Chandrashekhar Biradar

List of Publications by Citations

81	3,125	29	55
papers	citations	h-index	g-index
90	3,619	4.8	5.08
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
81	Mapping paddy rice planting area in northeastern Asia with Landsat 8 images, phenology-based algorithm and Google Earth Engine. *Remote Sensing of Environment*, **2016**, 185, 142-154	13.2	360
80	Global irrigated area map (GIAM), derived from remote sensing, for the end of the last millennium. *International Journal of Remote Sensing*, **2009**, 30, 3679-3733	3.1	270
79	Tracking the dynamics of paddy rice planting area in 1986 2010 through time series Landsat images and phenology-based algorithms. *Remote Sensing of Environment*, **2015**, 160, 99-113	13.2	196
78	Mapping paddy rice planting areas through time series analysis of MODIS land surface temperature and vegetation index data. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2015**, 106, 157-171	11.8	150
77	Mapping deciduous rubber plantations through integration of PALSAR and multi-temporal Landsat imagery. *Remote Sensing of Environment*, **2013**, 134, 392-402	13.2	143
76	A global map of rainfed cropland areas (GMRCA) at the end of last millennium using remote sensing. *International Journal of Applied Earth Observation and Geoinformation*, **2009**, 11, 114-129	7.3	134
75	New vegetation type map of India prepared using satellite remote sensing: Comparison with global vegetation maps and utilities. *International Journal of Applied Earth Observation and Geoinformation*, **2015**, 39, 142-159	7.3	100
74	Spatiotemporal patterns of paddy rice croplands in China and India from 2000 to 2015. *Science of the Total Environment*, **2017**, 579, 82-92	10.2	85
73	The Potential and Uptake of Remote Sensing in Insurance: A Review. *Remote Sensing*, **2014**, 6, 10888-10912		85
72	Sensitivity of vegetation indices and gross primary production of tallgrass prairie to severe drought. *Remote Sensing of Environment*, **2014**, 152, 1-14	13.2	83
71	Quantifying the area and spatial distribution of double- and triple-cropping croplands in India with multi-temporal MODIS imagery in 2005. *International Journal of Remote Sensing*, **2011**, 32, 367-386	3.1	81
70	Mapping tropical forests and rubber plantations in complex landscapes by integrating PALSAR and MODIS imagery. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2012**, 74, 20-33	11.8	80
69	Comparison of four EVI-based models for estimating gross primary production of maize and soybean croplands and tallgrass prairie under severe drought. *Remote Sensing of Environment*, **2015**, 162, 154-168	13.2	78
68	A comparison of forest cover maps in Mainland Southeast Asia from multiple sources: PALSAR, MERIS, MODIS and FRA. *Remote Sensing of Environment*, **2012**, 127, 60-73	13.2	75
67	Flying over an infected landscape: distribution of highly pathogenic avian influenza H5N1 risk in South Asia and satellite tracking of wild waterfowl. *EcoHealth*, **2010**, 7, 448-58	3.1	74
66	Influence of Resolution in Irrigated Area Mapping and Area Estimation. *Photogrammetric Engineering and Remote Sensing*, **2009**, 75, 1383-1395	1.6	63
65	Irrigated areas of India derived using MODIS 500 m time series for the years 2001 2003. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2010**, 65, 42-59	11.8	60

