

Aditya Singh

List of Publications by Year in descending order

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52
papers

2,134
citations

279798

23
h-index

243625

44
g-index

55
all docs

55
docs citations

55
times ranked

3091
citing authors

#	ARTICLE	IF	CITATIONS
1	Artificial Intelligence (AI) for Crop Yield Forecasting. Edis, 2022, 2022, .	0.1	2
2	Applications of Unmanned Aerial Systems in Agricultural Operation Management: Part III: Best Practices for Efficient Aerial Surveying. Edis, 2021, 2021, .	0.1	0
3	A remote sensing derived data set of 100 million individual tree crowns for the National Ecological Observatory Network. ELife, 2021, 10, .	6.0	38
4	Applications of Unmanned Aerial Systems in Agricultural Operation Management: Part II: Platforms and Payloads. Edis, 2021, 2021, .	0.1	0
5	Testing the efficacy of hyperspectral (AVIRIS-NG), multispectral (Sentinel-2) and radar (Sentinel-1) remote sensing images to detect native and invasive non-native trees. Biological Invasions, 2021, 23, 2863-2879.	2.4	13
6	Trail camera networks provide insights into satellite-derived phenology for ecological studies. International Journal of Applied Earth Observation and Geoinformation, 2021, 97, 102291.	2.8	7
7	A benchmark dataset for canopy crown detection and delineation in co-registered airborne RGB, LiDAR and hyperspectral imagery from the National Ecological Observation Network. PLoS Computational Biology, 2021, 17, e1009180.	3.2	19
8	Snapshot Wisconsin: networking community scientists and remote sensing to improve ecological monitoring and management. Ecological Applications, 2021, 31, e02436.	3.8	11
9	RandCrowns: A Quantitative Metric for Imprecisely Labeled Tree Crown Delineation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 11229-11239.	4.9	1
10	Phenomics-Assisted Selection for Herbage Accumulation in Alfalfa (<i>Medicago sativa</i> L.). Frontiers in Plant Science, 2021, 12, 756768.	3.6	10
11	Inferring Species Diversity and Variability over Climatic Gradient with Spectral Diversity Metrics. Remote Sensing, 2020, 12, 2130.	4.0	7
12	Foliar functional traits from imaging spectroscopy across biomes in eastern North America. New Phytologist, 2020, 228, 494-511.	7.3	109
13	Leaf reflectance spectra capture the evolutionary history of seed plants. New Phytologist, 2020, 228, 485-493.	7.3	72
14	Applications of Unmanned Aerial Systems in Agricultural Operation Management: Part I: Overview. Edis, 2020, 2020, .	0.1	0
15	Making inference with messy (citizen science) data: when are data accurate enough and how can they be improved?. Ecological Applications, 2019, 29, e01849.	3.8	42
16	A low-cost and open-source platform for automated imaging. Plant Methods, 2019, 15, 6.	4.3	12
17	Effects of conversion harvests on light regimes in a southern pine ecosystem in transition from intensively managed plantations to uneven-aged stands. Forest Ecology and Management, 2019, 432, 140-149.	3.2	11
18	Mapping foliar functional traits and their uncertainties across three years in a grassland experiment. Remote Sensing of Environment, 2019, 221, 405-416.	11.0	89

