

Sudhakar Reddy

List of Publications by Year in descending order

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Version: 2024-02-01

106
papers

2,120
citations

236612

25
h-index

301761

39
g-index

106
all docs

106
docs citations

106
times ranked

2035
citing authors

#	ARTICLE	IF	CITATIONS
1	DPPNet: An Efficient and Robust Deep Learning Network for Land Cover Segmentation From High-Resolution Satellite Images. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2023, 7, 128-139.	3.4	4
2	The effectiveness of Tiger Conservation Landscapes in decreasing deforestation in South Asia: a remote sensing-based study. <i>Spatial Information Research</i> , 2022, 30, 63-75.	1.3	6
3	DIResUNet: Architecture for multiclass semantic segmentation of high resolution remote sensing imagery data. <i>Applied Intelligence</i> , 2022, 52, 15462-15482.	3.3	11
4	Advancing Global Biodiversity Governance: Recommendations for Strengthening the Post-2020 Global Biodiversity Framework. <i>Anthropocene Science</i> , 2022, 1, 195-203.	1.6	3
5	Analysing the trends in annual forest loss hotspots in the regional landscape of Eastern Ghats, India. <i>Remote Sensing Applications: Society and Environment</i> , 2022, 26, 100731.	0.8	2
6	Taxonomic estimates of climbing plants in India: how many species are out there?. <i>Ecoscience</i> , 2022, 29, 325-343.	0.6	6
7	Remote sensing enabled essential biodiversity variables for biodiversity assessment and monitoring: technological advancement and potentials. <i>Biodiversity and Conservation</i> , 2021, 30, 1-14.	1.2	25
8	Assessment of forest fragmentation in a traditional shifting agricultural landscape in Senapati District of Manipur, Northeast India. <i>Environment, Development and Sustainability</i> , 2021, 23, 10344-10356.	2.7	5
9	Patterns of animal and plant discoveries, distribution and endemism in India—implications on the effectiveness of the protected area network. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 62.	1.3	5
10	Dehazing of Satellite Images using Adaptive Black Widow Optimization-based framework. <i>International Journal of Remote Sensing</i> , 2021, 42, 5068-5086.	1.3	5
11	Remote sensing of biodiversity: what to measure and monitor from space to species?. <i>Biodiversity and Conservation</i> , 2021, 30, 2617-2631.	1.2	31
12	Tracking forest loss and fragmentation between 1930 and 2020 in Asian elephant (<i>Elephas maximus</i>) range in Nepal. <i>Scientific Reports</i> , 2021, 11, 19514.	1.6	12
13	Predicting the potential sites of <i>Chromolaena odorata</i> and <i>Lantana camara</i> in forest landscape of Eastern Ghats using habitat suitability models. <i>Ecological Informatics</i> , 2021, 66, 101455.	2.3	12
14	Seasonal fluctuation in three mode of greenhouse gases emission in relation to soil labile carbon pools in degraded mangrove, Sundarban, India. <i>Science of the Total Environment</i> , 2020, 705, 135909.	3.9	38
15	Characterizing Distribution of Forest Fires in Myanmar Using Earth Observations and Spatial Statistics Tool. <i>Journal of the Indian Society of Remote Sensing</i> , 2020, 48, 227-234.	1.2	5
16	Characterizing Vegetation Fire dynamics in Myanmar and South Asian Countries. <i>Journal of the Indian Society of Remote Sensing</i> , 2020, 48, 1829-1843.	1.2	7
17	Spatial Conservation Prioritisation of Threatened Forest Ecosystems in Myanmar. <i>Journal of the Indian Society of Remote Sensing</i> , 2019, 47, 1737-1749.	1.2	6
18	Quantifying and predicting multi-decadal forest cover changes in Myanmar: a biodiversity hotspot under threat. <i>Biodiversity and Conservation</i> , 2019, 28, 1129-1149.	1.2	30

