Prashant K Srivastava

List of Publications by Year
in descending order

202
papers

6,329
citations

53794

45
h-index

91884

69
g-index

218
all docs

218
docs citations

218
times ranked

5113
citing authors

#	Article	IF	Citations
1	Selection of classification techniques for land use/land cover change investigation. Advances in Space Research, 2012, 50, 1250-1265.	2.6	279
2	Predicting Spatial and Decadal LULC Changes Through Cellular Automata Markov Chain Models Using Earth Observation Datasets and Geo-information. Environmental Processes, 2015, 2, 61-78.	3.5	253
3	Machine Learning Techniques for Downscaling SMOS Satellite Soil Moisture Using MODIS Land Surface Temperature for Hydrological Application. Water Resources Management, 2013, 27, 3127-3144.	3.9	237
4	Integrating GIS and remote sensing for identification of groundwater potential zones in the hilly terrain of Pavagarh, Gujarat, India. Water International, 2010, 35, 233-245.	1.0	233
5	Prioritization of Malesari mini-watersheds through morphometric analysis: a remote sensing and GIS perspective. Environmental Earth Sciences, 2013, 69, 2643-2656.	2.7	160
6	Assessment of flood inundation mapping of Surat city by coupled 1D/2D hydrodynamic modeling: a case application of the new HEC-RAS 5. Natural Hazards, 2017, 89, 93-130.	3.4	155
7	SWAT Model Calibration and Uncertainty Analysis for Streamflow Prediction in the Kunwari River Basin, India, Using Sequential Uncertainty Fitting. Environmental Processes, 2015, 2, 79-95.	3.5	137
8	Appraisal of land use/land cover of mangrove forest ecosystem using support vector machine. Environmental Earth Sciences, 2014, 71, 2245-2255.	2.7	126
9	Water Harvesting Structure Positioning by Using Geo-Visualization Concept and Prioritization of Mini-Watersheds Through Morphometric Analysis in the Lower Tapi Basin. Journal of the Indian Society of Remote Sensing, 2012, 40, 299-312.	2.4	124
10	Flood Hazards Mitigation Analysis Using Remote Sensing and GIS: Correspondence with Town Planning Scheme. Water Resources Management, 2013, 27, 2353-2368.	3.9	122
11	Modeling groundwater quality over a humid subtropical region using numerical indices, earth observation datasets, and X-ray diffraction technique: a case study of Allahabad district, India. Environmental Geochemistry and Health, 2015, 37, 157-180.	3.4	115
12	Modelling of land use land cover change using earth observation data-sets of Tons River Basin, Madhya Pradesh, India. Geocarto International, 2018, 33, 1202-1222.	3.5	115
13	Morphometric analysis of Upper Tons basin from Northern Foreland of Peninsular India using CARTOSAT satellite and GIS. Geocarto International, 2014, 29, 895-914.	3.5	108
14	Integrated Assessment of Groundwater Influenced by a Confluence River System: Concurrence with Remote Sensing and Geochemical Modelling. Water Resources Management, 2013, 27, 4291-4313.	3.9	90
15	Land use/land cover in view of earth observation: data sources, input dimensions, and classifiersâ€"a review of the state of the art. Geocarto International, 2021, 36, 957-988.	3.5	89
16	Characterizing Monsoonal Variation on Water Quality Index ofÂRiver Mahi in India using Geographical Information System. Water Quality, Exposure, and Health, 2011, 2, 193-203.	1.5	83
17	Precipitation trend analysis of Sindh River basin, India, from 102â€year record (1901â€"2002). Atmospheric Science Letters, 2016, 17, 71-77.	1.9	80
18	Performance evaluation of the TRMM precipitation estimation using ground-based radars from the GPM validation network. Journal of Atmospheric and Solar-Terrestrial Physics, 2012, 77, 194-208.	1.6	76

