

Chandrashekhhar Biradar

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

81
papers

3,125
citations

29
h-index

55
g-index

90
ext. papers

3,619
ext. citations

4.8
avg, IF

5.08
L-index

#	Paper	IF	Citations
81	Geo-Big Data in Digital Augmentation and Accelerating Sustainable Agroecosystems. <i>Studies in Big Data</i> , 2022 , 221-242	0.9	1
80	Mid-Infrared Reflectance Spectroscopy for Estimation of Soil Properties of Alfisols from Eastern India. <i>Sustainability</i> , 2022 , 14, 4883	3.6	0
79	Agroforestry Suitability for Planning Site-Specific Interventions Using Machine Learning Approaches. <i>Sustainability</i> , 2022 , 14, 5189	3.6	0
78	A Holistic Framework towards Developing a Climate-Smart Agri-Food System in the Middle East and North Africa: A Regional Dialogue and Synthesis. <i>Agronomy</i> , 2021 , 11, 2351	3.6	0
77	Satellite evidence on the trade-offs of the food-water-air quality nexus over the breadbasket of India. <i>Global Environmental Change</i> , 2021 , 71, 102394	10.1	3
76	Drought Early Warning in Agri-Food Systems. <i>Climate</i> , 2021 , 9, 134	3.1	6
75	Automated crop type mapping using time-weighted dynamic time warping-A basis to derive inputs for enhanced food and Nutritional Security. <i>Current Research in Environmental Sustainability</i> , 2021 , 3, 100032	5	4
74	Quantification of the Land Potential for Scaling Agroforestry in South Asia. <i>KN - Journal of Cartography and Geographic Information</i> , 2020 , 70, 71-89	2.7	12
73	UAV-Based Multispectral Phenotyping for Disease Resistance to Accelerate Crop Improvement under Changing Climate Conditions. <i>Remote Sensing</i> , 2020 , 12, 2445	5	15
72	Developing quantifiable approaches for delineating suitable options for irrigating fallow areas during dry season-a case study from Eastern India. <i>Environmental Monitoring and Assessment</i> , 2020 , 191, 805	3.1	6
71	Improved estimates of forest cover and loss in the Brazilian Amazon in 2000-2017. <i>Nature Sustainability</i> , 2019 , 2, 764-772	22.1	43
70	Phenology-based discrimination of maize (<i>Zea mays</i> L.) varieties using multitemporal hyperspectral data. <i>Journal of Applied Remote Sensing</i> , 2019 , 13, 1	1.4	8
69	Framework for agricultural performance assessment based on MODIS multitemporal data. <i>Journal of Applied Remote Sensing</i> , 2019 , 13, 1	1.4	13
68	Digital Diffusion for Inclusive Agroecosystems. <i>Advances in Science, Technology and Innovation</i> , 2019 , 7-9	0.3	
67	Remote Spectral Imaging Using a Low Cost sUAV System for Monitoring Rangelands. <i>Advances in Science, Technology and Innovation</i> , 2019 , 143-145	0.3	2
66	GIS-Based multi-criteria land suitability mapping for scaling faba bean varieties in Ethiopia. <i>African Crop Science Journal</i> , 2019 , 27, 687	0.5	2
65	Finding a Suitable Niche for Cultivating Cactus Pear (<i>Opuntia ficus-indica</i>) as an Integrated Crop in Resilient Dryland Agroecosystems of India. <i>Sustainability</i> , 2019 , 11, 5897	3.6	5

