

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	Hydrologic analysis of the Fort Collins, Colorado, flash flood of 1997. Journal of Hydrology, 2000, 228, 82-100.	2.3	187
2	On the calibration and verification of two-dimensional, distributed, Hortonian, continuous watershed models. Water Resources Research, 2000, 36, 1495-1510.	1.7	121
3	Contribution of soil moisture retrievals to land data assimilation products. Geophysical Research Letters, 2008, 35, .	1.5	79
4	Assessment of global precipitation measurement satellite products over Saudi Arabia. Journal of Hydrology, 2018, 559, 1-12.	2.3	79
5	Evaluation of the Global Precipitation Measurement (<scp>GPM</scp>) Satellite Rainfall Products over the Lower Colorado River Basin, Texas. Journal of the American Water Resources Association, 2018, 54, 882-898.	1.0	66
6	Flood hazards in an urbanizing watershed in Riyadh, Saudi Arabia. Geomatics, Natural Hazards and Risk, 2016, 7, 702-720.	2.0	61
7	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
8	Analysis of Flood Fatalities in Texas. Natural Hazards Review, 2015, 16, .	0.8	60
9	Numerical simulations of radar rainfall error propagation. Water Resources Research, 2002, 38, 15-1-15-14.	1.7	56
10	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
11	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
12	How Well Can Global Precipitation Measurement (GPM) Capture Hurricanes? Case Study: Hurricane Harvey. Remote Sensing, 2018, 10, 1150.	1.8	54
13	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
14	Statistical Analysis of Radar Rainfall Error Propagation. Journal of Hydrometeorology, 2004, 5, 199-212.	0.7	40
15	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
16	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
17	Performance of the CMORPH and GPM IMERG Products over the United Arab Emirates. Remote Sensing, 2020, 12, 1426.	1.8	33
18	Performance of a conceptual and physically based model in simulating the response of a semi-urbanized watershed in San Antonio, Texas. Hydrological Processes, 2013, 27, 3394-3408.	1.1	31

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19	Exploring rainfall impacts on the crash risk on Texas roadways: A crash-based matched-pairs analysis approach. <i>Accident Analysis and Prevention</i> , 2018, 117, 10-20.	3.0	30
20	Estimating urban flooding potential near the outlet of an arid catchment in Saudi Arabia. <i>Geomatics, Natural Hazards and Risk</i> , 2017, 8, 672-688.	2.0	29
21	Brief Communication: Analysis of the Fatalities and Socio-Economic Impacts Caused by Hurricane Florence. <i>Geosciences (Switzerland)</i> , 2019, 9, 58.	1.0	28
22	Hydrologic Modeling of an Extreme Flood in the Guadalupe River in Texas. <i>Journal of the American Water Resources Association</i> , 2010, 46, 881-891.	1.0	27
23	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
24	Sensitivity of Distributed Hydrologic Simulations to Ground and Satellite Based Rainfall Products. <i>Water (Switzerland)</i> , 2014, 6, 1221-1245.	1.2	27
25	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
26	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
27	HydroViz: design and evaluation of a Web-based tool for improving hydrology education. <i>Hydrology and Earth System Sciences</i> , 2012, 16, 3767-3781.	1.9	25
28	Assessment of the Performance of Satellite-Based Precipitation Products for Flood Events across Diverse Spatial Scales Using CSHA Modeling System. <i>Geosciences (Switzerland)</i> , 2018, 8, 191.	1.0	25
29	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
30	Fatalities Caused by Hydrometeorological Disasters in Texas. <i>Geosciences (Switzerland)</i> , 2018, 8, 186.	1.0	19
31	Multidecadal High-Resolution Hydrologic Modeling of the Arkansasâ€“Red River Basin. <i>Journal of Hydrometeorology</i> , 2007, 8, 1111-1127.	0.7	18
32	Hydrologic Trends and Correlations in South Texas River Basins: 1950â€“2009. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013, 18, 1653-1662.	0.8	18
33	Coastal Runoff in the United Arab Emiratesâ€“The Hazard and Opportunity. <i>Sustainability</i> , 2019, 11, 5406.	1.6	18
34	Motor Vehicle-Related Flood Fatalities in Texas, 1959â€“2008. <i>Journal of Transportation Safety and Security</i> , 2010, 2, 325-335.	1.1	17
35	Physically Based, Hydrologic Model Results Based on Three Precipitation Products. <i>Journal of the American Water Resources Association</i> , 2012, 48, 1191-1203.	1.0	17
36	Physically Based Hydrological Modeling of the 2002 Floods in San Antonio, Texas. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013, 18, 228-236.	0.8	17