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19	Quantifying land use/land cover spatio-temporal landscape pattern dynamics from Hyperion using SVMs classifier and FRAGSTATS^{Â®}. Geocarto International, 2018, 33, 862-878.	3.5	76
20	Artificial intelligence techniques for clutter identification with polarimetric radar signatures. Atmospheric Research, 2012, 109-110, 95-113.	4.1	75
21	Mapping spatial distribution of pollutants in groundwater of a tropical area of India using remote sensing and GIS. Applied Geomatics, 2012, 4, 21-32.	2.5	75
22	Appraisal of SMOS soil moisture at a catchment scale in a temperate maritime climate. Journal of Hydrology, 2013, 498, 292-304.	5.4	73
23	Satellite Soil Moisture: Review of Theory and Applications in Water Resources. Water Resources Management, 2017, 31, 3161-3176.	3.9	73
24	SWAT Model calibration and uncertainty analysis for streamflow prediction of the Tons River Basin, India, using Sequential Uncertainty Fitting (SUFI-2) algorithm. Modeling Earth Systems and Environment, 2017, 3, 1.	3.4	72
25	Sensitivity and uncertainty analysis of mesoscale model downscaled hydro-meteorological variables for discharge prediction. Hydrological Processes, 2014, 28, 4419-4432.	2.6	71
26	Multi-level impacts of the COVID-19 lockdown on agricultural systems in India: The case of Uttar Pradesh. Agricultural Systems, 2021, 187, 103027.	6.1	71
27	Integrated framework for monitoring groundwater pollution using a geographical information system and multivariate analysis. Hydrological Sciences Journal, 2012, 57, 1453-1472.	2.6	70
28	MODELING IMPACT OF LAND USE CHANGE TRAJECTORIES ON GROUNDWATER QUALITY USING REMOTE SENSING AND GIS. Environmental Engineering and Management Journal, 2013, 12, 2343-2355.	0.6	62
29	Evaluating the 2018 extreme flood hazard events in Kerala, India. Remote Sensing Letters, 2020, 11, 436-445.	1.4	60
30	Comparative assessment of evapotranspiration derived from <scp>NCEP</scp> and <scp>ECMWF</scp> global datasets through Weather Research and Forecasting model. Atmospheric Science Letters, 2013, 14, 118-125.	1.9	59
31	Tracking a tropical cyclone through WRFâ€"ARW simulation and sensitivity of model physics. Natural Hazards, 2015, 76, 1473-1495.	3.4	59
32	Spatial distribution of mangrove forest species and biomass assessment using field inventory and earth observation hyperspectral data. Biodiversity and Conservation, 2019, 28, 2143-2162.	2.6	59
33	Reconstruction of contested landscape: Detecting land cover transformation hosting cultural heritage sites from Central India using remote sensing. Land Use Policy, 2013, 34, 193-203.	5.6	58
34	Appraisal of kappa-based metrics and disagreement indices of accuracy assessment for parametric and nonparametric techniques used in LULC classification and change detection. Modeling Earth Systems and Environment, 2020, 6, 1045-1059.	3.4	56
35	Ecological monitoring of wetlands in semi-arid region of Konya closed Basin, Turkey. Regional Environmental Change, 2012, 12, 133-144.	2.9	55
36	Evaluation of TRMM rainfall for soil moisture prediction in a subtropical climate. Environmental Earth Sciences, 2014, 71, 4421-4431.	2.7	54