64	CART and IDC based classification of irrigated agricultural fields using multi-source satellite data. <i>Geocarto International</i> , 2018 , 33, 70-88	2.7	3
63	Changes in barley (<i>Hordeum vulgare</i> L. subsp. <i>vulgare</i>) genetic diversity and structure in Jordan over a period of 31 years. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2018 , 16, 112-126	1	6
62	Mapping Cropland Abandonment in the Aral Sea Basin with MODIS Time Series. <i>Remote Sensing</i> , 2018 , 10, 159	5	52
61	Exacerbated grassland degradation and desertification in Central Asia during 2000-2014 2018 , 28, 442-456		40
60	Regional-scale monitoring of cropland intensity and productivity with multi-source satellite image time series. <i>GIScience and Remote Sensing</i> , 2018 , 55, 539-567	4.8	24
59	Annual Cropland Mapping Using Reference Landsat Time Series: A Case Study in Central Asia. <i>Remote Sensing</i> , 2018 , 10, 2057	5	17
58	Characterization of spatial variability of soil physicochemical properties and its impact on Rhodes grass productivity. <i>Saudi Journal of Biological Sciences</i> , 2017 , 24, 421-429	4	13
57	Modeling gross primary production of paddy rice cropland through analyses of data from CO2 eddy flux tower sites and MODIS images. <i>Remote Sensing of Environment</i> , 2017 , 190, 42-55	13.2	31
56	Assessing gaps in irrigated agricultural productivity through satellite earth observations: A case study of the Fergana Valley, Central Asia. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2017 , 59, 118-134	7.3	21
55	Application of remote sensing in estimating maize grain yield in heterogeneous African agricultural landscapes: a review. <i>International Journal of Remote Sensing</i> , 2017 , 38, 6816-6845	3.1	29
54	Estimating Agricultural Crop Types and Fallow Lands Using Multi Temporal Sentinel-2A Imageries. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2017 , 87, 769-779	0.9	8
53	Energy determines broad pattern of plant distribution in Western Himalaya. <i>Ecology and Evolution</i> , 2017 , 7, 10850-10860	2.8	21
52	Genotypic and phenotypic changes in wild barley (<i>Hordeum vulgare</i> subsp. <i>spontaneum</i>) during a period of climate change in Jordan. <i>Genetic Resources and Crop Evolution</i> , 2017 , 64, 1295-1312	2	16
51	Quantification of Agricultural Water Productivity at Field Scale and Its Implication in On-Farm Water Management 2017 , 45, 643-656		2
50	Spatiotemporal patterns of paddy rice croplands in China and India from 2000 to 2015. <i>Science of the Total Environment</i> , 2017 , 579, 82-92	10.2	85
49	Decadal National Land Cover Database for Jordan at 30 m resolution. <i>Arabian Journal of Geosciences</i> , 2017 , 10, 1	1.8	10
48	Priority regions for research on dryland cereals and legumes. <i>F1000Research</i> , 2016 , 5, 885	3.6	4
47	Mapping forests in monsoon Asia with ALOS PALSAR 50-m mosaic images and MODIS imagery in 2010. <i>Scientific Reports</i> , 2016 , 6, 20880	4.9	44

46	Mapping paddy rice planting area in northeastern Asia with Landsat 8 images, phenology-based algorithm and Google Earth Engine. <i>Remote Sensing of Environment</i> , 2016 , 185, 142-154	13.2	360
45	Priority regions for research on dryland cereals and legumes. <i>F1000Research</i> , 2016 , 5, 885	3.6	5
44	Spontaneous retropharyngeal emphysema postendodontic treatment. <i>Endodontology</i> , 2016 , 28, 203	0.2	
43	Spectral Reflectance Models for Characterizing Winter Wheat Genotypes. <i>Journal of Crop Improvement</i> , 2016 , 30, 176-195	1.4	6
42	Timely monitoring of Asian Migratory locust habitats in the Amudarya delta, Uzbekistan using time series of satellite remote sensing vegetation index. <i>Journal of Environmental Management</i> , 2016 , 183, 562-575	7.9	12
41	Mapping paddy rice planting areas through time series analysis of MODIS land surface temperature and vegetation index data. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2015 , 106, 157-171	11.8	150
40	Production potential of Lentil (<i>Lens culinaris</i> Medik.) in East Africa. <i>Agricultural Systems</i> , 2015 , 137, 24-38.1	38.1	24
39	Spatial characterization of colonies of the flying fox bat, a carrier of Nipah virus in Thailand. <i>BMC Veterinary Research</i> , 2015 , 11, 81	2.7	16
38	Comparison of four EVI-based models for estimating gross primary production of maize and soybean croplands and tallgrass prairie under severe drought. <i>Remote Sensing of Environment</i> , 2015 , 162, 154-168	13.2	78
37	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	7.3	100
36	A pilot study on the effect of Cu, Zn, and Cd on the spectral curves and chlorophyll of wheat canopy at tiller stage. <i>Toxicological and Environmental Chemistry</i> , 2015 , 97, 454-463	1.4	0
35	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015 , 8, 284-297	4.7	16
34	Tracking the dynamics of paddy rice planting area in 1986-2010 through time series Landsat images and phenology-based algorithms. <i>Remote Sensing of Environment</i> , 2015 , 160, 99-113	13.2	196
33	Sensitivity of vegetation indices and gross primary production of tallgrass prairie to severe drought. <i>Remote Sensing of Environment</i> , 2014 , 152, 1-14	13.2	83
32	A 50-m forest cover map in Southeast Asia from ALOS/PALSAR and its application on forest fragmentation assessment. <i>PLoS ONE</i> , 2014 , 9, e85801	3.7	43
31	The Potential and Uptake of Remote Sensing in Insurance: A Review. <i>Remote Sensing</i> , 2014 , 6, 10888-10912	12	85
30	Mapping deciduous rubber plantations through integration of PALSAR and multi-temporal Landsat imagery. <i>Remote Sensing of Environment</i> , 2013 , 134, 392-402	13.2	143
29	Rivers and flooded areas identified by medium-resolution remote sensing improve risk prediction of the highly pathogenic avian influenza H5N1 in Thailand. <i>Geospatial Health</i> , 2013 , 8, 193-201	2.2	11