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37	Analysis of Damage Caused by Hydrometeorological Disasters in Texas, 1960â€“2016. <i>Geosciences (Switzerland)</i> , 2018, 8, 384.	1.0	16
38	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
39	Analysis of Pedestrianâ€“Motor Vehicle Crashes in San Antonio, Texas. <i>Sustainability</i> , 2021, 13, 6610.	1.6	16
40	Performance evaluation of interpolation methods for incorporating rain gauge measurements into NEXRAD precipitation data: a case study in the Upper Guadalupe River Basin. <i>Hydrological Processes</i> , 2011, 25, 3711-3720.	1.1	15
41	Assessment of ice mapping system and moderate resolution imaging spectroradiometer snow cover maps over Colorado Plateau. <i>Journal of Applied Remote Sensing</i> , 2013, 7, 073540.	0.6	15
42	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
43	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
44	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
45	Performance Evaluation of IMERG GPM Products during Tropical Storm Imelda. <i>Atmosphere</i> , 2021, 12, 687.	1.0	13
46	Hydrometeorology of the catastrophic Blanco river flood in South Texas, May 2015. <i>Journal of Hydrology: Regional Studies</i> , 2018, 15, 90-104.	1.0	12
47	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
48	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
49	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
50	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
51	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
52	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
53	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
54	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

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55	Investigation of the Relationship between Rainfall and Fatal Crashes in Texas, 1994â€“2018. Sustainability, 2020, 12, 7976.	1.6	8
56	Vehicle-Related Flood Fatalities in Texas, 1959â€“2019. Water (Switzerland), 2020, 12, 2884.	1.2	7
57	Analysis of Intersection Traffic Safety in the City of San Antonio, 2013â€“2017. Sustainability, 2021, 13, 5296.	1.6	7
58	Spatiotemporal Variability of Chlorophyll-a and Sea Surface Temperature, and Their Relationship with Bathymetry over the Coasts of UAE. Remote Sensing, 2021, 13, 2447.	1.8	7
59	Analysis of Flood Fatalities in the United States, 1959â€“2019. Water (Switzerland), 2021, 13, 1871.	1.2	7
60	Validation of the NEXRAD DSP Product with a Dense Rain Gauge Network. Journal of Hydrologic Engineering - ASCE, 2013, 18, 156-167.	0.8	6
61	Rainfall observations and assessment using vertically pointing radar and X-band radar. Journal of Hydroinformatics, 2017, 19, 538-557.	1.1	5
62	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
63	Spatio-Temporal Analysis of Precipitation Frequency in Texas Using High-Resolution Radar Products. Water (Switzerland), 2020, 12, 1378.	1.2	5
64	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
65	Time Series Analysis of Monthly and Annual Precipitation in The State of Texas Using High-Resolution Radar Products. Water (Switzerland), 2021, 13, 982.	1.2	4
66	Reply [to â€œComment on â€œOn the calibration and verification of two-dimensional, distributed, Hortonian, continuous watershed modelsâ€” by Sharika U. S. Senarath et al.â€]. Water Resources Research, 2001, 37, 3397-3400.	1.7	3
67	Analysis of Bicycle-Motor Vehicle Crashes in San Antonio, Texas. International Journal of Environmental Research and Public Health, 2021, 18, 9220.	1.2	3
68	How Gender Affects Motor Vehicle Crashes: A Case Study from San Antonio, Texas. Sustainability, 2022, 14, 7023.	1.6	3
69	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
70	A Methodology for Assessing Extreme Precipitation Trends Applied to Three South Texas Basins, 1898â€“2011. Arabian Journal for Science and Engineering, 2016, 41, 4945-4951.	1.1	2
71	Effects of Spatial and Temporal Data Aggregation on the Performance of the Multiâ€Radar Multiâ€Sensor System. Journal of the American Water Resources Association, 2019, 55, 1492-1504.	1.0	2
72	Flood analysis using HEC-RAS model: a case study for Hafr Al-Batin, Saudi Arabia. E3S Web of Conferences, 2016, 7, 04024.	0.2	1

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73	Urban Intersections and Traffic Safety in the City of San Antonio. MATEC Web of Conferences, 2019, 271, 06003.	0.1	1
74	Towards Improving Transparency of Count Data Regression Models for Health Impacts of Air Pollution. Applied Sciences (Switzerland), 2021, 11, 3375.	1.3	1
75	Data- and Model-Based Discharge Hindcasting over a Subtropical River Basin. Water (Switzerland), 2021, 13, 2560.	1.2	1
76	Geo-Locating and Identifying Wrong-Way Driving Entrance Points in Bexar County Highways by Implementing Mathematical Modeling and Land-Use Impact Assessment. Sustainability, 2022, 14, 33.	1.6	1
77	Effect of Areal Averaging on Gauge-Radar Comparison. , 2008, , .		0
78	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
79	Epidemiologic implications of air pollutants in Houston, TX. , 2013, , .		0