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37	Integrating TRMM and MODIS satellite with socio-economic vulnerability for monitoring drought risk over a tropical region of India. Physics and Chemistry of the Earth, 2015, 83-84, 14-27.	2.9	53
38	Floodplain Mapping through Support Vector Machine and Optical/Infrared Images from Landsat 8 OLI/TIRS Sensors: Case Study from Varanasi. Water Resources Management, 2017, 31, 1157-1171.	3.9	53
39	Performance evaluation of WRF-Noah Land surface model estimated soil moisture for hydrological application: Synergistic evaluation using SMOS retrieved soil moisture. Journal of Hydrology, 2015, 529, 200-212.	5.4	50
40	Assessment of SMOS soil moisture retrieval parameters using tau–omega algorithms for soil moisture deficit estimation. Journal of Hydrology, 2014, 519, 574-587.	5.4	49
41	Fluoride contamination mapping of groundwater in Northern India integrated with geochemical indicators and GIS. Water Science and Technology: Water Supply, 2013, 13, 1513-1523.	2.1	48
42	Modeling mineral phase change chemistry of groundwater in a rural-urban fringe. Water Science and Technology, 2012, 66, 1502-1510.	2.5	46
43	Landscape transform and spatial metrics for mapping spatiotemporal land cover dynamics using Earth Observation data-sets. Geocarto International, 0, , 1-15.	3.5	46
44	Dual-polarimetric C-band SAR data for land use/land cover classification by incorporating textural information. Environmental Earth Sciences, 2017, 76, 1.	2.7	46
45	GIS and Remote Sensing Aided Information for Soil Moisture Estimation: A Comparative Study of Interpolation Techniques. Resources, 2019, 8, 70.	3.5	46
46	Error Correction Modelling of Wind Speed Through Hydro-Meteorological Parameters and Mesoscale Model: A Hybrid Approach. Water Resources Management, 2013, 27, 1-23.	3.9	45
47	WRF Dynamical Downscaling and Bias Correction Schemes for NCEP Estimated Hydro-Meteorological Variables. Water Resources Management, 2015, 29, 2267-2284.	3.9	45
48	Effect of canal on land use/land cover using remote sensing and GIS. Journal of the Indian Society of Remote Sensing, 2009, 37, 527-537.	2.4	44
49	Data Fusion Techniques for Improving Soil Moisture Deficit Using SMOS Satellite and WRF-NOAH Land Surface Model. Water Resources Management, 2013, 27, 5069.	3.9	44
50	Evaluation of Dielectric Mixing Models for Passive Microwave Soil Moisture Retrieval Using Data From ComRAD Ground-Based SMAP Simulator. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 4345-4354.	4.9	44
51	Earth Observation-Based Operational Estimation of Soil Moisture and Evapotranspiration for Agricultural Crops in Support of Sustainable Water Management. Sustainability, 2018, 10, 181.	3.2	44
52	Comprehensive evaluation of soil moisture retrieval models under different crop cover types using C-band synthetic aperture radar data. Geocarto International, 2019, 34, 1022-1041.	3.5	43
53	Hyperspectral remote sensing in precision agriculture: present status, challenges, and future trends. , 2020, , 121-146.		41
54	Use of Hyperion for Mangrove Forest Carbon Stock Assessment in Bhitarkanika Forest Reserve: A Contribution Towards Blue Carbon Initiative. Remote Sensing, 2020, 12, 597.	4.0	41

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55	Heavy Metal Soil Contamination Detection Using Combined Geochemistry and Field Spectroradiometry in the United Kingdom. Sensors, 2019, 19, 762.	3.8	40
56	Urban vegetation cover extraction from hyperspectral imagery and geographic information system spatial analysis techniques: case of Athens, Greece. Journal of Applied Remote Sensing, 2015, 9, 096088.	1.3	38
57	Soil erosion in future scenario using CMIP5 models and earth observation datasets. Journal of Hydrology, 2021, 594, 125851.	5.4	38
58	Appraisal of NLDAS-2 Multi-Model Simulated Soil Moistures for Hydrological Modelling. Water Resources Management, 2015, 29, 3503-3517.	3.9	34
59	Decision Support System integrated with Geographic Information System to target restoration actions in watersheds of arid environment: A case study of Hathmati watershed, Sabarkantha district, Gujarat. Journal of Earth System Science, 2015, 124, 71-86.	1.3	34
60	Drought Identification and Trend Analysis Using Long-Term CHIRPS Satellite Precipitation Product in Bundelkhand, India. Sustainability, 2021, 13, 1042.	3.2	33
61	Multi-temporal NDVI and surface temperature analysis for Urban Heat Island inbuilt surrounding of sub-humid region: A case study of two geographical regions. Remote Sensing Applications: Society and Environment, 2018, 10, 163-172.	1.5	32
62	Multivariate distributed ensemble generator: A new scheme for ensemble radar precipitation estimation over temperate maritime climate. Journal of Hydrology, 2014, 511, 17-27.	5.4	31
63	Assessing impact of climate change on Mundra mangrove forest ecosystem, Gulf of Kutch, western coast of India: a synergistic evaluation using remote sensing. Theoretical and Applied Climatology, 2015, 120, 685-700.	2.8	31
64	Aspect of ECMWF downscaled Regional Climate Modeling in simulating Indian summer monsoon rainfall and dependencies on lateral boundary conditions. Theoretical and Applied Climatology, 2019, 135, 1559-1581.	2.8	31
65	An appraisal of the accuracy of operational soil moisture estimates from SMOS MIRAS using validated <i>in situ</i> observations acquired in a Mediterranean environment. International Journal of Remote Sensing, 2014, 35, 5239-5250.	2.9	30
66	A Joss–Waldvogel disdrometer derived rainfall estimation study by collocated tipping bucket and rapid response rain gauges. Atmospheric Science Letters, 2012, 13, 139-150.	1.9	29
67	Operational evapotranspiration estimates from SEVIRI in support of sustainable water management. International Journal of Applied Earth Observation and Geoinformation, 2016, 49, 175-187.	2.8	29
68	Trend and variability of atmospheric ozone over middle Indo-Gangetic Plain: impacts of seasonality and precursor gases. Environmental Science and Pollution Research, 2017, 24, 164-179.	5.3	29
69	Seasonal evaluation of evapotranspiration fluxes from MODIS satellite and mesoscale model downscaled global reanalysis datasets. Theoretical and Applied Climatology, 2016, 124, 461-473.	2.8	27
70	A statistical significance of differences in classification accuracy of crop types using different classification algorithms. Geocarto International, 0, , 1-19.	3.5	26
71	Integrated framework for soil and water conservation in Kosi River Basin. Geocarto International, 2020, 35, 391-410.	3.5	26
72	Multi-satellite precipitation products for meteorological drought assessment and forecasting in Central India. Geocarto International, 2022, 37, 1899-1918.	3.5	25