64	Mapping Cropland Abandonment in the Aral Sea Basin with MODIS Time Series. *Remote Sensing*, **2018**, 10, 159	5	52
63	Irrigated Area Maps and Statistics of India Using Remote Sensing and National Statistics. *Remote Sensing*, **2009**, 1, 50-67	5	52
62	Mapping forests in monsoon Asia with ALOS PALSAR 50-m mosaic images and MODIS imagery in 2010. *Scientific Reports*, **2016**, 6, 20880	4.9	44
61	Improved estimates of forest cover and loss in the Brazilian Amazon in 2000⊠2017. *Nature Sustainability*, **2019**, 2, 764-772	22.1	43
60	A 50-m forest cover map in Southeast Asia from ALOS/PALSAR and its application on forest fragmentation assessment. *PLoS ONE*, **2014**, 9, e85801	3.7	43
59	Water Productivity Mapping (WPM) Using Landsat ETM+ Data for the Irrigated Croplands of the Syrdarya River Basin in Central Asia. *Sensors*, **2008**, 8, 8156-8180	3.8	42
58	A Simple Algorithm for Large-Scale Mapping of Evergreen Forests in Tropical America, Africa and Asia. *Remote Sensing*, **2009**, 1, 355-374	5	40
57	Exacerbated grassland degradation and desertification in Central Asia during 2000-2014 **2018**, 28, 442-456		40
56	Sub-pixel Area Calculation Methods for Estimating Irrigated Areas. *Sensors*, **2007**, 7, 2519-2538	3.8	35
55	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). *International Journal of Remote Sensing*, **2011**, 32, 3495-3520	3.1	33
54	Modeling gross primary production of paddy rice cropland through analyses of data from CO2 eddy flux tower sites and MODIS images. *Remote Sensing of Environment*, **2017**, 190, 42-55	13.2	31
53	Integrating SAR and optical imagery for regional mapping of paddy rice attributes in the Poyang Lake Watershed, China. *Canadian Journal of Remote Sensing*, **2011**, 37, 17-26	1.8	31
52	Application of remote sensing in estimating maize grain yield in heterogeneous African agricultural landscapes: a review. *International Journal of Remote Sensing*, **2017**, 38, 6816-6845	3.1	29
51	A library of georeferenced photos from the field. *Eos*, **2011**, 92, 453-454	1.5	29
50	Improving risk models for avian influenza: the role of intensive poultry farming and flooded land during the 2004 Thailand epidemic. *PLoS ONE*, **2012**, 7, e49528	3.7	29
49	Modelling the distribution of domestic ducks in Monsoon Asia. *Agriculture, Ecosystems and Environment*, **2011**, 141, 373-380	5.7	27
48	Production potential of Lentil (Lens culinaris Medik.) in East Africa. *Agricultural Systems*, **2015**, 137, 24-38	5.1	24
47	Regional-scale monitoring of cropland intensity and productivity with multi-source satellite image time series. *GIScience and Remote Sensing*, **2018**, 55, 539-567	4.8	24

46	A Global Irrigated Area Map (GIAM) using remote sensing at the end of the last millennium		23
45	Assessing gaps in irrigated agricultural productivity through satellite earth observations A case study of the Fergana Valley, Central Asia. *International Journal of Applied Earth Observation and Geoinformation*, **2017**, 59, 118-134	7.3	21
44	Energy determines broad pattern of plant distribution in Western Himalaya. *Ecology and Evolution*, **2017**, 7, 10850-10860	2.8	21
43	Annual Cropland Mapping Using Reference Landsat Time Series A Case Study in Central Asia. *Remote Sensing*, **2018**, 10, 2057	5	17
42	Spatial characterization of colonies of the flying fox bat, a carrier of Nipah virus in Thailand. *BMC Veterinary Research*, **2015**, 11, 81	2.7	16
41	Genotypic and phenotypic changes in wild barley (Hordeum vulgare subsp. spontaneum) during a period of climate change in Jordan. *Genetic Resources and Crop Evolution*, **2017**, 64, 1295-1312	2	16
40	. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2015**, 8, 284-297	4.7	16
39	Forest Canopy Density Stratification: How Relevant is Biophysical Spectral Response Modelling Approach?. *Geocarto International*, **2005**, 20, 15-21	2.7	16
38	UAV-Based Multispectral Phenotyping for Disease Resistance to Accelerate Crop Improvement under Changing Climate Conditions. *Remote Sensing*, **2020**, 12, 2445	5	15
37	Mapping evergreen forests in the Brazilian Amazon using MODIS and PALSAR 500-m mosaic imagery. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2012**, 74, 34-40	11.8	14
36	Land Surface Phenology **2009**, 247-270		14
35	Water productivity mapping methods using remote sensing. *Journal of Applied Remote Sensing*, **2008**, 2, 023544	1.4	14
34	Characterization of spatial variability of soil physicochemical properties and its impact on Rhodes grass productivity. *Saudi Journal of Biological Sciences*, **2017**, 24, 421-429	4	13
33	Framework for agricultural performance assessment based on MODIS multitemporal data. *Journal of Applied Remote Sensing*, **2019**, 13, 1	1.4	13
32	Quantification of the Land Potential for Scaling Agroforestry in South Asia. *KN - Journal of Cartography and Geographic Information*, **2020**, 70, 71-89	2.7	12
31	Timely monitoring of Asian Migratory locust habitats in the Amudarya delta, Uzbekistan using time series of satellite remote sensing vegetation index. *Journal of Environmental Management*, **2016**, 183, 562-575	7.9	12
30	Rivers and flooded areas identified by medium-resolution remote sensing improve risk prediction of the highly pathogenic avian influenza H5N1 in Thailand. *Geospatial Health*, **2013**, 8, 193-201	2.2	11
29	Decadal National Land Cover Database for Jordan at 30 m resolution. *Arabian Journal of Geosciences*, **2017**, 10, 1	1.8	10

