# Muhammad Hasan Ali Baig

List of Publications by Year
in descending order



| 31 | 1,006 | 623734 14 | 677142 22 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 33 | 33 | 33 | 1460 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Twenty-first century hydrologic and climatic changes over the scarcely gauged Jhelum river basin of Himalayan region using SDSM and RCPs. Environmental Science and Pollution Research, 2022, 29, 11196-11208. | 5.3 | 10 |
| 2 | Patterns and causes of winter wheat and summer maize rotation area change over the North China Plain. Environmental Research Letters, 2022, 17, 044056. | 5.2 | 4 |
| 3 | Large-Scale Surface Water Mapping Based on Landsat and Sentinel-1 Images. Water (Switzerland), 2022, 14, 1454. | 2.7 | 22 |
| 4 | Hydrological ecosystem changes and impacts after the Zonag Lake outburst in Hoh Xil of Tibetan Plateau. Journal of Asian Earth Sciences: X, 2021, 6, 100064. | 0.9 | 2 |
| 5 | Winter Wheat Take-All Disease Index Estimation Model Based on Hyperspectral Data. Applied Sciences (Switzerland), 2021, 11, 9230. | 2.5 | 4 |
| 6 | Framework for Monitoring the Spatiotemporal Distribution and Clustering of Drought Characteristics in Hunan Province. Applied Sciences (Switzerland), 2021, 11, 11524. | 2.5 | 2 |
| 7 | Line matching of wide baseline images in an affine projection space. International Journal of Remote Sensing, 2020, 41, 632-654. | 2.9 | 7 |
| 8 | Assessing Meteorological and Agricultural Drought in Chitral Kabul River Basin Using Multiple Drought Indices. Remote Sensing, 2020, 12, 1417. | 4.0 | 20 |
| 9 | Assessment of forest cover and carbon stock changes in sub-tropical pine forest of Azad Jammu & Kashmir (AJK), Pakistan using multi-temporal Landsat satellite data and field inventory. PLoS ONE, 2020, 15, e0226341. | 2.5 | 12 |
| 10 | Exploring the potential of Sentinel-2A satellite data for aboveground biomass estimation in fragmented Himalayan subtropical pine forest. Journal of Mountain Science, 2020, 17, 2880-2896. | 2.0 | 8 |
| 11 | Biophysical effect of conversion from croplands to grasslands in water-limited temperate regions of China. Science of the Total Environment, 2019, 648, 315-324. | 8.0 | 28 |
| 12 | Mapping sugarcane in complex landscapes by integrating multi-temporal Sentinel-2 images and machine learning algorithms. Land Use Policy, 2019, 88, 104190. | 5.6 | 44 |
| 13 | Monitoring vegetation dynamics using the universal normalized vegetation index (UNVI): An optimized vegetation index-VIUPD. Remote Sensing Letters, 2019, 10, 629-638. | 1.4 | 22 |
| 14 | Time series of the Inland Surface Water Dataset in China (ISWDC) for 2000â€“2016 derived from MODIS archives. Earth System Science Data, 2019, 11, 1099-1108. | 9.9 | 24 |
| 15 | Evaluation of Spatial and Temporal Performances of ERA-Interim Precipitation and Temperature in Mainland China. Journal of Climate, 2018, 31, 4347-4365. | 3.2 | 87 |
| 16 | Estimating the area burned by agricultural fires from Landsat 8 Data using the Vegetation Difference Index and Burn Scar Index. International Journal of Wildland Fire, 2018, 27, 217. | 2.4 | 14 |
| 17 | Mapping of debris-covered glaciers in Astor basin: an object-based image analysis approach. , 2018, , . | | 1 |
| 18 | Understanding long-term (1982â€“2013) patterns and trends in winter wheat spring green-up date over the North China Plain. International Journal of Applied Earth Observation and Geoinformation, 2017, 57, 235-244. | 2.8 | 46 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Lake water surface mapping in the Tibetan Plateau using the MODIS MOD09Q1 product. Remote Sensing Letters, 2017, 8, 224-233. | 1.4 | 38 |
| 20 | Comparison of the Continuity of Vegetation Indices Derived from Landsat 8 OLI and Landsat 7 ETM+ Data among Different Vegetation Types. Remote Sensing, 2015, 7, 13485-13506. | 4.0 | 50 |
| 21 | A Simple Enhanced Water Index (EWI) for Percent Surface Water Estimation Using Landsat Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 90-97. | 4.9 | 48 |
| 22 | Calculating vegetation index based on the universal pattern decomposition method (VIUPD) using Landsat 8. , 2014, , . | | 1 |
| 23 | Water mapping through Universal Pattern Decomposition Method and Tasseled Cap Transformation. , 2014, , . | | 1 |
| 24 | Derivation of a tasselled cap transformation based on Landsat 8 at-satellite reflectance. Remote Sensing Letters, 2014, 5, 423-431. | 1.4 | 462 |
| 25 | Ensemble Learning with Multiple Classifiers and Polarimetric Features for Polarized SAR Image Classification. Photogrammetric Engineering and Remote Sensing, 2014, 80, 239-251. | 0.6 | 26 |
| 26 | COmparison of MNDWI and DFI for water mapping in flooding season. , 2013, , . | | 14 |
| 27 | Assessment of estimation methods for Chlorophyll-a through hyperspectral insitu data and multispectral landsat for Taihu lake. , 2013, , . | | 0 |
| 28 | A preliminary study on the application of remotely sensed SST in locating evaporation duct height. Proceedings of SPIE, 2012, , . | 0.8 | 0 |
| 29 | Using MODTRAN4 to build up a general look-up-table database for the atmospheric correction of hyperspectral imagery. , 2012, , . | | 2 |
| 30 | Automated detection of coastline using Landsat TM based on water index and edge detection methods. , 2012, , . | | 4 |
| 31 | WETLAND CHANGE DETECTION IN PROTECTED AND UNPROTECTED INDUS COASTAL AND INLAND DELTA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W7, 1495-1501. | 0.2 | 1 |