

Vaibhav Garg

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

958
citations

471371

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64
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992
citing authors

#	ARTICLE	IF	CITATIONS
1	Geospatial investigation on transitional (quiescence to surge initiation) phase dynamics of Monacobreen tidewater glacier, Svalbard. <i>Advances in Space Research</i> , 2022, 69, 1813-1839.	1.2	4
2	Role of Geospatial Technology in Hydrological and Hydrodynamic Modeling-With Focus on Floods Studies. <i>Water Science and Technology Library</i> , 2022, , 483-503.	0.2	1
3	Ethiopia's Water Resources: An Assessment Based on Geospatial Data-Driven Distributed Hydrological Modeling Approach. <i>Journal of the Indian Society of Remote Sensing</i> , 2022, 50, 1031-1049.	1.2	5
4	Spatio-temporal changes in radar zones and ELA estimation of glaciers in NyÅlesund using Sentinel-1 SAR. <i>Polar Science</i> , 2022, 31, 100786.	0.5	4
5	Impact of city expansion on hydrological regime of Rispana Watershed, Dehradun, India. <i>Geo Journal</i> , 2022, 87, 973-997.	1.7	1
6	Water level status of Indian reservoirs: A synoptic view from altimeter observations. <i>Advances in Space Research</i> , 2021, 68, 619-640.	1.2	19
7	Groundwater modeling with inputs from geospatial technology for assessing the sustainability of water use in the Solani watershed, Ganga river basin (India). <i>Groundwater for Sustainable Development</i> , 2021, 12, 100511.	2.3	1
8	Evaluation and comparison of morphometric parameters of Savitri watershed, India. <i>Innovative Infrastructure Solutions</i> , 2021, 6, 1.	1.1	1
9	Glacier Change Studies under Changing Climate Using Geospatial Tools and Techniques. <i>Journal of the Indian Society of Remote Sensing</i> , 2021, 49, 2387.	1.2	3
10	The use of SARAL/AltiKa altimeter measurements for multi-site hydrodynamic model validation and rating curves estimation: An application to Brahmaputra River. <i>Advances in Space Research</i> , 2021, 68, 691-702.	1.2	10
11	Snow, Glacier, and Glacier Lake Mapping and Monitoring Using Remote Sensing Data. <i>Geography of the Physical Environment</i> , 2021, , 57-84.	0.2	1
12	Decadal Urban Land Use/Land Cover Changes and Its Impact on Surface Runoff Potential for the Dhaka City and Surroundings Using Remote Sensing. <i>Remote Sensing</i> , 2021, 13, 83.	1.8	50
13	Changes in turbidity along Ganga River using Sentinel-2 satellite data during lockdown associated with COVID-19. <i>Geomatics, Natural Hazards and Risk</i> , 2020, 11, 1175-1195.	2.0	105
14	Application of Remote Sensing and GIS in Performance Evaluation of Irrigation Project at Disaggregated Level. <i>Journal of the Indian Society of Remote Sensing</i> , 2020, 48, 979-997.	1.2	8
15	Improving stream flow estimation by incorporating time delay approach in soft computing models. <i>ISH Journal of Hydraulic Engineering</i> , 2019, , 1-12.	1.1	3
16	Human-induced land use land cover change and its impact on hydrology. <i>HydroResearch</i> , 2019, 1, 48-56.	1.7	89
17	The Assimilation of Remote Sensing-Derived Soil Moisture Data into a Hydrological Model for the Mahanadi Basin, India. <i>Journal of the Indian Society of Remote Sensing</i> , 2019, 47, 1357-1374.	1.2	8
18	Cryosphere Studies in Northwest Himalaya. , 2019, , 69-107.		1

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19	Hydrological Modelling in North Western Himalaya. , 2019, , 109-138.		3
20	Water Quality Assessment of River Ganga and Chilika Lagoon using AVIRIS-NG Hyperspectral Data. Current Science, 2019, 116, 1172.	0.4	22
21	Characterization and Retrieval of Snow and Urban Land Cover Parameters using Hyperspectral Imaging. Current Science, 2019, 116, 1182.	0.4	7
22	Analyzing future water availability and hydrological extremes in the Krishna basin under changing climatic conditions. Arabian Journal of Geosciences, 2018, 11, 1.	0.6	21
23	Reservoir Sedimentation Assessment Through Remote Sensing and Hydrological Modelling. Journal of the Indian Society of Remote Sensing, 2018, 46, 1893-1905.	1.2	21
24	Spectral similarity approach for mapping turbidity of an inland waterbody. Journal of Hydrology, 2017, 550, 527-537.	2.3	34
25	Assessment of land use land cover change impact on hydrological regime of a basin. Environmental Earth Sciences, 2017, 76, 1.	1.3	56
26	The Potential Applications of Satellite Altimetry with SARAL/AltiKa for Indian Inland Waters. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2017, 87, 661-677.	0.8	12
27	Hydrological Parameters Estimation Using Remote Sensing and GIS for Indian Region: A Review. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2017, 87, 641-659.	0.8	23
28	Cryospheric Studies in Indian Himalayan and Polar Region: Current Status, Advances and Future Prospects of Remote Sensing. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2017, 87, 593-616.	0.8	9
29	Satellite-Based Mapping and Monitoring of Heavy Snowfall in North Western Himalaya and its Hydrologic Consequences. Current Science, 2017, 113, 2328.	0.4	17
30	A new method for SARAL/AltiKa waveform classification: contextual analysis over the Maithon Reservoir, Jharkhand, India. Proceedings of SPIE, 2016, , .	0.8	3
31	Retrieval of land surface temperature from Landsat 8 TIRS for the command area of Mula irrigation project. Environmental Earth Sciences, 2016, 75, 1.	1.3	28
32	Application of GIS-Coupled Modified MMF Model to Estimate Sediment Yield on a Watershed Scale. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	0.8	12
33	SARAL/AltiKa Waveform Analysis to Monitor Inland Water Levels: A Case Study of Maithon Reservoir, Jharkhand, India. Marine Geodesy, 2015, 38, 597-613.	0.9	16
34	Inductive Group Method of Data Handling Neural Network Approach to Model Basin Sediment Yield. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	0.8	16
35	Modeling catchment sediment yield: a genetic programming approach. Natural Hazards, 2014, 70, 39-50.	1.6	10
36	Evaluation of reservoir sedimentation using data driven techniques. Applied Soft Computing Journal, 2013, 13, 3567-3581.	4.1	26