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73	Machine learning algorithms for soil moisture estimation using Sentinel-1: Model development and implementation. Advances in Space Research, 2022, 69, 1799-1812.	2.6	25
74	Integrating Soil Hydraulic Parameter and Microwave Precipitation with Morphometric Analysis for Watershed Prioritization. Water Resources Management, 2016, 30, 5385-5405.	3.9	24
75	Quantifying Land Cover Changes in a Mediterranean Environment Using Landsat TM and Support Vector Machines. Forests, 2020, 11, 750.	2.1	24
76	Investigation of optimal vegetation indices for retrieval of leaf chlorophyll and leaf area index using enhanced learning algorithms. Computers and Electronics in Agriculture, 2022, 192, 106581.	7.7	24
77	Non-parametric rain/no rain screening method for satellite-borne passive microwave radiometers at 19â€"85 GHz channels with the Random Forests algorithm. International Journal of Remote Sensing, 2014, 35, 3254-3267.	2.9	23
78	Delineation and classification of ruralâ€"urban fringe using geospatial technique and onboard DMSPâ€"Operational Linescan System. Geocarto International, 2018, 33, 375-396.	3.5	23
79	Short-Term Statistical Forecasts of COVID-19 Infections in India. IEEE Access, 2020, 8, 186932-186938.	4.2	23
80	Fuzzy logic based melting layer recognition from 3ÂGHz dual polarization radar: appraisal with NWP model and radio sounding observations. Theoretical and Applied Climatology, 2013, 112, 317-338.	2.8	22
81	Remote Sensing of Aerosols From Space: Retrieval of Properties and Applications. , 2018, , 45-83.		22
82	Synergistic evaluation of Sentinel 1 and 2 for biomass estimation in a tropical forest of India. Advances in Space Research, 2022, 69, 1752-1767.	2.6	21
83	An exploratory investigation of an adaptive neuro fuzzy inference system (ANFIS) for estimating hydrometeors from TRMM/TMI in synergy with TRMM/PR. Atmospheric Research, 2014, 145-146, 57-68.	4.1	20
84	Evaluation of the Soil Moisture Operational Estimates From SMOS in Europe: Results Over Diverse Ecosystems. IEEE Sensors Journal, 2015, 15, 5243-5251.	4.7	20
85	Sensitivity analysis of artificial neural network for chlorophyll prediction using hyperspectral data. Environment, Development and Sustainability, 2021, 23, 5504-5519.	5.0	20
86	Estimation of land surface temperature from atmospherically corrected LANDSAT TM image using 6S and NCEP global reanalysis product. Environmental Earth Sciences, 2014, 72, 5183-5196.	2.7	19
87	Integration of Microwave and Optical/Infrared Derived Datasets for a Drought Hazard Inventory in a Sub-Tropical Region of India. Remote Sensing, 2019, 11, 439.	4.0	18
88	Evaluation of bias-adjusted satellite precipitation estimations for extreme flood events in Langat river basin, Malaysia. Hydrology Research, 2020, 51, 105-126.	2.7	18
89	Performance Assessment of the SEVIRI Evapotranspiration Operational Product: Results Over Diverse Mediterranean Ecosystems. IEEE Sensors Journal, 2015, 15, 3412-3423.	4.7	17
90	Evaluation of satellite precipitation products for extreme flood events: case study in Peninsular Malaysia. Journal of Water and Climate Change, 2019, 10, 871-892.	2.9	17

