

Krishna Prasad Vadrevu

List of Publications by Citations

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62

papers

1,823

citations

28

h-index

42

g-index

72

ext. papers

2,154

ext. citations

4.9

avg, IF

5.28

L-index

#	Paper	IF	Citations
62	Support vector machines and object-based classification for obtaining land-use/cover cartography from Hyperion hyperspectral imagery. <i>Computers and Geosciences</i> , 2012 , 41, 99-107	4.5	152
61	MODIS derived fire characteristics and aerosol optical depth variations during the agricultural residue burning season, north India. <i>Environmental Pollution</i> , 2011 , 159, 1560-9	9.3	120
60	Fire risk evaluation using multicriteria analysis--a case study. <i>Environmental Monitoring and Assessment</i> , 2010 , 166, 223-39	3.1	105
59	Active fires from the Suomi NPP Visible Infrared Imaging Radiometer Suite: Product status and first evaluation results. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 803-816	4.4	98
58	Vegetation fires in the himalayan region: Aerosol load, black carbon emissions and smoke plume heights. <i>Atmospheric Environment</i> , 2012 , 47, 241-251	5.3	96
57	Peat-fire-related air pollution in Central Kalimantan, Indonesia. <i>Environmental Pollution</i> , 2014 , 195, 257-663	6.3	87
56	A comparison of Spectral Angle Mapper and Artificial Neural Network classifiers combined with Landsat TM imagery analysis for obtaining burnt area mapping. <i>Sensors</i> , 2010 , 10, 1967-85	3.8	76
55	Mapping Double and Single Crop Paddy Rice With Sentinel-1A at Varying Spatial Scales and Polarizations in Hanoi, Vietnam. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018 , 11, 498-512	4.7	74
54	Vegetation fires, absorbing aerosols and smoke plume characteristics in diverse biomass burning regions of Asia. <i>Environmental Research Letters</i> , 2015 , 10, 105003	6.2	68
53	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2013 , 6, 224-238	4.7	62
52	Analysis of Southeast Asian pollution episode during June 2013 using satellite remote sensing datasets. <i>Environmental Pollution</i> , 2014 , 195, 245-56	9.3	55
51	Trends in Vegetation fires in South and Southeast Asian Countries. <i>Scientific Reports</i> , 2019 , 9, 7422	4.9	53
50	Vegetation fires and air pollution in Vietnam. <i>Environmental Pollution</i> , 2014 , 195, 267-75	9.3	49
49	Patterns of CO ₂ and radiocarbon across high northern latitudes during International Polar Year 2008. <i>Journal of Geophysical Research</i> , 2011 , 116,		48
48	Satellite based analysis of fire-carbon monoxide relationships from forest and agricultural residue burning (2003-2011). <i>Atmospheric Environment</i> , 2013 , 64, 179-191	5.3	47
47	Spatial and temporal variations of air pollution over 41 cities of India during the COVID-19 lockdown period. <i>Scientific Reports</i> , 2020 , 10, 16574	4.9	41
46	Spatial patterns in vegetation fires in the Indian region. <i>Environmental Monitoring and Assessment</i> , 2008 , 147, 1-13	3.1	40

45	Analysis of air pollution over Hanoi, Vietnam using multi-satellite and MERRA reanalysis datasets. <i>PLoS ONE</i> , 2018 , 13, e0196629	3.7	40
44	Improved rice residue burning emissions estimates: Accounting for practice-specific emission factors in air pollution assessments of Vietnam. <i>Environmental Pollution</i> , 2018 , 236, 795-806	9.3	38
43	Above-ground biomass mapping in West African dryland forest using Sentinel-1 and 2 datasets - A case study. <i>Remote Sensing of Environment</i> , 2020 , 236, 111496	13.2	38
42	Land cover, land use changes and air pollution in Asia: a synthesis. <i>Environmental Research Letters</i> , 2017 , 12, 120201	6.2	33
41	Spectral angle mapper and object-based classification combined with hyperspectral remote sensing imagery for obtaining land use/cover mapping in a Mediterranean region. <i>Geocarto International</i> , 2013 , 28, 114-129	2.7	32
40	Factors controlling vegetation fires in protected and non-protected areas of myanmar. <i>PLoS ONE</i> , 2015 , 10, e0124346	3.7	31
39	Spatial distribution of forest fires and controlling factors in Andhra Pradesh, India using SPOT satellite datasets. <i>Environmental Monitoring and Assessment</i> , 2006 , 123, 75-96	3.1	30
38	Fire regimes and potential bioenergy loss from agricultural lands in the Indo-Gangetic Plains. <i>Journal of Environmental Management</i> , 2015 , 148, 10-20	7.9	29
37	Intercomparison of MODIS AQUA and VIIRS I-Band Fires and Emissions in an Agricultural Landscape-Implications for Air Pollution Research. <i>Remote Sensing</i> , 2018 , 10, 978	5	28
36	Case Study of an Integrated Framework for Quantifying Agroecosystem Health. <i>Ecosystems</i> , 2008 , 11, 283-306	3.9	28
35	Remote sensing of agriculture South/Southeast Asia research initiative special issue. <i>International Journal of Remote Sensing</i> , 2019 , 40, 8071-8075	3.1	25
34	Characteristics of the atmospheric CO2 signal as observed over the conterminous United States during INTEX-NA. <i>Journal of Geophysical Research</i> , 2008 , 113,		24
33	Analysis of fire events and controlling factors in eastern india using spatial scan and multivariate statistics. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2008 , 90, 315-328	1.1	17
32	Fire Disturbance in Tropical Forests of Myanmar Analysis Using MODIS Satellite Datasets. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015 , 8, 2273-2281	4.7	16
31	Wavelet analysis of airborne CO2 measurements and related meteorological parameters over heterogeneous landscapes. <i>Atmospheric Research</i> , 2011 , 102, 77-90	5.4	9
30	Contemporary forest loss in Myanmar: Effect of democratic transition and subsequent timber bans on landscape structure and composition. <i>Ambio</i> , 2021 , 50, 914-928	6.5	8
29	Spatial pattern analysis of fire events in Central India A case study. <i>Geocarto International</i> , 2009 , 24, 115-131	2.7	6
28	Wheat Area Mapping in Afghanistan Based on Optical and SAR Time-Series Images in Google Earth Engine Cloud Environment. <i>Frontiers in Environmental Science</i> , 2020 , 8,	4.8	5

