

Ram Ray

List of Publications by Year in descending order

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48
papers

1,654
citations

394286

19
h-index

302012

39
g-index

51
all docs

51
docs citations

51
times ranked

1634
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of Remote Sensing in Precision Agriculture: A Review. Remote Sensing, 2020, 12, 3136.	1.8	380
2	A comparison of models for estimating potential evapotranspiration for Florida land cover types. Journal of Hydrology, 2009, 373, 366-376.	2.3	118
3	Relationships among remotely sensed soil moisture, precipitation and landslide events. Natural Hazards, 2007, 43, 211-222.	1.6	114
4	Landslide susceptibility mapping using downscaled AMSR-E soil moisture: A case study from Cleveland Corral, California, US. Remote Sensing of Environment, 2010, 114, 2624-2636.	4.6	102
5	What is the impact of COVID-19 pandemic on global carbon emissions?. Science of the Total Environment, 2022, 816, 151503.	3.9	88
6	Current Progress and Future Prospects of Agriculture Technology: Gateway to Sustainable Agriculture. Sustainability, 2021, 13, 4883.	1.6	84
7	Comparing satellite derived precipitation datasets using the Hillslope River Routing (HRR) model in the Congo River Basin. Hydrological Processes, 2011, 25, 3216-3229.	1.1	83
8	Effects of Drought on Crop Production and Cropping Areas in Texas. Agricultural and Environmental Letters, 2018, 3, 170037.	0.8	73
9	Impacts of Unsaturated Zone Soil Moisture and Groundwater Table on Slope Instability. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 1448-1458.	1.5	64
10	Soil CO ₂ emission in response to organic amendments, temperature, and rainfall. Scientific Reports, 2020, 10, 5849.	1.6	57
11	Unmanned Aerial Vehicles in Hydrology and Water Management: Applications, Challenges, and Perspectives. Water Resources Research, 2021, 57, e2021WR029925.	1.7	44
12	Influence of mobile phone and internet technology on income of rural farmers: Evidence from Khyber Pakhtunkhwa Province, Pakistan. Technology in Society, 2022, 68, 101866.	4.8	44
13	Potential Role of Technology Innovation in Transformation of Sustainable Food Systems: A Review. Agriculture (Switzerland), 2021, 11, 984.	1.4	41
14	Evaluation and Inter-Comparison of Satellite Soil Moisture Products Using In Situ Observations over Texas, U.S.. Water (Switzerland), 2017, 9, 372.	1.2	27
15	Regional landslide susceptibility: spatiotemporal variations under dynamic soil moisture conditions. Natural Hazards, 2011, 59, 1317-1337.	1.6	26
16	Mobile Internet Technology Adoption for Sustainable Agriculture: Evidence from Wheat Farmers. Applied Sciences (Switzerland), 2022, 12, 4902.	1.3	26
17	Soil as a Basic Nexus Tool: Soils at the Center of the Food-Energy-Water Nexus. Current Sustainable/Renewable Energy Reports, 2017, 4, 117-129.	1.2	25
18	Emerging Stress and Relative Resiliency of Giant Sequoia Groves Experiencing Multiyear Dry Periods in a Warming Climate. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 3063-3075.	1.3	24