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91	Operational Soil Moisture from ASCAT in Support of Water Resources Management. Remote Sensing, 2019, 11, 579.	4.0	17
92	Deriving forest fire probability maps from the fusion of visible/infrared satellite data and geospatial data mining. Modeling Earth Systems and Environment, 2019, 5, 627-643.	3.4	17
93	Evaluating the capabilities of optical/TIR imaging sensing systems for quantifying soil water content. Geocarto International, 2020, 35, 494-511.	3.5	17
94	Precision of raw and bias-adjusted satellite precipitation estimations (TRMM, IMERG, CMORPH, and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Climate Change, 2020, 11, 322-342.	2.9	17
95	Crop Phenology and Soil Moisture Applications of SCATSAT-1. Current Science, 2019, 117, 1022.	0.8	17
96	Forest biomass estimation using remote sensing and field inventory: a case study of Tripura, India. Environmental Monitoring and Assessment, 2019, 191, 593.	2.7	16
97	Knowledge-based decision tree approach for mapping spatial distribution of rice crop using C-band synthetic aperture radar-derived information. Journal of Applied Remote Sensing, 2017, 11, 1.	1.3	16
98	Appraisal of hydro-meteorological factors during extreme precipitation event: case study of Kedarnath cloudburst, Uttarakhand, India. Natural Hazards, 2020, 100, 635-654.	3.4	15
99	Assessment of red-edge vegetation descriptors in a modified water cloud model for forward modelling using Sentinel – 1A and Sentinel – 2 satellite data. International Journal of Remote Sensing, 2021, 42, 794-804.	2.9	15
100	Geochemical modeling to evaluate the mangrove forest water. Arabian Journal of Geosciences, 2015, 8, 4687-4702.	1.3	14
101	Future perspectives and challenges in hyperspectral remote sensing. , 2020, , 429-439.		14
102	Revisiting hyperspectral remote sensing: origin, processing, applications and way forward. , 2020, , 3-21.		14
103	Appraisal of SMAP Operational Soil Moisture Product from a Global Perspective. Remote Sensing, 2020, 12, 1977.	4.0	14
104	Synergetic use of in situ and hyperspectral data for mapping species diversity and above ground biomass in Shoolpaneshwar Wildlife Sanctuary, Gujarat. Tropical Ecology, 2020, 61, 106-115.	1.2	14
105	Spaceborne Multifrequency PolInSAR-Based Inversion Modelling for Forest Height Retrieval. Remote Sensing, 2020, 12, 4042.	4.0	13
106	Denoising AVIRIS-NG Data for Generation of New Chlorophyll Indices. IEEE Sensors Journal, 2021, 21, 6982-6989.	4.7	13
107	Integrated assessment of extreme events and hydrological responses of Indo-Nepal Gandak River Basin. Environment, Development and Sustainability, 2021, 23, 8643-8668.	5.0	13
108	Reference Evapotranspiration Retrievals from a Mesoscale Model Based Weather Variables for Soil Moisture Deficit Estimation. Sustainability, 2017, 9, 1971.	3.2	12

