

Irfan Rashid

List of Publications by Year in descending order

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Version: 2024-02-01

110
papers

3,670
citations

147566

31
h-index

168136

53
g-index

118
all docs

118
docs citations

118
times ranked

2558
citing authors

#	ARTICLE	IF	CITATIONS
1	A massive rock and ice avalanche caused the 2021 disaster at Chamoli, Indian Himalaya. <i>Science</i> , 2021, 373, 300-306.	6.0	304
2	The alien flora of Kashmir Himalaya. <i>Biological Invasions</i> , 2007, 9, 269-292.	1.2	141
3	New vegetation type map of India prepared using satellite remote sensing: Comparison with global vegetation maps and utilities. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2015, 39, 142-159.	1.4	138
4	Geoinformatics for assessing the morphometric control on hydrological response at watershed scale in the Upper Indus Basin. <i>Journal of Earth System Science</i> , 2012, 121, 659-686.	0.6	123
5	Alien flora of India: taxonomic composition, invasion status and biogeographic affiliations. <i>Biological Invasions</i> , 2012, 14, 99-113.	1.2	120
6	Variations in particulate matter over Indo-Gangetic Plains and Indo-Himalayan Range during four field campaigns in winter monsoon and summer monsoon: Role of pollution pathways. <i>Atmospheric Environment</i> , 2017, 154, 200-224.	1.9	119
7	Impact of anthropogenic activities on water quality of Lidder River in Kashmir Himalayas. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 4705-4719.	1.3	104
8	Implications of Shrinking Cryosphere Under Changing Climate on the Streamflows in the Lidder Catchment in the Upper Indus Basin, India. <i>Arctic, Antarctic, and Alpine Research</i> , 2015, 47, 627-644.	0.4	102
9	Assessing the impacts of changing land cover and climate on Hokersar wetland in Indian Himalayas. <i>Arabian Journal of Geosciences</i> , 2014, 7, 143-160.	0.6	90
10	Climatic, geomorphic and anthropogenic drivers of the 2014 extreme flooding in the Jhelum basin of Kashmir, India. <i>Geomatics, Natural Hazards and Risk</i> , 2018, 9, 224-248.	2.0	89
11	Projected climate change impacts on vegetation distribution over Kashmir Himalayas. <i>Climatic Change</i> , 2015, 132, 601-613.	1.7	81
12	Phyllosphere microbiome: Diversity and functions. <i>Microbiological Research</i> , 2022, 254, 126888.	2.5	77
13	Sustainability of winter tourism in a changing climate over Kashmir Himalaya. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 2549-2562.	1.3	69
14	Massive land system changes impact water quality of the Jhelum River in Kashmir Himalaya. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 185.	1.3	66
15	Elucidating the role of silicon in drought stress tolerance in plants. <i>Plant Physiology and Biochemistry</i> , 2021, 165, 187-195.	2.8	64
16	Predicting invasion potential and niche dynamics of <i>Parthenium hysterophorus</i> (Congress grass) in India under projected climate change. <i>Biodiversity and Conservation</i> , 2019, 28, 2319-2344.	1.2	63
17	The recent deglaciation of Kolahoi valley in Kashmir Himalaya, India in response to the changing climate. <i>Journal of Asian Earth Sciences</i> , 2017, 138, 38-50.	1.0	61
18	Time series analysis of climate variability and trends in Kashmir Himalaya. <i>Ecological Indicators</i> , 2021, 126, 107690.	2.6	60