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19	Identification and characterization of spatio-temporal hotspots of forest fires in South Asia. Environmental Monitoring and Assessment, 2019, 191, 791.	1.3	44
20	Assessment of historical forest cover loss and fragmentation in Asian elephant ranges in India. Environmental Monitoring and Assessment, 2019, 191, 802.	1.3	29
21	Holistic correlation of world's largest social safety net and its outcomes with Sustainable Development Goals. International Journal of Sustainable Development and World Ecology, 2019, 26, 113-128.	3.2	15
22	Earth observation data for assessing biodiversity conservation priorities in South Asia. Biodiversity and Conservation, 2019, 28, 2197-2219.	1.2	16
23	Characterization of Species Diversity and Forest Health using AVIRIS-NG Hyperspectral Remote Sensing Data. Current Science, 2019, 116, 1124.	0.4	22
24	Quantifying nationwide land cover and historical changes in forests of Nepal (1930-2014): implications on forest fragmentation. Biodiversity and Conservation, 2018, 27, 91-107.	1.2	41
25	Assessing and Predicting Decadal Forest Cover Changes and Forest Fragmentation in Kinnerasani Wildlife Sanctuary, Telangana, India. Journal of the Indian Society of Remote Sensing, 2018, 46, 729-735.	1.2	7
26	Assessment and monitoring of deforestation and forest fragmentation in South Asia since the 1930s. Global and Planetary Change, 2018, 161, 132-148.	1.6	48
27	Persistent negative changes in seasonal greenness over different forest types of India using MODIS time series NDVI data (2001-2014). Ecological Indicators, 2018, 85, 887-903.	2.6	50
28	Coordination with the Help of Geographical Coordinates: g-Governance in India. Journal of Map and Geography Libraries, 2018, 14, 75-100.	0.1	2
29	Earth Observations based Conservation Prioritization in Western Ghats, India. Journal of the Geological Society of India, 2018, 92, 562-567.	0.5	3
30	Significant decline of forest fires in Nilgiri Biosphere Reserve, India. Remote Sensing Applications: Society and Environment, 2018, 11, 172-185.	0.8	5
31	Impact Assessment on Floral Composition and Spread Potential of Mikania micrantha H.B.K. in an Urban Scenario. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2017, 87, 777-788.	0.4	1
32	Monitoring of deforestation and land use changes (1925-2012) in Idukki district, Kerala, India using remote sensing and GIS. Journal of the Indian Society of Remote Sensing, 2017, 45, 163-170.	1.2	14
33	Predictive modelling of the spatial pattern of past and future forest cover changes in India. Journal of Earth System Science, 2017, 126, 1.	0.6	51
34	Habitat monitoring and conservation prioritisation of protected areas in Western Ghats, Kerala, India. Environmental Monitoring and Assessment, 2017, 189, 295.	1.3	8
35	A Novel Adaptive Cuckoo Search Algorithm for Contrast Enhancement of Satellite Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 3665-3676.	2.3	48
36	Monitoring of fire incidences in vegetation types and Protected Areas of India: Implications on carbon emissions. Journal of Earth System Science, 2017, 126, 1.	0.6	24