27	Spatio-Temporal Analysis of Land and Forest Fires in Indonesia Using MODIS Active Fire Dataset. <i>Springer Remote Sensing/photogrammetry</i> , 2018 , 105-127	0.2	5
26	Spatio-temporal analysis of fire events in India: implications for environmental conservation. <i>Journal of Environmental Planning and Management</i> , 2008 , 51, 817-832	2.8	5
25	PM2.5 Emissions from Biomass Burning in South/Southeast Asia [Uncertainties and Trade-Offs 2021 , 149-169		5
24	Evaluation of vegetation greenness metrics for characterizing tropical forest cover types[case study using NOAA AVHRR datasets. <i>Geocarto International</i> , 2007 , 22, 29-48	2.7	3
23	Spatial Variations in Vegetation Fires and Carbon Monoxide Concentrations in South Asia. <i>Society of Earth Scientists Series</i> , 2014 , 131-149	0.6	3
22	Focus on land use cover changes and environmental impacts in South/Southeast Asia. <i>Environmental Research Letters</i> , 2020 , 15, 100201	6.2	2
21	Biomass Burning Emissions Variation from Satellite-Derived Land Cover, Burned Area, and Emission Factors in Vietnam. <i>Springer Remote Sensing/photogrammetry</i> , 2018 , 171-201	0.2	1
20	South/Southeast Asia Research Initiative (SARI): A Response to Regional Needs in Land Cover/Land Use Change Science and Education. <i>Springer Remote Sensing/photogrammetry</i> , 2018 , 3-29	0.2	
19	Hydro-Logic: Poverty, Heterogeneity and Cooperation on the Commons by Mathew Kurian and Ton Dietz. <i>Development and Change</i> , 2008 , 39, 496-498	2.9	
18	Feeding the World: An Economic History of Agriculture, 1800[2000 by Giovanni Federico. <i>Development and Change</i> , 2007 , 38, 776-777	2.9	
17	Development of Environmental Policy in Japan and Asian Countries edited by Tadayoshi Terao and Kenji Otsuka. <i>Development and Change</i> , 2007 , 38, 974-976	2.9	
16	Practical Ecology for Planners, Developers, and Citizens, by Dan L. Perlman and Jeffrey C. Milder. <i>Journal of Regional Science</i> , 2007 , 47, 1008-1009	1.8	
15	Burnt Area Mapping in Nainital, Uttarakhand, India, Using Very High-Resolution PlanetScope Imagery 2021 , 91-103		
14	Peatland Surface Loss due to Fires in Central Kalimantan, Indonesia [A Case Study Using Differential Interferometry SAR (DInSAR) 2021 , 77-90		
13	Spatial Point Patterns and Scale Analysis of Vegetation Fires in Laos and Cambodia 2021 , 117-132		
12	Fire Danger Indices and Methods: An Appraisal 2021 , 201-232		
11	An Assessment of Burnt Area Signal Variations in Laos Using Sentinel-1A&B Datasets 2021 , 61-76		
10	Evaluation of Sentinel-3 SLSTR Data for Mapping Fires in Forests, Peatlands, and Croplands [A Case Study over Australia, Indonesia, and India 2021 , 39-59		

- 9 Biomass Burning in South/Southeast Asia [Needs and Priorities **2021**, 1-21
- 8 Vegetation Fire Status and Management in Bhutan **2021**, 135-157
- 7 Agricultural Drought Assessment Using Remote Sensing, with Special Emphasis on India **2022**, 309-332
- 6 Agricultural Land Use/Cover Changes in the Vientiane, Laos **2022**, 573-586
- 5 Agricultural Information Needs and Research Priorities for Remote Sensing in South and Southeast Asian Countries **2022**, 1-29
- 4 Agricultural Fires in South Asian Countries and Implications **2022**, 501-516
- 3 Agricultural Intensity Assessment in Punjab, India Using Food Security Metrics and Remote Sensing Data **2022**, 419-436
- 2 South/Southeast Asia Research Initiative (SARI) and Agricultural Research Projects **2022**, 33-51
- 1 Agricultural Transformation and Deforestation in Shan State, Myanmar **2022**, 487-500