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19	Recession of Gya Glacier and the 2014 glacial lake outburst flood in the Trans-Himalayan region of Ladakh, India. <i>Science of the Total Environment</i> , 2021, 756, 144008.	3.9	51
20	The January 2018 to September 2019 surge of Shisper Glacier, Pakistan, detected from remote sensing observations. <i>Geomorphology</i> , 2020, 351, 106957.	1.1	50
21	Current Status of Wetlands in Srinagar City: Threats, Management Strategies, and Future Perspectives. <i>Frontiers in Environmental Science</i> , 2020, 7, .	1.5	50
22	Biology of Amaranths. <i>Botanical Review, The</i> , 2017, 83, 382-436.	1.7	49
23	Twenty-first century-end climate scenario of Jammu and Kashmir Himalaya, India, using ensemble climate models. <i>Climatic Change</i> , 2020, 162, 1473-1491.	1.7	49
24	Linking human-biophysical interactions with the trophic status of Dal Lake, Kashmir Himalaya, India. <i>Limnologica</i> , 2017, 62, 84-96.	0.7	47
25	Phytoremediation Potential of <i>Phragmites australis</i> in Hokersar Wetland - A Ramsar Site of Kashmir Himalaya. <i>International Journal of Phytoremediation</i> , 2014, 16, 1183-1191.	1.7	44
26	Spatio-temporal variation of land surface temperature and temperature lapse rate over mountainous Kashmir Himalaya. <i>Journal of Mountain Science</i> , 2018, 15, 563-576.	0.8	44
27	Patterns of alien plant diversity in the urban landscapes of global biodiversity hotspots: a case study from the Himalayas. <i>Biodiversity and Conservation</i> , 2018, 27, 1055-1072.	1.2	43
28	The natural flow regime: A master variable for maintaining river ecosystem health. <i>Ecohydrology</i> , 2020, 13, e2247.	1.1	42
29	Phytoliths as proxies of the past. <i>Earth-Science Reviews</i> , 2019, 194, 234-250.	4.0	41
30	The satellite observed glacier mass changes over the Upper Indus Basin during 2000â€“2012. <i>Scientific Reports</i> , 2020, 10, 14285.	1.6	40
31	Mycorrhizal source and neighbour identity differently influence <i>Anthemis cotula</i> L. invasion in the Kashmir Himalaya, India. <i>Applied Soil Ecology</i> , 2008, 40, 330-337.	2.1	38
32	Assessing changes in the above ground biomass and carbon stocks of Lidder valley, Kashmir Himalaya, India. <i>Geocarto International</i> , 2017, 32, 717-734.	1.7	36
33	Land system transformations govern the trophic status of an urban wetland ecosystem: Perspectives from remote sensing and water quality analysis. <i>Land Degradation and Development</i> , 2021, 32, 4087-4104.	1.8	35
34	Mapping groundwater potential zones using remote sensing and GIS approach in Jammu Himalaya, Jammu and Kashmir. <i>Geo Journal</i> , 2020, 85, 487-504.	1.7	34
35	Linking the Recent Glacier Retreat and Depleting Streamflow Patterns with Land System Changes in Kashmir Himalaya, India. <i>Water (Switzerland)</i> , 2020, 12, 1168.	1.2	33
36	Land use land cover dynamics as a function of changing demography and hydrology. <i>Geo Journal</i> , 2014, 79, 297-307.	1.7	32

