Alam Sher Bacha

List of Publications by Citations

25 papers	419 citations	12 h-index	20 g-index
27 ext. papers	566 ext. citations	2.6 avg, IF	4.56 L-index

#	Paper	IF	Citations
25	A review of the 2005 Kashmir earthquake-induced landslides; from a remote sensing prospective. *Journal of Asian Earth Sciences*, **2016**, 118, 68-80	2.8	48
24	A Spatial Multi-Criteria Analysis Approach for Locating Suitable Sites for Construction of Subsurface Dams in Northern Pakistan. *Water Resources Management*, **2014**, 28, 5157-5174	3.7	46
23	Landslide susceptibility assessment using Frequency Ratio, a case study of northern Pakistan. *Egyptian Journal of Remote Sensing and Space Science*, **2019**, 22, 11-24	3.4	40
22	Flood hazard assessment and mapping of River Swat using HEC-RAS 2D model and high-resolution 12-m TanDEM-X DEM (WorldDEM). *Natural Hazards*, **2019**, 97, 477-492	3	39
21	Spatial and temporal evolution of co-seismic landslides after the 2005 Kashmir earthquake. *Geomorphology*, **2020**, 362, 107228	4.3	32
20	Landslide inventory and susceptibility modelling using geospatial tools, in Hunza-Nagar valley, northern Pakistan. *Journal of Mountain Science*, **2018**, 15, 1354-1370	2.1	28
19	A Data-Driven Approach to Landslide-Susceptibility Mapping in Mountainous Terrain: Case Study from the Northwest Himalayas, Pakistan. *Natural Hazards Review*, **2018**, 19, 05018007	3.5	27
18	Geophysical and remote sensing-based approach to model regolith thickness in a data-sparse environment. *Catena*, **2011**, 87, 11-19	5.8	26
17	Spatial assessment of forest cover and land-use changes in the Hindu-Kush mountain ranges of northern Pakistan. *Journal of Mountain Science*, **2016**, 13, 1229-1237	2.1	19
16	An international program on Silk Road Disaster Risk Reduction Belt and Road initiative (2016–2020). *Journal of Mountain Science*, **2018**, 15, 1383-1396	2.1	18
15	Flood frequency analysis of river swat using Log Pearson type 3, Generalized Extreme Value, Normal, and Gumbel Max distribution methods. *Arabian Journal of Geosciences*, **2018**, 11, 1	1.8	18
14	Regolith modeling and its relation to earthquake induced building damage: A remote sensing approach. *Journal of Asian Earth Sciences*, **2011**, 42, 65-75	2.8	17
13	Evaluation of remote sensing-based seismic site characterization using earthquake damage data. *Terra Nova*, **2012**, 24, 123-129	3	9
12	Evaluating the impact of classification algorithms and spatial resolution on the accuracy of land cover mapping in a mountain environment in Pakistan. *Arabian Journal of Geosciences*, **2017**, 10, 1	1.8	8
11	Transferability of object-based image analysis approaches for landslide detection in the Himalaya Mountains of northern Pakistan. *International Journal of Remote Sensing*, **2020**, 41, 3390-3410	3.1	7
10	Regolith thickness modeling using a GIS approach for landslide distribution analysis, NW Himalayas. *Journal of Mountain Science*, **2018**, 15, 2466-2479	2.1	7
9	ASTER-based remote sensing investigation of gypsum in the Kohat Plateau, north Pakistan. *Carbonates and Evaporites*, **2020**, 35, 1	1.3	6

List of Publications

8	Landslide inventory and susceptibility assessment using multiple statistical approaches along the Karakoram highway, northern Pakistan. *Journal of Mountain Science*, **2021**, 18, 583-598	2.1	6
7	Evaluating glacier dynamics using temporal remote sensing images: a case study of Hunza Valley, northern Pakistan. *Environmental Earth Sciences*, **2018**, 77, 1	2.9	5
6	Applications of variogram modeling to electrical resistivity data for the occurrence and distribution of saline groundwater in Domail Plain, northwestern Himalayan fold and thrust belt, Pakistan. *Journal of Mountain Science*, **2017**, 14, 158-174	2.1	3
5	Impact of uncertainty in remote sensing DEMs on topographic amplification of seismic response and Vs 30. *Arabian Journal of Geosciences*, **2015**, 8, 2237-2245	1.8	3
4	Geology as a proxy for Vs30-based seismic site characterization, a case study of northern Pakistan. *Arabian Journal of Geosciences*, **2018**, 11, 1	1.8	3
3	Combining Landsat-8 spectral bands with ancillary variables for land cover classification in mountainous terrains of northern Pakistan. *Journal of Mountain Science*, **2021**, 18, 2388-2401	2.1	2
2	Scenario-based seismic hazard analysis using spectral element method in northeastern Pakistan. *Natural Hazards*, **2020**, 103, 2131-2144	3	1
1	Landslide assessment by using multi-temporal UAV datasets: a case study in northern Pakistan. *Arabian Journal of Geosciences*, **2021**, 14, 1	1.8	1