#	ARTICLE	IF	CITATIONS
19	Estimating land surface variables and sensitivity analysis for CLM and VIC simulations using remote sensing products. <i>Science of the Total Environment</i> , 2018, 633, 470-483.	3.9	23
20	Can Cooperative Supports and Adoption of Improved Technologies Help Increase Agricultural Income? Evidence from a Recent Study. <i>Land</i> , 2022, 11, 361.	1.2	19
21	Integration of Convolutional Neural Network and Thermal Images into Soil Moisture Estimation. , 2018, , .		17
22	Toward Cleaner Production: Can Mobile Phone Technology Help Reduce Inorganic Fertilizer Application? Evidence Using a National Level Dataset. <i>Land</i> , 2021, 10, 1023.	1.2	16
23	Bridge to the future: Important lessons from 20 years of ecosystem observations made by the OzFlux network. <i>Global Change Biology</i> , 2022, 28, 3489-3514.	4.2	14
24	Integrating Runoff Generation and Flow Routing in Susquehanna River Basin to Characterize Key Hydrologic Processes Contributing to Maximum Annual Flood Events. <i>Journal of Hydrologic Engineering - ASCE</i> , 2016, 21, 04016026.	0.8	13
25	Prediction of soil erosion risk using earth observation data under recent emission scenarios of CMIP6. <i>Geocarto International</i> , 2022, 37, 7041-7064.	1.7	13
26	Simulations of energy balance components at snow-dominated montane watershed by land surface models. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	11
27	Evapotranspiration models of different complexity for multiple land cover types. <i>Hydrological Processes</i> , 2012, 26, 2962-2972.	1.1	10
28	Development of Monthly Reference Evapotranspiration Machine Learning Models and Mapping of Pakistan – A Comparative Study. <i>Water (Switzerland)</i> , 2022, 14, 1666.	1.2	10
29	Evaluation of atmospheric and terrestrial effects in the carbon cycle for forest and grassland ecosystems using a remote sensing and modeling approach. <i>Agricultural and Forest Meteorology</i> , 2020, 295, 108187.	1.9	9
30	Does the Adoption of Mobile Internet Technology Promote Wheat Productivity? Evidence from Rural Farmers. <i>Sustainability</i> , 2022, 14, 7614.	1.6	9
31	Assessing the spatiotemporal distributions of evapotranspiration in the Three Gorges Reservoir Region of China using remote sensing data. <i>Journal of Mountain Science</i> , 2018, 15, 2676-2692.	0.8	8
32	An integrated approach to estimate surface soil moisture in agricultural lands. <i>Geocarto International</i> , 2021, 36, 1646-1664.	1.7	8
33	Parameterizing the modified water cloud model to improve soil moisture data retrieval using vegetation models. <i>Hungarian Geographical Bulletin</i> , 2020, 69, 17-26.	0.4	8
34	Remote Sensing Approaches and Related Techniques to Map and Study Landslides. , 2020, , .		6
35	Crop Protection Under Drought Stress. , 2020, , 145-170.		5
36	Parameterization of the modified water cloud model (MWCM) using normalized difference vegetation index (NDVI) for winter wheat crop: a case study from Punjab, India. <i>Geocarto International</i> , 2022, 37, 1560-1573.	1.7	5

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37	Assessing the effects of forest biomass reductions on forest health and streamflow. Hydrological Processes, 2021, 35, e14114.	1.1	5
38	Modeling Antecedent Soil Moisture to Constrain Rainfall Thresholds for Shallow Landslides Occurrence. , 0, , .		5
39	Modeling regional landslide susceptibility using dynamic soil moisture profiles. Journal of Mountain Science, 2018, 15, 1807-1824.	0.8	4
40	Quantifying the Impacts of Land-Use and Climate on Carbon Fluxes Using Satellite Data across Texas, U.S.. Remote Sensing, 2019, 11, 1733.	1.8	4
41	Landslide Susceptibility Mapping using Remotely Sensed Soil Moisture. , 2008, , .		3
42	Moisture Stress Indicators in Giant Sequoia Groves in the Southern Sierra Nevada of California, USA. Vadose Zone Journal, 2016, 15, 1-19.	1.3	2
43	Patterns of Nutrient Dynamics within and below the Rootzone of Collard Greens Grown under Different Organic Amendment Types and Rates. Sustainability, 2021, 13, 6857.	1.6	2
44	Socioeconomic Determinants of the Awareness and Adoption of Apple Production Practices: A Case study of Balochistan, Pakistan. Sarhad Journal of Agriculture, 2022, 38, .	0.0	2
45	Introductory Chapter: Importance of Investigating Landslide Hazards. , 0, , .		1
46	Quantifying surface soil organic carbon distribution globally during the COVID-19 pandemic using satellite data. Geocarto International, 2022, 37, 12149-12170.	1.7	1
47	Sustainable Growing Areas for Sugarcane in Sri Lanka Under a Changing Climate. Sugar Tech, 2022, 24, 1801-1813.	0.9	1
48	Estimation of Land Surface Energy Fluxes using CLM and VIC model. Journal of Wetlands Research, 2016, 18, 166-172.	0.2	0