Alam Sher Bacha

List of Publications by Year
in descending order

25 papers	722 citations	686830 13 h-index	580395 25 g-index
27 all docs	27 docs citations	27 times ranked	762 citing authors

#	Article	IF	Citations
1	Landslide susceptibility assessment using Frequency Ratio, a case study of northern Pakistan. Egyptian Journal of Remote Sensing and Space Science, 2019, 22, 11-24.	1.1	101
2	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.	1.6	78
3	A review of the 2005 Kashmir earthquake-induced landslides; from a remote sensing prospective. Journal of Asian Earth Sciences, 2016, 118, 68-80.	1.0	73
4	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.	1.9	65
5	Spatial and temporal evolution of co-seismic landslides after the 2005 Kashmir earthquake. Geomorphology, 2020, 362, 107228.	1.1	51
6	A Data-Driven Approach to Landslide-Susceptibility Mapping in Mountainous Terrain: Case Study from the Northwest Himalayas, Pakistan. Natural Hazards Review, 2018, 19, .	0.8	50
7	Landslide inventory and susceptibility modelling using geospatial tools, in Hunza-Nagar valley, northern Pakistan. Journal of Mountain Science, 2018, 15, 1354-1370.	0.8	50
8	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.	0.6	39
9	Geophysical and remote sensing-based approach to model regolith thickness in a data-sparse environment. Catena, 2011, 87, 11-19.	2.2	30
10	An international program on Silk Road Disaster Risk Reduction–a Belt and Road initiative (2016–2020). Journal of Mountain Science, 2018, 15, 1383-1396.	0.8	30
11	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.	0.8	28
12	Regolith modeling and its relation to earthquake induced building damage: A remote sensing approach. Journal of Asian Earth Sciences, 2011, 42, 65-75.	1.0	17
13	Landslide inventory and susceptibility assessment using multiple statistical approaches along the Karakoram highway, northern Pakistan. Journal of Mountain Science, 2021, 18, 583-598.	0.8	16
14	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.	0.6	14
15	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.	1.3	13
16	Regolith thickness modeling using a GIS approach for landslide distribution analysis, NW Himalayas. Journal of Mountain Science, 2018, 15, 2466-2479.	0.8	12
17	Evaluation of remote sensing–based seismic site characterization using earthquake damage data. Terra Nova, 2012, 24, 123-129.	0.9	10
18	ASTER-based remote sensing investigation of gypsum in the Kohat Plateau, north Pakistan. Carbonates and Evaporites, 2020, 35, 1.	0.4	10

#	Article	IF	Citations
19	Evaluating glacier dynamics using temporal remote sensing images: a case study of Hunza Valley, northern Pakistan. Environmental Earth Sciences, 2018, 77, 1.	1.3	9
20	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.	0.8	6
21	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.	0.8	6
22	Impact of uncertainty in remote sensing DEMs on topographic amplification of seismic response and Vs 30. Arabian Journal of Geosciences, 2015, 8, 2237-2245.	0.6	5
23	Geology as a proxy for Vs30-based seismic site characterization, a case study of northern Pakistan. Arabian Journal of Geosciences, 2018, 11, 1.	0.6	5
24	Scenario-based seismic hazard analysis using spectral element method in northeastern Pakistan. Natural Hazards, 2020, 103, 2131-2144.	1.6	2
25	Landslide assessment by using multi-temporal UAV datasets: a case study in northern Pakistan. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	2