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37	Hypothetical scenario-based impact assessment of climate change on runoff potential of a basin. ISH Journal of Hydraulic Engineering, 2013, 19, 244-249.	1.1	8
38	Assessment of the effect of slope on runoff potential of a watershed using NRCS-CN method. International Journal of Hydrology Science and Technology, 2013, 3, 141.	0.2	26
39	Sediment Yield Assessment of a Large Basin using PSIAC Approach in GIS Environment. Water Resources Management, 2012, 26, 799-840.	1.9	19
40	Modeling the Time Variation of Reservoir Trap Efficiency. Journal of Hydrologic Engineering - ASCE, 2010, 15, 1001-1015.	0.8	23
41	Reservoir Sedimentation Estimation Using Artificial Neural Network. Journal of Hydrologic Engineering - ASCE, 2009, 14, 1035-1040.	0.8	48
42	Reservoir Sedimentation Estimation Using Genetic Programming Technique. , 2009, , .		2
43	Impact of Declining Trend of Flow on Harike Wetland, India. Water Resources Management, 2008, 22, 409-421.	1.9	26
44	Re-look to conventional techniques for trapping efficiency estimation of a reservoir. International Journal of Sediment Research, 2008, 23, 76-84.	1.8	54
45	TRAP EFFICIENCY ESTIMATION OF A LARGE RESERVOIR. ISH Journal of Hydraulic Engineering, 2008, 14, 88-101.	1.1	10
46	INTERCOMPARISON OF DIFFERENT RAINFALL PRODUCTS AND VALIDATION OF WRF MODELLED RAINFALL ESTIMATION IN N-W HIMALAYA DURING MONSOON PERIOD. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, IV-5, 351-358.	0.0	3
47	WATER RESOURCES STATUS AND AVAILABILITY ASSESSMENT IN CURRENT AND FUTURE CLIMATE CHANGE SCENARIOS FOR BEAS RIVER BASIN OF NORTH WESTERN HIMALAYA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B8, 1389-1396.	0.2	9
48	EXPERIMENTAL FLOOD EARLY WARNING SYSTEM IN PARTS OF BEAS BASIN USING INTEGRATION OF WEATHER FORECASTING, HYDROLOGICAL AND HYDRODYNAMIC MODELS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-5, 221-225.	0.2	7
49	TRAINING, EDUCATION, RESEARCH AND CAPACITY BUILDING NEEDS AND FUTURE REQUIREMENTS IN APPLICATIONS OF GEOSPATIAL TECHNOLOGY FOR WATER RESOURCES MANAGEMENT. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-5, 29-36.	0.2	6
50	INDIAN INLAND WATER AND PARTS OF ANTARCTIC ICE SHEET ELEVATION AND ICE SHEET VELOCITY MONITORING USING ALTIMETRY AND SAR BASED DATASETS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-5, 367-373.	0.2	1
51	SNOW COVER AND GLACIER DYNAMICS STUDY USING C-AND L-BAND SAR DATASETS IN PARTS OF NORTH WEST HIMALAYA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-5, 375-382.	0.2	17
52	ESTIMATION OF REVISED CAPACITY IN GOBIND SAGAR RESERVOIR USING GOOGLE EARTH ENGINE AND GIS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-5, 589-595.	0.2	7
53	SYNERGISTIC USE OF REMOTE SENSING, GIS AND HYDROLOGICAL MODELS FOR STUDY OF AUGUST 2018 KERALA FLOODS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B3-2020, 1263-1270.	0.2	9
54	Integrating effective drought index (EDI) and remote sensing derived parameters for agricultural drought assessment and prediction in Bundelkhand region of India. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-8, 89-100.	0.2	5

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55	CLIMATE AND LULC CHANGE SCENARIOS TO STUDY ITS IMPACT ON HYDROLOGICAL REGIME. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XXXIX-B8, 147-152.	0.2	19
56	IMPORTANCE OF INCORPORATION OF GEOSPATIAL TECHNOLOGY APPLICATIONS IN WATER RESOURCES AT GRADUATE AND POST-GRADUATE COURSES OF CIVIL ENGINEERING. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-5, 111-116.	0.2	0
57	ESTIMATION OF HYDRO-METEOROLOGICAL EXTREMES IN BEAS BASIN OVER HISTORIC, PRESENT AND FUTURE SCENARIO. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B5-2020, 139-147.	0.2	1
58	ROLE OF EARTH OBSERVATION DATA AND HYDROLOGICAL MODELING IN SUPPORTING UN SDGs IN NORTH WEST HIMALAYA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B3-2020, 853-860.	0.2	0
59	ASSESSMENT OF EARLY SEASON AGRICULTURAL DROUGHT USING REMOTE SENSING. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B3-2020, 1691-1695.	0.2	4
60	SIGNIFICANCE OF REMOTE SENSING BASED PRECIPITATION AND TERRAIN INFORMATION FOR IMPROVED HYDROLOGICAL AND HYDRODYNAMIC SIMULATION IN PARTS OF HIMALAYAN RIVER BASINS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B3-2020, 911-918.	0.2	1