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37	Modeling the spatial dynamics of deforestation and fragmentation using Multi-Layer Perceptron neural network and landscape fragmentation tool. <i>Ecological Engineering</i> , 2017, 99, 543-551.	1.6	35
38	Development of spatial database on intact forest landscapes of India. <i>Global and Planetary Change</i> , 2017, 148, 131-138.	1.6	6
39	Earth observation data for assessment of nationwide land cover and long-term deforestation in Afghanistan. <i>Global and Planetary Change</i> , 2017, 155, 155-164.	1.6	12
40	Sustainable Biodiversity Management in India: Remote Sensing Perspective. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2017, 87, 617-627.	0.8	7
41	<i>Achyranthes longifolia</i> (Makino) Makino (Amaranthaceae): An Angiosperm New to India. <i>The National Academy of Sciences, India</i> , 2017, 40, 57-60.	0.8	1
42	Development of National Database on Long-term Deforestation in Sri Lanka. <i>Journal of the Indian Society of Remote Sensing</i> , 2017, 45, 825-836.	1.2	11
43	Earth observation data for habitat monitoring in protected areas of India. <i>Remote Sensing Applications: Society and Environment</i> , 2017, 8, 114-125.	0.8	8
44	Nationwide Assessment of Forest Burnt Area in India Using Resourcesat-2 AWiFS Data. <i>Current Science</i> , 2017, 112, 1521.	0.4	26
45	Spatio-temporal changes associated with natural and anthropogenic factors in wetlands of Great Rann of Kachchh, India. <i>Journal of Coastal Conservation</i> , 2016, 20, 145-155.	0.7	8
46	Estimating carbon emissions from forest fires over a decade in Similipal Biosphere Reserve, India. <i>Remote Sensing Applications: Society and Environment</i> , 2016, 4, 61-67.	0.8	12
47	Development of deforestation and land cover database for Bhutan (1930â€“2014). <i>Environmental Monitoring and Assessment</i> , 2016, 188, 658.	1.3	14
48	A case study on utilization of RISAT-1 SAR data for forest burnt area detection in India. , 2016, , .		1
49	Long Term Monitoring of Forest Fires in Silent Valley National Park, Western Ghats, India Using Remote Sensing Data. <i>Journal of the Indian Society of Remote Sensing</i> , 2016, 44, 207-215.	1.2	5
50	Geospatial assessment of long-term changes in carbon stocks and fluxes in forests of India (1930â€“2013). <i>Global and Planetary Change</i> , 2016, 143, 50-65.	1.6	19
51	Long term changes in forest cover and land use of Similipal Biosphere Reserve of India using satellite remote sensing data. <i>Journal of Earth System Science</i> , 2016, 125, 559-569.	0.6	11
52	Geospatial Analysis of Reed Bamboo (<i>Ochlandra travancorica</i>) Invasion in Western Ghats, India. <i>Journal of the Indian Society of Remote Sensing</i> , 2016, 44, 699-711.	1.2	9
53	Assessment of Land Cover Change Hotspots in Gulf of Kachchh, India Using Multi-Temporal Remote Sensing Data and GIS. <i>Journal of the Indian Society of Remote Sensing</i> , 2016, 44, 905-913.	1.2	25
54	Assessment and monitoring of long-term forest cover changes (1920â€“2013) in Western Ghats biodiversity hotspot. <i>Journal of Earth System Science</i> , 2016, 125, 103-114.	0.6	53

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55	Development of national database on long-term deforestation (1930–2014) in Bangladesh. <i>Global and Planetary Change</i> , 2016, 139, 173-182.	1.6	71
56	Conservation priorities of forest ecosystems: Evaluation of deforestation and degradation hotspots using geospatial techniques. <i>Ecological Engineering</i> , 2016, 91, 333-342.	1.6	28
57	Quantification and monitoring of deforestation in India over eight decades (1930–2013). <i>Biodiversity and Conservation</i> , 2016, 25, 93-116.	1.2	146
58	Quantification and Monitoring of Forest Cover Changes in Agasthyamalai Biosphere Reserve, Western Ghats, India (1920-2012). <i>Current Science</i> , 2016, 110, 508.	0.4	19
59	Assessment and Monitoring of Deforestation and Land-Use Changes (1976-2014) in Andaman and Nicobar Islands, India Using Remote Sensing and GIS. <i>Current Science</i> , 2016, 111, 1492.	0.4	7
60	Multi-source and multi-date mapping of deforestation in Central India (1935-2010) and its implication on standing phytomass carbon pool. <i>Ecological Indicators</i> , 2015, 57, 219-227.	2.6	9
61	<i>Achyranthes coynei</i> Santapau (Amaranthaceae): An Endemic and Threatened Species from Kachchh Desert, India. <i>The National Academy of Sciences, India</i> , 2015, 38, 281-282.	0.8	3
62	Nationwide classification of forest types of India using remote sensing and GIS. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 777.	1.3	120
63	Geospatial monitoring and prioritization of forest fire incidences in Andhra Pradesh, India. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 616.	1.3	8
64	Applications of Remote Sensing in Plant Sciences: An Overview. , 2015, , 713-727.		1
65	Geospatial characterization of deforestation, fragmentation and forest fires in Telangana state, India: conservation perspective. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 455.	1.3	10
66	Massive Invasion of Mesquite (<i>Prosopis juliflora</i>) in Wild Ass Wildlife Sanctuary, India. <i>The National Academy of Sciences, India</i> , 2015, 38, 271-273.	0.8	6
67	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
68	Distribution of <i>Andrographis</i> species in Different Districts of Andhra Pradesh. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2015, 85, 601-606.	0.4	19
69	Satellite image based quantification of invasion and patch dynamics of mesquite (<i>Prosopis juliflora</i>) in Great Rann of Kachchh, Kachchh Biosphere Reserve, Gujarat, India. <i>Journal of Earth System Science</i> , 2014, 123, 1481-1490.	0.6	13
70	Threat evaluation for biodiversity conservation of forest ecosystems using geospatial techniques: A case study of Odisha, India. <i>Ecological Engineering</i> , 2014, 69, 287-303.	1.6	34
71	Geospatial assessment and monitoring of historical forest cover changes (1920–2012) in Nilgiri Biosphere Reserve, Western Ghats, India. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 8125-8140.	1.3	34
72	Vegetation, land cover and land use changes of the last 200 years in the Eastern Ghats (southern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 <i>International</i> , 2014, 325, 93-104.	0.7	17