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37	Global distribution modelling, invasion risk assessment and niche dynamics of <i>Leucanthemum vulgare</i> (Ox-eye Daisy) under climate change. <i>Scientific Reports</i> , 2019, 9, 11395.	1.6	30
38	Geospatial modelling approach for identifying disturbance regimes and biodiversity rich areas in North Western Himalayas, India. <i>Biodiversity and Conservation</i> , 2013, 22, 2537-2566.	1.2	29
39	Recent recession and potential future lake formation on Drang Drung glacier, Zaskar Himalaya, as assessed with earth observation data and glacier modelling. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	29
40	Landscape transformation of an urban wetland in Kashmir Himalaya, India using high-resolution remote sensing data, geospatial modeling, and ground observations over the last 5 decades (1965–2018). <i>Environmental Monitoring and Assessment</i> , 2020, 192, 635.	1.3	29
41	Recent flood hazards in Kashmir put into context with millennium-long historical and tree-ring records. <i>Science of the Total Environment</i> , 2020, 722, 137875.	3.9	29
42	A geospatial approach for limnological characterization of Nigeen Lake, Kashmir Himalaya. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 121.	1.3	29
43	High-resolution earth observation data for assessing the impact of land system changes on wetland health in Kashmir Himalaya, India. <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.	0.6	28
44	Anthropogenic disturbances alter community structure in the forests of Kashmir Himalaya. <i>Tropical Ecology</i> , 2019, 60, 6-15.	0.6	27
45	Railways redistribute plant species in mountain landscapes. <i>Journal of Applied Ecology</i> , 2021, 58, 1967-1980.	1.9	27
46	Germination ecology of invasive alien <i>Anthemis cotula</i> helps it synchronise its successful recruitment with favourable habitat conditions. <i>Annals of Applied Biology</i> , 2007, 150, 361-369.	1.3	25
47	Scale and season determine the magnitude of invasion impacts on plant communities. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2019, 260, 151481.	0.6	25
48	Towards an integrated research framework and policy agenda on biological invasions in the developing world: A case-study of India. <i>Environmental Research</i> , 2011, 111, 999-1006.	3.7	24
49	Reviews and syntheses: Soil responses to manipulated precipitation changes – an assessment of meta-analyses. <i>Biogeosciences</i> , 2020, 17, 3859-3873.	1.3	24
50	Heavy metal accumulation in the leaves of <i>Potamogeton natans</i> and <i>Ceratophyllum demersum</i> in a Himalayan RAMSAR site: management implications. <i>Wetlands Ecology and Management</i> , 2016, 24, 469-475.	0.7	23
51	Surge of Hispar Glacier, Pakistan, between 2013 and 2017 detected from remote sensing observations. <i>Geomorphology</i> , 2018, 303, 410-416.	1.1	23
52	Identification of anthropogenic contribution to wetland degradation: Insights from the environmetric techniques. <i>Stochastic Environmental Research and Risk Assessment</i> , 2022, 36, 1397-1411.	1.9	22
53	Effect of Aqueous Leaf Leachate of <i>Anthemis cotula</i> - An Alien Invasive Species on Germination Behaviour of Some Field Crops. <i>Journal of Agronomy and Crop Science</i> , 2006, 192, 186-191.	1.7	21
54	Seismic hazard and probability assessment of Kashmir valley, northwest Himalaya, India. <i>Natural Hazards</i> , 2018, 93, 1451-1477.	1.6	21

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55	Silicon Supplementation of Rescuegrass Reduces Herbivory by a Grasshopper. <i>Frontiers in Plant Science</i> , 2019, 10, 671.	1.7	21
56	Operational characterization of alien invasive flora and its management implications. <i>Biodiversity and Conservation</i> , 2008, 17, 3181-3194.	1.2	20
57	Application of Geomorphometric Approach for the Estimation of Hydro-sedimentological Flows and Cation Weathering Rate: Towards Understanding the Sustainable Land Use Policy for the Sindh Basin, Kashmir Himalaya. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	1.1	20
58	Retreat and geodetic mass changes of Zemu Glacier, Sikkim Himalaya, India, between 1931 and 2018. <i>Regional Environmental Change</i> , 2020, 20, 1.	1.4	19
59	A semi-automated approach for mapping geomorphology in mountainous terrain, Ferozpora watershed (Kashmir Himalaya). <i>Journal of the Geological Society of India</i> , 2016, 88, 206-212.	0.5	18
60	Management of <i>Nymphoides peltatum</i> using water level fluctuations in freshwater lakes of Kashmir Himalaya. <i>Limnology</i> , 2017, 18, 219-231.	0.8	18
61	Retreat of Machoi Glacier, Kashmir Himalaya between 1972 and 2019 using remote sensing methods and field observations. <i>Science of the Total Environment</i> , 2021, 785, 147376.	3.9	18
62	Linking land system changes (1980–2017) with the trophic status of an urban wetland: Implications for wetland management. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 710.	1.3	18
63	Landscape Transformations, Morphometry, and Trophic Status of Anchar Wetland in Kashmir Himalaya: Implications for Urban Wetland Management. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	1.1	18
64	Mycorrhizosphere mediated Mayweed Chamomile invasion in the Kashmir Himalaya, India. <i>Plant and Soil</i> , 2008, 312, 219-225.	1.8	17
65	Winter Burst of Pristine Kashmir Valley Air. <i>Scientific Reports</i> , 2018, 8, 3329.	1.6	17
66	Plant invasion alters the physico-chemical dynamics of soil system: insights from invasive <i>Leucanthemum vulgare</i> in the Indian Himalaya. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 792.	1.3	17
67	Plant invasions in montane ecosystems. <i>Frontiers in Ecology and the Environment</i> , 2009, 7, 408-408.	1.9	16
68	Hydrochemical characterization and pollution assessment of groundwater in Jammu Siwaliks, India. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 122.	1.3	16
69	Dose estimation of radioactivity in groundwater of Srinagar City, Northwest Himalaya, employing fluorimetric and scintillation techniques. <i>Environmental Geochemistry and Health</i> , 2021, 43, 837-854.	1.8	16
70	Investigation of temporal change in glacial extent of Chitral watershed using Landsat data: a critique. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 546.	1.3	15
71	Impacts of Erratic Snowfall on Apple Orchards in Kashmir Valley, India. <i>Sustainability</i> , 2020, 12, 9206.	1.6	14
72	Jammu and Kashmir State: An Overview. <i>Topics in Biodiversity and Conservation</i> , 2020, , 129-166.	0.3	14

