.	1.1	4
58	Assessment of ice mapping system and moderate resolution imaging spectroradiometer snow cover maps over Colorado Plateau. Journal of Applied Remote Sensing, 2013, 7, 073540.	0.6	15
59	Hydrologic Trends and Correlations in South Texas River Basins: 1950â€“2009. Journal of Hydrologic Engineering - ASCE, 2013, 18, 1653-1662.	0.8	18
60	The Impact of Asynchronicity on Eventâ€“Flow Estimation in Basinâ€“Scale Hydrologic Model Calibration¹. Journal of the American Water Resources Association, 2013, 49, 300-318.	1.0	2
61	Epidemiologic implications of air pollutants in Houston, TX. , 2013, , .		0
62	Person-place-time analysis of vehicle fatalities caused by flash floods in Texas. Geomatics, Natural Hazards and Risk, 2012, 3, 311-323.	2.0	38
63	Physically Based, Hydrologic Model Results Based on Three Precipitation Products¹. Journal of the American Water Resources Association, 2012, 48, 1191-1203.	1.0	17
64	HydroViz: design and evaluation of a Web-based tool for improving hydrology education. Hydrology and Earth System Sciences, 2012, 16, 3767-3781.	1.9	25
65	Performance evaluation of interpolation methods for incorporating rain gauge measurements into NEXRAD precipitation data: a case study in the Upper Guadalupe River Basin. Hydrological Processes, 2011, 25, 3711-3720.	1.1	15
66	Application of a Distributed Hydrologic Model to the November 17, 2004, Flood of Bull Creek Watershed, Austin, Texas. Journal of Hydrologic Engineering - ASCE, 2010, 15, 651-657.	0.8	40
67	Hydrologic Modeling of an Extreme Flood in the Guadalupe River in Texas¹. Journal of the American Water Resources Association, 2010, 46, 881-891.	1.0	27
68	Motor Vehicle-Related Flood Fatalities in Texas, 1959â€“2008. Journal of Transportation Safety and Security, 2010, 2, 325-335.	1.1	17
69	Validating NEXRAD MPE and Stage III precipitation products for uniform rainfall on the Upper Guadalupe River Basin of the Texas Hill Country. Journal of Hydrology, 2008, 348, 73-86.	2.3	60
70	Contribution of soil moisture retrievals to land data assimilation products. Geophysical Research Letters, 2008, 35, .	1.5	79
71	Effect of Areal Averaging on Gauge-Radar Comparison. , 2008, , .		0
72	Multidecadal High-Resolution Hydrologic Modeling of the Arkansasâ€“Red River Basin. Journal of Hydrometeorology, 2007, 8, 1111-1127.	0.7	18

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73	The Use of an Automated Nowcasting System to Forecast Flash Floods in an Urban Watershed. Journal of Hydrometeorology, 2006, 7, 190-202.	0.7	55
74	Relevance of time-varying and time-invariant retrieval error sources on the utility of spaceborne soil moisture products. Geophysical Research Letters, 2005, 32, .	1.5	55
75	Statistical Analysis of Radar Rainfall Error Propagation. Journal of Hydrometeorology, 2004, 5, 199-212.	0.7	40
76	Numerical simulations of radar rainfall error propagation. Water Resources Research, 2002, 38, 15-1-15-14.	1.7	56
77	Reply [to "Comment on "On the calibration and verification of two-dimensional, distributed, Hortonian, continuous watershed models" by Sharika U. S. Senarath et al.]. Water Resources Research, 2001, 37, 3397-3400.	1.7	3
78	Hydrologic analysis of the Fort Collins, Colorado, flash flood of 1997. Journal of Hydrology, 2000, 228, 82-100.	2.3	187
79	On the calibration and verification of two-dimensional, distributed, Hortonian, continuous watershed models. Water Resources Research, 2000, 36, 1495-1510.	1.7	121