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73	Decadal time-scale monitoring of forest fires in Simlipal Biosphere Reserve, India using remote sensing and GIS. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 3283-3296.	1.3	23
74	Landscape level analysis of disturbance regimes in protected areas of Rajasthan, India. <i>Journal of Earth System Science</i> , 2014, 123, 467-478.	0.6	6
75	<i>Thunia Rchb.f. (Orchidaceae): A New Generic Record for Eastern Ghats in Andhra Pradesh, India.</i> <i>The National Academy of Sciences, India</i> , 2014, 37, 199-201.	0.8	0
76	Landscape level assessment of critically endangered vegetation of Lakshadweep islands using geo-spatial techniques. <i>Journal of Earth System Science</i> , 2013, 122, 271-281.	0.6	7
77	National assessment of forest fragmentation in India: Landscape indices as measures of the effects of fragmentation and forest cover change. <i>Ecological Engineering</i> , 2013, 60, 453-464.	1.6	105
78	Assessment and monitoring of long-term forest cover changes in Odisha, India using remote sensing and GIS. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 4399-4415.	1.3	63
79	Forest Fire Monitoring in Nagarjunasagar-Srisailem Tiger Reserve, Andhra Pradesh, India Using Geospatial Techniques. <i>The National Academy of Sciences, India</i> , 2013, 36, 437-446.	0.8	6
80	The Use of Remote Sensing to Quantify Spatio-Temporal Land Cover Changes in Point Calimere, a Ramsar Site. <i>The National Academy of Sciences, India</i> , 2012, 35, 85-90.	0.8	4
81	Spatial Assessment of Land Use in Barak Valley, Assam Using Satellite Remote Sensing Data. <i>The National Academy of Sciences, India</i> , 2012, 35, 439-443.	0.8	4
82	<i>Cyathea nilgirensis holttum: A Little Known Endemic Species on the Verge of Extinction in the Eastern Ghats.</i> <i>The National Academy of Sciences, India</i> , 2012, 35, 17-18.	0.8	0
83	Impediment to Taxonomy and Its Impact on Biodiversity Science: An Indian Perspective. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2012, 82, 235-240.	0.4	20
84	Mapping and Inventory of Forest Fires in Andhra Pradesh, India: Current Status and Conservation Needs. <i>ISRN Forestry</i> , 2012, 2012, 1-10.	1.0	16
85	Assessment and monitoring of spatio-temporal changes in Keoladeo Ghana National Park, Rajasthan, India using geoinformatics. <i>Nepalese Journal of Ophthalmology</i> , 2011, 4, 33-42.	0.1	8
86	Assessment of spatial and temporal dynamics of tropical forest cover: A case study in Malkangiri district of Orissa, India. <i>Journal of Chinese Geography</i> , 2011, 21, 176-192.	1.5	13
87	Structure and floristic composition of tree stand in tropical forest in the Eastern Ghats of northern Andhra Pradesh, India. <i>Journal of Forestry Research</i> , 2011, 22, 491-500.	1.7	31
88	Survey-gap analysis for botanical research using integrated approach through taxonomical data and geoinformatics. <i>Journal of the Indian Society of Remote Sensing</i> , 2010, 38, 577-584.	1.2	3
89	Geospatial modeling of biological richness in Kuldiha wildlife sanctuary of Orissa, India. <i>Journal of the Indian Society of Remote Sensing</i> , 2010, 38, 477-485.	1.2	6
90	Assessment of Fragmentation and Disturbance Patterns in Eastern Ghats: A Case Study in R.V. Nagar Range, Visakhapatnam District, Andhra Pradesh, India. <i>Journal of the Indian Society of Remote Sensing</i> , 2010, 38, 633-639.	1.2	7

