

Sumit Kumar Chaudhary

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

128
citations

1478505

6
h-index

1474206

9
g-index

16
all docs

16
docs citations

16
times ranked

109
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine learning algorithms for soil moisture estimation using Sentinel-1: Model development and implementation. <i>Advances in Space Research</i> , 2022, 69, 1799-1812.	2.6	25
2	Land subsidence mapping and monitoring using modified persistent scatterer interferometric synthetic aperture radar in Jharia Coalfield, India. <i>Journal of Earth System Science</i> , 2020, 129, 1.	1.3	21
3	Synergistic evaluation of Sentinel 1 and 2 for biomass estimation in a tropical forest of India. <i>Advances in Space Research</i> , 2022, 69, 1752-1767.	2.6	21
4	Denoising AVIRIS-NG Data for Generation of New Chlorophyll Indices. <i>IEEE Sensors Journal</i> , 2021, 21, 6982-6989.	4.7	13
5	ScatSat-1 Leaf Area Index Product: Models Comparison, Development, and Validation Over Cropland. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020, 17, 563-567.	3.1	12
6	Detection and Analysis of Coal Fire in Jharia Coalfield (JCF) Using Landsat Remote Sensing Data. <i>Journal of the Indian Society of Remote Sensing</i> , 2020, 48, 181-195.	2.4	12
7	Future challenges in agricultural water management. , 2021, , 445-456.		6
8	Impact of land use dynamics on land surface temperature in Jharia coalfield. , 2018, , .		5
9	Performance analysis of hyperspherical colour sharpening method for IRS satellite images. <i>Imaging Science Journal</i> , 2016, 64, 305-312.	0.5	3
10	Evaluation of Radar/Optical Based Vegetation Descriptors in Water Cloud Model for Soil Moisture Retrieval. <i>IEEE Sensors Journal</i> , 2021, 21, 21030-21037.	4.7	3
11	Land surface deformation parameter estimation using persistent scatterer interferometry approach in an underground metal mining environment. <i>Imaging Science Journal</i> , 2018, 66, 289-302.	0.5	2
12	Rainfall rate estimation over India using global precipitation measurementâ€™s microwave imager datasets and different variants of fuzzy information system. <i>Geocarto International</i> , 0, , 1-19.	3.5	2
13	Multi-Classifer Fusion for Land Use Land Cover Mapping in Jharia Coal Field. , 2016, , 773-777.		1
14	Assessment of deforestation and land use land cover dynamics in West Singhbhum, Jharkhand, India using geospatial techniques. , 2018, , .		1
15	Artificial neural network for the estimation of soil moisture using earth observation datasets. , 2021, , 227-239.		1
16	Concepts and methodologies for agricultural water management. , 2021, , 1-18.		0