#	ARTICLE	IF	CITATIONS
19	Sample Productivity and Cost Estimates of Producing Longan (<i>Dimocarpus longan</i> Lour.) in South Florida.. <i>Edis</i> , 2019, 2019, .	0.1	0
20	Cost Estimates of Producing Sugar Apple (<i>Annona squamosa</i> L.) in South Florida. <i>Edis</i> , 2019, 2019, .	0.1	0
21	Using imaging spectroscopy to detect variation in terrestrial ecosystem productivity across a water-stressed landscape. <i>Ecological Applications</i> , 2018, 28, 1313-1324.	3.8	32
22	Integrating Spectroscopy with Potato Disease Management. <i>Plant Disease</i> , 2018, 102, 2233-2240.	1.4	45
23	Leaf and Canopy Level Detection of <i>Fusarium Virguliforme</i> (Sudden Death Syndrome) in Soybean. <i>Remote Sensing</i> , 2018, 10, 426.	4.0	45
24	Cost Estimates of Producing Pink Guava in South Florida. <i>Edis</i> , 2018, 2018, .	0.1	3
25	Finger Lime: An Alternative Crop with Great Potential in South Florida. <i>Edis</i> , 2018, 2018, .	0.1	0
26	Cost and Return Estimates of a Mamey Sapote Grove in South Florida, 2017. <i>Edis</i> , 2018, 2018, .	0.1	0
27	Emissions of forest floor and mineral soil carbon, nitrogen and mercury pools and relationships with fire severity for the Pagami Creek Fire in the Boreal Forest of northern Minnesota. <i>International Journal of Wildland Fire</i> , 2017, 26, 296.	2.4	19
28	From pest data to abundance-based risk maps combining eco-physiological knowledge, weather, and habitat variability. <i>Ecological Applications</i> , 2017, 27, 575-588.	3.8	12
29	Remote sensing spectroscopy to discriminate plant functional types and physiological function. , 2017, , .		1
30	Associations of Leaf Spectra with Genetic and Phylogenetic Variation in Oaks: Prospects for Remote Detection of Biodiversity. <i>Remote Sensing</i> , 2016, 8, 221.	4.0	132
31	Urban heat island impacts on plant phenology: intra-urban variability and response to land cover. <i>Environmental Research Letters</i> , 2016, 11, 054023.	5.2	148
32	Spectroscopic determination of ecologically relevant plant secondary metabolites. <i>Methods in Ecology and Evolution</i> , 2016, 7, 1402-1412.	5.2	88
33	Evidence for Compensatory Photosynthetic and Yield Response of Soybeans to Aphid Herbivory. <i>Journal of Economic Entomology</i> , 2016, 109, 1177-1187.	1.8	13
34	Variation in vegetation cover and livestock mobility needs in Sahelian West Africa. <i>Journal of Land Use Science</i> , 2016, 11, 76-95.	2.2	10
35	Mapping Species Composition of Forests and Tree Plantations in Northeastern Costa Rica with an Integration of Hyperspectral and Multitemporal Landsat Imagery. <i>Remote Sensing</i> , 2015, 7, 5660-5696.	4.0	57
36	Imaging spectroscopy algorithms for mapping canopy foliar chemical and morphological traits and their uncertainties. <i>Ecological Applications</i> , 2015, 25, 2180-2197.	3.8	195

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37	Use of insect exclusion cages in soybean creates an altered microclimate and differential crop response. <i>Agricultural and Forest Meteorology</i> , 2015, 208, 50-61.	4.8	7
38	Remotely estimating photosynthetic capacity, and its response to temperature, in vegetation canopies using imaging spectroscopy. <i>Remote Sensing of Environment</i> , 2015, 167, 78-87.	11.0	137
39	Detection of gradients of forest composition in an urban area using imaging spectroscopy. <i>Remote Sensing of Environment</i> , 2015, 167, 168-180.	11.0	34
40	Spectroscopic determination of leaf morphological and biochemical traits for northern temperate and boreal tree species. <i>Ecological Applications</i> , 2014, 24, 1651-1669.	3.8	273
41	Imaging spectroscopy links aspen genotype with below-ground processes at landscape scales. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130194.	4.0	73
42	Biophysical Variability and Pastoral Rights to Resources: West African Transhumance Revisited. <i>Human Ecology</i> , 2014, 42, 351-365.	1.4	37
43	Differences in space use and habitat selection between captive-bred and wild-born houbara bustards in Saudi Arabia: results from a long-term reintroduction program. <i>Journal of Zoology</i> , 2013, 289, 251-261.	1.7	8
44	A MODIS approach to predicting stream water quality in Wisconsin. <i>Remote Sensing of Environment</i> , 2013, 128, 74-86.	11.0	44
45	Relationship of a Landsat cumulative disturbance index to canopy nitrogen and forest structure. <i>Remote Sensing of Environment</i> , 2012, 118, 40-49.	11.0	16
46	A general Landsat model to predict canopy defoliation in broadleaf deciduous forests. <i>Remote Sensing of Environment</i> , 2012, 119, 255-265.	11.0	101
47	Exploiting tree shadows on snow for estimating forest basal area using Landsat data. <i>Remote Sensing of Environment</i> , 2012, 121, 69-79.	11.0	27
48	Use of MODIS NDVI to evaluate changing latitudinal gradients of rangeland phenology in Sudano-Sahelian West Africa. <i>Remote Sensing of Environment</i> , 2011, 115, 3367-3376.	11.0	58
49	Refining logistic regression models for wildlife habitat suitability modeling: A case study with muntjak and goral in the Central Himalayas, India. <i>Ecological Modelling</i> , 2011, 222, 1354-1366.	2.5	23
50	Patterns of space and habitat use by northern bobwhites in South Florida, USA. <i>European Journal of Wildlife Research</i> , 2011, 57, 15-26.	1.4	16
51	Does nest-site selection influence bobwhite nesting success in south Florida?. <i>Wildlife Research</i> , 2010, 37, 489.	1.4	3
52	Evaluation of suitable tiger habitat in Chandoli National Park, India, using spatial modelling of environmental variables. <i>Ecological Modelling</i> , 2009, 220, 3621-3629.	2.5	29