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91	Assessing forest canopy closure in a geospatial medium to address management concerns for tropical islands in Southeast Asia. <i>Environmental Monitoring and Assessment</i> , 2010, 160, 541-553.	1.3	18
92	Spatial interpolation of carbon stock: a case study from the Western Ghats biodiversity hotspot, India. <i>International Journal of Sustainable Development and World Ecology</i> , 2010, 17, 481-486.	3.2	6
93	An assessment of floristic diversity of Gandhamardan Hill Range, Orissa, India. <i>Bangladesh Journal of Plant Taxonomy</i> , 2009, 16, 29-36.	0.1	6
94	Assessment of tsunami and anthropogenic impacts on the forest of the North Andaman Islands, India. <i>International Journal of Remote Sensing</i> , 2009, 30, 1235-1249.	1.3	21
95	Assessment of large-scale deforestation of Nawarangpur district, Orissa, India: a remote sensing based study. <i>Environmental Monitoring and Assessment</i> , 2009, 154, 325-335.	1.3	29
96	An ethnobotanical survey of medicinal plants used by the Didayi tribe of Malkangiri district of Orissa, India. <i>Journal of Ethnopharmacology</i> , 2008, 79, 67-71.	1.1	29
97	Folklore medicinal plants of North Andaman Islands, India. <i>Journal of Ethnopharmacology</i> , 2008, 79, 458-464.	1.1	46
98	Assessment of Three Decade Vegetation Dynamics in Mangroves of Godavari Delta, India Using Multi-Temporal Satellite Data and GIS. <i>Research Journal of Environmental Sciences</i> , 2008, 2, 108-115.	0.5	20
99	Vegetation Cover Mapping and Landscape Level Disturbance Gradient Analysis in Warangal District, Andhra Pradesh, India Using Satellite Remote Sensing and GIS. <i>Space Research Journal</i> , 2008, 1, 29-38.	3.0	13
100	<i>Cycas sphaerica</i> Roxb.: A Little Known Endemic Species from Eastern Ghats, India. <i>Journal of Plant Sciences</i> , 2007, 2, 362-365.	0.2	3
101	Census of Endemic Flowering Plants of Kerala, India. <i>Journal of Plant Sciences</i> , 2007, 2, 489-503.	0.2	3
102	Estimation of Trees Outside Forests using IRS High Resolution data by Object Based Image Analysis. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XL-8, 623-629.	0.2	8
103	Spatial dynamics of deforestation and forest fragmentation (1930-2013) in Eastern Ghats, India. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XL-8, 637-644.	0.2	5
104	ASSESSMENT OF PLANT FUNCTIONAL TYPES IN TROPICAL ARID AND SEMI-ARID ECOSYSTEMS OF INDIA USING REMOTE SENSING DATA AND GIS. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XXXVIII-8/W20, 150-150.	0.2	0
105	Lectotypification of Some Names in Rivina (Petiveriaceae) and a New Synonym of Rivina humilis L.. <i>The National Academy of Sciences, India</i> , 0, , 1.	0.8	0
106	Monitoring trends in global vegetation fire hot spots using MODIS data. <i>Spatial Information Research</i> , 0, , .	1.3	4