Haroon Stephen

List of Publications by Year
in descending order

42 papers	799 citations	686830 13 h-index	580395 25 g-index
43 all docs	43 docs citations	43 times ranked	980 citing authors

#	Article	IF	Citations
1	Estimating soil moisture using remote sensing data: A machine learning approach. Advances in Water Resources, 2010, 33, 69-80.	1.7	345
2	Relating TRMM precipitation radar land surface backscatter response to soil moisture in the Southern United States. Journal of Hydrology, 2011, 402, 115-125.	2.3	62
3	Relating TRMM Precipitation Radar backscatter to water stage in wetlands. Journal of Hydrology, 2011, 401, 240-249.	2.3	49
4	Isoscapes of $\delta^{18}O$ and $\delta^{2}H$ reveal climatic forcings on Alaska and Yukon precipitation. Water Resources Research, 2016, 52, 6575-6586.	1.7	31
5	Urban evapotranspiration of green spaces in arid regions through two established approaches: a review of key drivers, advancements, limitations, and potential opportunities. Urban Water Journal, 2021, 18, 115-127.	1.0	28
6	Impervious Surfaces Mapping at City Scale by Fusion of Radar and Optical Data through a Random Forest Classifier. Remote Sensing, 2021, 13, 3040.	1.8	24
7	Relating temperature trends to the normalized difference vegetation index in Las Vegas. GIScience and Remote Sensing, 2014, 51, 468-482.	2.4	21
8	Fusion of Sentinel-1 and Sentinel-2 data in mapping the impervious surfaces at city scale. Environmental Monitoring and Assessment, 2021, 193, 556.	1.3	20
9	A Framework for Environmental Monitoring with Arduino-Based Sensors Using Restful Web Service. , 2014, , .		19
10	Effect of land use change on summertime surface temperature, albedo, and evapotranspiration in Las Vegas Valley. Urban Climate, 2021, 39, 100966.	2.4	19
11	Climatic Change and Desert Vegetation Distribution: Assessing Thirty Years of Change in Southern Nevada's Mojave Desert. Professional Geographer, 2014, 66, 311-322.	1.0	17
12	GIS Framework for Spatiotemporal Mapping of Urban Flooding. Geosciences (Switzerland), 2019, 9, 77.	1.0	16
13	Land Surface Brightness Temperature Modeling Using Solar Insolation. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 491-498.	2.7	15
14	Modeled streamflow response under cloud seeding in the North Platte River watershed. Journal of Hydrology, 2011, 409, 305-314.	2.3	14
15	Evaluating Irrigation Performance and Water Productivity Using EEFlux ET and NDVI. Sustainability, 2021, 13, 7967.	1.6	14
16	Socio-economic drought assessment in Lake Mead, USA, based on a multivariate standardized water-scarcity index. Hydrological Sciences Journal, 2019, 64, 555-569.	1.2	13
17	Effects of two utility-scale solar energy plants on land-cover patterns using SMA of Thematic Mapper data. Renewable and Sustainable Energy Reviews, 2017, 67, 1139-1152.	8.2	11
18	Trend Analysis of Las Vegas Land Cover and Temperature Using Remote Sensing. Land, 2018, 7, 135.	1.2	10

#	Article	IF	Citations
19	Understanding the summertime warming in canyon and non-canyon surfaces. Urban Climate, 2021, 38, 100916.	2.4	9
20	Analysis of Changes in Surface Energy Fluxes Due to Urbanization in Las Vegas. , 2019, , .		8
21	School absenteeism is linked to household food insecurity in school catchment areas in Southern Nevada. Public Health Nutrition, 2021, 24, 5074-5080.	1.1	7
22	Distributed Hydrological Modeling for a Snow Dominant Watershed Using a Precipitation and Runoff Modeling System. , 2015, , .		6
23	Spatial and Temporal Behavior of Microwave Backscatter Directional Modulation Over the Saharan Ergs. IEEE Transactions on Geoscience and Remote Sensing, 2007, 45, 1164-1173.	2.7	5
24	Memorial Parking Trees: Resilient Modular Design with Nature-Based Solutions in Vulnerable Urban Areas. Land, 2021, 10, 298.	1.2	5
25	Monitoring of Total Dissolved Solids Using Remote Sensing Band Reflectance and Salinity Indices: A Case Study of the Imperial County Section, AZ-CA, of the Colorado River. , 2022, , .		5
26	Assessing Spatiotemporal Change in Land Cover and Total Dissolved Solids Concentration Using Remote Sensing Data. , 2021, , .		4
27	Assessing the Microclimate Effects and Irrigation Water Requirements of Mesic, Oasis, and Xeric Landscapes. Hydrology, 2022, 9, 104.	1.3	4
28	The Feasibility of a Land Ferry System to Reduce Highway Maintenance Cost and Associated Externalities. Scientific World Journal, The, 2016, 2016, 1-10.	0.8	3
29	Climatic and Topographic Control of the Stable Isotope Values of Rivers on the South Island of New Zealand. Paleoceanography and Paleoclimatology, 2021, 36, e2021PA004220.	1.3	3
30	The relationship between tree canopy and social capital on physical activity in college students. Journal of American College Health, 2023, 71, 1705-1714.	0.8	3
31	Analysis of Changes in Runoff Due to Land Cover Change. , 2020, , .		3
32	Impact of Precipitation and Agricultural Productivity on Groundwater Storage in Rahim Yar Khan District, Pakistan. , 2019, , .		2
33	Analysis of Suspended Material in Lake Mead Using Remote Sensing Indices. , 2021, , .		2
34	Optimizing diversity gain using uncoupled impedance matching with coupled antennas. , 2007, , .		1
35	Relating Urbanization and Irrigation Water Demand in Gujranwala District of Pakistan. , 2019, , .		1
36	On a cyberinfrastructure platform for multidisciplinary, data-intensive scientific research. , 2017, , .		0

#	Article	IF	Citations
37	Urban Heat Island Intensity Mapping of Las Vegas Using Landsat Thermal Infrared Data. , 2019, , .		0
38	Effectiveness of Retrofitting Low Impact Development in Parking Lots to Reduce Flooding. , 2020, , .		0
39	Assessing the Relationship between the Growth of Population and Crop Area with Depletion of Groundwater in Lower Bari Doab Canal. , 2021, , .		0
40	Estimation of Water Stage over Wetlands of South Florida Using TRMM Precipitation Radar Observations. , 2010, , .		0
41	Simulation of Snow Ablation Processes in the Upstream of Kunes River, Yili Valley, Xinjiang. , 2015, , .		0
42	A Review of Surface Water Discharge Measurement Methods Using Remote Sensing. , 2022, , .		0