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109	ScatSat-1 Leaf Area Index Product: Models Comparison, Development, and Validation Over Cropland. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 563-567.	3.1	12
110	Long-Term Trend Analysis of Precipitation and Extreme Events over Kosi River Basin in India. Water (Switzerland), 2021, 13, 1695.	2.7	12
111	Soil chemical changes resulting from irrigating with petrochemical effluents. International Journal of Environmental Science and Technology, 2012, 9, 361-370.	3.5	11
112	Large scale operational soil moisture mapping from passive MW radiometry: SMOS product evaluation in Europe & USA. International Journal of Applied Earth Observation and Geoinformation, 2019, 80, 206-217.	2.8	11
113	Performance assessment of evapotranspiration estimated from different data sources over agricultural landscape in Northern India. Theoretical and Applied Climatology, 2020, 140, 145-156.	2.8	11
114	Highlighting the compound risk of COVID-19 and environmental pollutants using geospatial technology. Scientific Reports, 2021, 11, 8363.	3.3	11
115	Soil characterization based on land cover heterogeneity over a tropical landscape: an integrated approach using earth observation data-sets. Geocarto International, 2014, , 1-24.	3.5	10
116	Sensitivity associated with bright band/melting layer location on radar reflectivity correction for attenuation at C-band using differential propagation phase measurements. Atmospheric Research, 2014, 135-136, 143-158.	4.1	10
117	An introduction to factor analysis for radio frequency interference detection on satellite observations. Meteorological Applications, 2015, 22, 436-443.	2.1	10
118	Optimization of dual-polarized bistatic specular scatterometer for studying microwave scattering response and vegetation growth parameters retrieval of paddy crop using a machine learning algorithm. Computers and Electronics in Agriculture, 2020, 175, 105592.	7.7	10
119	Optimal band characterization in reformation of hyperspectral indices for species diversity estimation. Physics and Chemistry of the Earth, 2022, 126, 103040.	2.9	10
120	A new model for an improved AMSR2 satellite soil moisture retrieval over agricultural areas. Computers and Electronics in Agriculture, 2021, 186, 106205.	7.7	10
121	Spatio-Temporal Monitoring of Atmospheric Pollutants Using Earth Observation Sentinel 5P TROPOMI Data: Impact of Stubble Burning a Case Study. ISPRS International Journal of Geo-Information, 2022, 11, 301.	2.9	10
122	Assessing the influence of atmospheric and topographic correction and inclusion of SWIR bands in burned scars detection from high-resolution EO imagery: a case study using ASTER. Natural Hazards, 2015, 78, 1609-1628.	3.4	9
123	Rain Rate Retrieval Algorithm for Conical-Scanning Microwave Imagers Aided by Random Forest, RReliefF, and Multivariate Adaptive Regression Splines (RAMARS). IEEE Sensors Journal, 2015, 15, 2186-2193.	4.7	9
124	Forecasting Arabian Sea level rise using exponential smoothing state space models and ARIMA from TOPEX and Jason satellite radar altimeter data. Meteorological Applications, 2016, 23, 633-639.	2.1	9
125	Seasonal ensemble generator for radar rainfall using copula and autoregressive model. Stochastic Environmental Research and Risk Assessment, 2016, 30, 27-38.	4.0	9
126	Soil erosion assessment on hillslope of GCE using RUSLE model. Journal of Earth System Science, 2018, 127, 1.	1.3	9

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127	Uncertainty in a Lumped and a Semi-Distributed Model for Discharge Prediction in Ghatshila Catchment. Water (Switzerland), 2018, 10, 381.	2.7	9
128	An Integrated Spatiotemporal Pattern Analysis Model to Assess and Predict the Degradation of Protected Forest Areas. ISPRS International Journal of Geo-Information, 2020, 9, 530.	2.9	9
129	Identification of Painted Rock-Shelter Sites Using GIS Integrated with a Decision Support System and Fuzzy Logic. ISPRS International Journal of Geo-Information, 2018, 7, 326.	2.9	8
130	Mapping and monitoring of the land use/cover changes in the wider area of Itanos, Crete, using very high resolution EO imagery with specific interest in archaeological sites. Environment, Development and Sustainability, 2020, 22, 3433-3460.	5.0	8
131	Integrating Multi-Sensors Data for Species Distribution Mapping Using Deep Learning and Envelope Models. Remote Sensing, 2021, 13, 3284.	4.0	8
132	Model-based ensembles: Lessons learned from retrospective analysis of COVID-19 infection forecasts across 10 countries. Science of the Total Environment, 2022, 806, 150639.	8.0	8
133	Artificial neural network with different learning parameters for crop classification using multispectral datasets. , 2015, , .		7
134	Evaluation of radar vegetation indices for vegetation water content estimation using data from a ground-based SMAP simulator. , 2015, , .		7
135	Impact of complexity of radar rainfall uncertainty model on flow simulation. Atmospheric Research, 2015, 161-162, 93-101.	4.1	7
136	Evaluation of Satellite Precipitation Data for Drought Monitoring in Bundelkhand Region, India. , 2019, , .		7
137	Satellite Based Fraction of Absorbed Photosynthetically Active Radiation Is Congruent with Plant Diversity in India. Remote Sensing, 2021, 13, 159.	4.0	7
138	Assessment of tropical cyclone amphan affected inundation areas using sentinel-1 satellite data. Tropical Ecology, 2022, 63, 9-19.	1.2	7
139	Sensitivity Exploration of SimSphere Land Surface Model Towards Its Use for Operational Products Development from Earth Observation Data. Society of Earth Scientists Series, 2014, , 35-56.	0.3	7
140	Spectroradiometry as a tool for monitoring soil contamination by heavy metals in a floodplain site. , 2020, , 249-268.		7
141	Climate Change and Its Impact on Forest of Indian Himalayan Region: A Review. Springer Climate, 2022, , 207-222.	0.6	7
142	Land degradation severity assessment with sand encroachment in an ecologically fragile arid environment: a geospatial perspective. QScience Connect, 2013, , 43.	0.3	6
143	CLOUDET: A Cloud Detection and Estimation Algorithm for Passive Microwave Imagers and Sounders Aided by Naïve Bayes Classifier and Multilayer Perceptron. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 4296-4301.	4.9	6
144	Support vector machines and generalized linear models for quantifying soil dehydrogenase activity in agro-forestry system of mid altitude central Himalaya. Environmental Earth Sciences, 2016, 75, 1.	2.7	6