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73	Evaluating the Performance of Remotely Sensed Precipitation Estimates against In-Situ Observations during the September 2014 Mega-Flood in the Kashmir Valley. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2019, 55, 209-219.	1.3	13
74	Benefitting from geoinformatics: Estimating floristic diversity of Warwan Valley in Northwestern Himalaya, India. <i>Journal of Mountain Science</i> , 2015, 12, 854-863.	0.8	12
75	Floristic diversity along the roadsides of an urban biodiversity hotspot in Indian Himalayas. <i>Plant Biosystems</i> , 2019, 153, 222-230.	0.8	12
76	Explaining the differential response of glaciers across different mountain ranges in the north-western Himalaya, India. <i>Cold Regions Science and Technology</i> , 2022, 196, 103515.	1.6	12
77	Human-driven disturbances change the vegetation characteristics of temperate forest stands: A case study from Pir Panchal mountain range in Kashmir Himalaya. <i>Trees, Forests and People</i> , 2021, 6, 100134.	0.8	11
78	Forest Ecosystems of Jammu and Kashmir State. <i>Topics in Biodiversity and Conservation</i> , 2020, , 191-208.	0.3	11
79	Think globally, measure locally: The MIREN standardized protocol for monitoring plant species distributions along elevation gradients. <i>Ecology and Evolution</i> , 2022, 12, e8590.	0.8	11
80	Root-associated fungi of <i>Pinus wallichiana</i> in Kashmir Himalaya. <i>Canadian Journal of Forest Research</i> , 2018, 48, 923-929.	0.8	10
81	Methane emissions respond to soil temperature in convergent patterns but divergent sensitivities across wetlands along altitude. <i>Global Change Biology</i> , 2021, 27, 941-955.	4.2	10
82	Spatiotemporal Dynamics and Geodetic Mass Changes of Glaciers With Varying Debris Cover in the Pangong Region of Trans-Himalayan Ladakh, India Between 1990 and 2019. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	10
83	Floristic diversity and correlates of naturalization of alien flora in urban green spaces of Srinagar city. <i>Urban Ecosystems</i> , 2021, 24, 1231-1244.	1.1	9
84	A Standardized Response to Biological Invasions. <i>Science</i> , 2009, 325, 146-146.	6.0	8
85	An Updated Taxonomic Inventory of Flora of Srinagar City (Kashmir Himalaya) India, Using Herbarium Reconstruction Approach. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2018, 88, 1017-1023.	0.4	8
86	Biotic alteration of benthic macroinvertebrate communities based on multispatial-scale environmental variables in a regulated river system of Kashmir Himalaya. <i>Ecological Engineering</i> , 2022, 177, 106560.	1.6	8
87	<i>Bromus catharticus</i> Vahl (Poaceae): a new plant record for Kashmir Himalaya, India. <i>Check List</i> , 2016, 12, 1875.	0.1	7
88	Deciphering the source contribution of organic matter accumulation in an urban wetland ecosystem. <i>Land Degradation and Development</i> , 2022, 33, 2390-2404.	1.8	7
89	Geospatial Assessment of Groundwater Quality in Udhampur District, Jammu and Kashmir, India. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2020, 90, 883-897.	0.8	6
90	Radon mapping in groundwater and indoor environs of Budgam, Jammu and Kashmir. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021, 329, 923-934.	0.7	6