28	Mapping evergreen forests in the Brazilian Amazon using MODIS and PALSAR 500-m mosaic imagery. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2012 , 74, 34-40	11.8	14
27	Mapping tropical forests and rubber plantations in complex landscapes by integrating PALSAR and MODIS imagery. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2012 , 74, 20-33	11.8	80
26	A comparison of forest cover maps in Mainland Southeast Asia from multiple sources: PALSAR, MERIS, MODIS and FRA. <i>Remote Sensing of Environment</i> , 2012 , 127, 60-73	13.2	75
25	Improving risk models for avian influenza: the role of intensive poultry farming and flooded land during the 2004 Thailand epidemic. <i>PLoS ONE</i> , 2012 , 7, e49528	3.7	29
24	A library of georeferenced photos from the field. <i>Eos</i> , 2011 , 92, 453-454	1.5	29
23	Modelling the distribution of domestic ducks in Monsoon Asia. <i>Agriculture, Ecosystems and Environment</i> , 2011 , 141, 373-380	5.7	27
22	Integrating SAR and optical imagery for regional mapping of paddy rice attributes in the Poyang Lake Watershed, China. <i>Canadian Journal of Remote Sensing</i> , 2011 , 37, 17-26	1.8	31
21	Quantifying the area and spatial distribution of double- and triple-cropping croplands in India with multi-temporal MODIS imagery in 2005. <i>International Journal of Remote Sensing</i> , 2011 , 32, 367-386	3.1	81
20	Changes in agricultural cropland areas between a water-surplus year and a water-deficit year impacting food security, determined using MODIS 250 m time-series data and spectral matching techniques, in the Krishna River basin (India). <i>International Journal of Remote Sensing</i> , 2011 , 32, 3495-3520	3.1	33
19	Flying over an infected landscape: distribution of highly pathogenic avian influenza H5N1 risk in South Asia and satellite tracking of wild waterfowl. <i>EcoHealth</i> , 2010 , 7, 448-58	3.1	74
18	Irrigated areas of India derived using MODIS 500 m time series for the years 2001-2003. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2010 , 65, 42-59	11.8	60
17	A Simple Algorithm for Large-Scale Mapping of Evergreen Forests in Tropical America, Africa and Asia. <i>Remote Sensing</i> , 2009 , 1, 355-374	5	40
16	Irrigated Area Maps and Statistics of India Using Remote Sensing and National Statistics. <i>Remote Sensing</i> , 2009 , 1, 50-67	5	52
15	Global irrigated area map (GIAM), derived from remote sensing, for the end of the last millennium. <i>International Journal of Remote Sensing</i> , 2009 , 30, 3679-3733	3.1	270
14	Water productivity mapping using remote sensing data of various resolutions to support "more crop per drop". <i>Journal of Applied Remote Sensing</i> , 2009 , 3, 033557	1.4	9
13	A global map of rainfed cropland areas (GMRCA) at the end of last millennium using remote sensing. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2009 , 11, 114-129	7.3	134
12	Land Surface Phenology 2009 , 247-270		14
11	Influence of Resolution in Irrigated Area Mapping and Area Estimation. <i>Photogrammetric Engineering and Remote Sensing</i> , 2009 , 75, 1383-1395	1.6	63

10	Global Irrigated Area Maps (GIAM) and Statistics Using Remote Sensing. <i>Taylor & Francis Series in Remote Sensing Applications</i> , 2009 , 41-117		2
9	Context, Need. <i>Taylor & Francis Series in Remote Sensing Applications</i> , 2009 , 3-10		
8	Irrigated Areas of India Derived from Satellite Sensors and National Statistics. <i>Taylor & Francis Series in Remote Sensing Applications</i> , 2009 , 139-176		
7	A History Of Irrigated Areas Of The World. <i>Taylor & Francis Series in Remote Sensing Applications</i> , 2009 , 13-37		1
6	Water Productivity Mapping (WPM) Using Landsat ETM+ Data for the Irrigated Croplands of the Syrdarya River Basin in Central Asia. <i>Sensors</i> , 2008 , 8, 8156-8180	3.8	42
5	Water productivity mapping methods using remote sensing. <i>Journal of Applied Remote Sensing</i> , 2008 , 2, 023544	1.4	14
4	Sub-pixel Area Calculation Methods for Estimating Irrigated Areas. <i>Sensors</i> , 2007 , 7, 2519-2538	3.8	35
3	Establishing the best spectral bands and timing of imagery for land use and cover (LULC) class separability using Landsat ETM+ and Terra MODIS data. <i>Canadian Journal of Remote Sensing</i> , 2007 , 33, 431-444	1.8	3
2	Forest Canopy Density Stratification: How Relevant is Biophysical Spectral Response Modelling Approach?. <i>Geocarto International</i> , 2005 , 20, 15-21	2.7	16
1	A Global Irrigated Area Map (GIAM) using remote sensing at the end of the last millennium		23