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145	Future challenges in agricultural water management. , 2021, , 445-456.		6
146	Application of Geo-Spatial Technique for Flood Inundation Mapping of Low Lying Areas. Society of Earth Scientists Series, 2014, , 113-130.	0.3	6
147	Synergy of Vegetation and Soil Microwave Scattering Model for Leaf Area Index Retrieval Using C-Band Sentinel-1A Satellite Data. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	6
148	The Use of Hyperspectral Earth Observation Data for Land Use/Cover ClassificationPresent Status, Challenges, and Future Outlook. , 2018, , 147-173.		6
149	INTEGRATION OF SATELLITE, GLOBAL REANALYSIS DATA AND MACROSCALE HYDROLOGICAL MODEL FOR DROUGHT ASSESSMENT IN SUB-TROPICAL REGION OF INDIA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3, 1347-1351.	0.2	6
150	Exploring the potential of SCAT-SAR SWI for soil moisture retrievals at selected COSMOS-UK sites. International Journal of Remote Sensing, 2021, 42, 9155-9169.	2.9	6
151	Tree's detection & health's assessment from ultra-high resolution UAV imagery and deep learning. Geocarto International, 2022, 37, 10459-10479.	3.5	6
152	Far-field bistatic scattering simulation for rice crop biophysical parameters retrieval using modified radiative transfer model at X- and C-band. Remote Sensing of Environment, 2022, 272, 112959.	11.0	6
153	Quantifying the prediction accuracy of a 1-D SVAT model at a range of ecosystems in the USA and Australia: evidence towards its use as a tool to study Earth's system interactions. Geoscientific Model Development, 2015, 8, 3257-3284.	3.6	5
154	Synergistic multi-sensor and multi-frequency retrieval of cloud ice water path constrained by CloudSat collocations. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 161, 21-34.	2.3	5
155	Evaluating long-term variability in precipitation and temperature in eastern plateau region, India, and its impact on urban environment. Environment, Development and Sustainability, 2021, 23, 3731-3761.	5.0	5
156	Band selection algorithms for foliar trait retrieval using AVIRIS-NG: a comparison of feature based attribute evaluators. Geocarto International, 2022, 37, 4071-4087.	3.5	5
157	Random Forests with Bagging and Genetic Algorithms Coupled with Least Trimmed Squares Regression for Soil Moisture Deficit Using SMOS Satellite Soil Moisture. ISPRS International Journal of Geo-Information, 2021, 10, 507.	2.9	5
158	Chlorophyll Retrieval Using Ground Based Hyperspectral Data from a Tropical Area of India Using Regression Algorithms. Society of Earth Scientists Series, 2014, , 177-194.	0.3	5
159	Remote Sensing Based Identification of Painted Rock Shelter Sites: Appraisal Using Advanced Wide Field Sensor, Neural Network and Field Observations. Society of Earth Scientists Series, 2014, , 195-212.	0.3	5
160	Improving Spatial Representation of Soil Moisture Through the Incorporation of Single-Channel Algorithm With Different Downscaling Approaches. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10.	6.3	5
161	Crop variables estimation by adaptive neuro-fuzzy inference system using bistatic scatterometer data. , 2015, , .		4
162	Stratiform/convective rain delineation for TRMM microwave imager. Journal of Atmospheric and Solar-Terrestrial Physics, 2015, 133, 25-35.	1.6	4

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163	Reduced major axis approach for correcting GPM/GMI radiometric biases to coincide with radiative transfer simulation. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 168, 40-45.	2.3	4
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