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91	Integrating the biological invasion paradigm in the policy framework in India. <i>Tropical Ecology</i> , 2021, 62, 144-148.	0.6	5
92	<i>Symphytotrichum subulatum</i> (Michx.) G.L.Nesom (Asteraceae): a new distribution record of an alien plant species in Kashmir Himalaya, India. <i>Check List</i> , 2021, 17, 569-574.	0.1	5
93	Differential responses of Kashmir Himalayan threatened medicinal plants to anticipated climate change. <i>Environmental Conservation</i> , 2022, 49, 33-41.	0.7	5
94	Invasive species services-disservices conundrum: A case study from Kashmir Himalaya. <i>Journal of Environmental Management</i> , 2022, 309, 114674.	3.8	5
95	Anthropogenic pressure and tree carbon loss in the temperate forests of Kashmir Himalaya. <i>Botany Letters</i> , 2022, 169, 400-412.	0.7	5
96	Impact of Climate Change on Vegetation Distribution in the Kashmir Himalaya. <i>Topics in Biodiversity and Conservation</i> , 2020, , 1029-1047.	0.3	4
97	Naturalisation of <i>Ranunculus repens</i> in Kashmir Himalaya: Floristic and Ecological aspects. <i>Plant Biosystems</i> , 2022, 156, 1291-1297.	0.8	4
98	Evaluating glacier surges in Karakoram region using earth observation data. <i>Data in Brief</i> , 2020, 30, 105394.	0.5	3
99	Genetic diversity may help evolutionary rescue in a clonal endemic plant species of Western Himalaya. <i>Scientific Reports</i> , 2021, 11, 19595.	1.6	3
100	Composition, introduction history and invasion status of alien flora in Dachigam National Park of Kashmir Himalaya. <i>Proceedings of the Indian National Science Academy</i> , 2022, 88, 33.	0.5	3
101	Evaluating the performance of multisource digital elevation models using morphometric parameters and field survey data over the mountainous landscapes of northwest Himalaya, India. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	1.3	2
102	MODIS land surface temperature data for prediction of urban heat island effect. <i>International Journal of Sustainable Agricultural Management and Informatics</i> , 2019, 5, 270.	0.1	1
103	Invasiveness traits help Amaranths to invade Kashmir Himalaya, India. <i>Tropical Ecology</i> , 2021, 62, 209-217.	0.6	1
104	Investigating the 2017 Erratic Fishkill Episode in the Jhelum River, Kashmir Himalaya. <i>Pollutants</i> , 2021, 1, 87-94.	1.0	1
105	MODIS land surface temperature data for prediction of urban heat island effect. <i>International Journal of Sustainable Agricultural Management and Informatics</i> , 2019, 5, 270.	0.1	1
106	Risk assessment and management framework for rapidly spreading species in a Kashmir Himalayan Ramsar site. <i>Environmental Monitoring and Assessment</i> , 2022, 194, 175.	1.3	1
107	Ascertaining glacier dynamics and geodetic mass changes in the Pangong Region of Trans-Himalayan Ladakh using remote sensing data. <i>Data in Brief</i> , 2022, 42, 108176.	0.5	1
108	Constructed Wetlands: Role in Phytoremediation of Heavy Metals. , 2016, , 291-304.		0

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109	Risk analysis of fast spreading species in a Kashmir Himalayan National Park (Dachigam) for better monitoring and management. Risk Analysis, 2022, , .	1.5	0
110	Editorial: Ecosystem and Hydrological Responses in Mountain Environments to the Changing Climate. Frontiers in Environmental Science, 2022, 10, .	1.5	0