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28	Water productivity mapping using remote sensing data of various resolutions to support "more crop per drop". *Journal of Applied Remote Sensing*, **2009**, 3, 033557	1.4	9
27	Estimating Agricultural Crop Types and Fallow Lands Using Multi Temporal Sentinel-2A Imageries. *Proceedings of the National Academy of Sciences India Section A - Physical Sciences*, **2017**, 87, 769-779	0.9	8
26	Phenology-based discrimination of maize (Zea mays L.) varieties using multitemporal hyperspectral data. *Journal of Applied Remote Sensing*, **2019**, 13, 1	1.4	8
25	Changes in barley (Hordeum vulgare L. subsp. vulgare) genetic diversity and structure in Jordan over a period of 31 years. *Plant Genetic Resources: Characterisation and Utilisation*, **2018**, 16, 112-126	1	6
24	Spectral Reflectance Models for Characterizing Winter Wheat Genotypes. *Journal of Crop Improvement*, **2016**, 30, 176-195	1.4	6
23	Developing quantifiable approaches for delineating suitable options for irrigating fallow areas during dry season-a case study from Eastern India. *Environmental Monitoring and Assessment*, **2020**, 191, 805	3.1	6
22	Drought Early Warning in Agri-Food Systems. *Climate*, **2021**, 9, 134	3.1	6
21	Priority regions for research on dryland cereals and legumes. *F1000Research*, **2016**, 5, 885	3.6	5
20	Finding a Suitable Niche for Cultivating Cactus Pear (Opuntia ficus-indica) as an Integrated Crop in Resilient Dryland Agroecosystems of India. *Sustainability*, **2019**, 11, 5897	3.6	5
19	Priority regions for research on dryland cereals and legumes. *F1000Research*, **2016**, 5, 885	3.6	4
18	Automated crop type mapping using time-weighted dynamic time warping-A basis to derive inputs for enhanced food and Nutritional Security. *Current Research in Environmental Sustainability*, **2021**, 3, 100032	5	4
17	CART and IDC based classification of irrigated agricultural fields using multi-source satellite data. *Geocarto International*, **2018**, 33, 70-88	2.7	3
16	Establishing the best spectral bands and timing of imagery for land use land cover (LULC) class separability using Landsat ETM+ and Terra MODIS data. *Canadian Journal of Remote Sensing*, **2007**, 33, 431-444	1.8	3
15	Satellite evidence on the trade-offs of the food-water air quality nexus over the breadbasket of India. *Global Environmental Change*, **2021**, 71, 102394	10.1	3
14	Quantification of Agricultural Water Productivity at Field Scale and Its Implication in On-Farm Water Management **2017**, 45, 643-656		2
13	Global Irrigated Area Maps (GIAM) and Statistics Using Remote Sensing. *Taylor & Francis Series in Remote Sensing Applications*, **2009**, 41-117		2
12	Remote Spectral Imaging Using a Low Cost sUAV System for Monitoring Rangelands. *Advances in Science, Technology and Innovation*, **2019**, 143-145	0.3	2
11	GIS-Based multi-criteria land suitability mapping for scaling faba bean varieties in Ethiopia. *African Crop Science Journal*, **2019**, 27, 687	0.5	2

10	Geo-Big Data in Digital Augmentation and Accelerating Sustainable Agroecosystems. *Studies in Big Data*, **2022**, 221-242	0.9	1
9	A History Of Irrigated Areas Of The World. *Taylor & Francis Series in Remote Sensing Applications*, **2009**, 13-37		1
8	A pilot study on the effect of Cu, Zn, and Cd on the spectral curves and chlorophyll of wheat canopy at tiller stage. *Toxicological and Environmental Chemistry*, **2015**, 97, 454-463	1.4	0
7	A Holistic Framework towards Developing a Climate-Smart Agri-Food System in the Middle East and North Africa: A Regional Dialogue and Synthesis. *Agronomy*, **2021**, 11, 2351	3.6	0
6	Mid-Infrared Reflectance Spectroscopy for Estimation of Soil Properties of Alfisols from Eastern India. *Sustainability*, **2022**, 14, 4883	3.6	0
5	Agroforestry Suitability for Planning Site-Specific Interventions Using Machine Learning Approaches. *Sustainability*, **2022**, 14, 5189	3.6	0
4	Digital Diffusion for Inclusive Agroecosystems. *Advances in Science, Technology and Innovation*, **2019**, 7-9	0.3	
3	Spontaneous retropharyngeal emphysema postendodontic treatment. *Endodontology*, **2016**, 28, 203	0.2	
2	Context, Need. *Taylor & Francis Series in Remote Sensing Applications*, **2009**, 3-10		
1	Irrigated Areas of India Derived from Satellite Sensors and National Statistics. *Taylor & Francis Series in Remote Sensing Applications*, **2009**, 139-176		