

Dharmendra Kumar Pandey

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

161
citations

1307594

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1281871

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all docs

23
docs citations

23
times ranked

120
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of Soil Moisture Inversion Model for Bare Soil Using Navigation With Indian Constellation (NavIC). IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	9
2	Machine learning algorithms for soil moisture estimation using Sentinel-1: Model development and implementation. Advances in Space Research, 2022, 69, 1799-1812.	2.6	25
3	Dielectric Constant Estimation of Lunar Surface Using Mini-RF and Chandrayaan-2 SAR Data. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-8.	6.3	7
4	AN IMPROVISED NON-INVASIVE METHOD WITH CLUTTER REMOVAL FOR DIELECTRIC CHARACTERIZATION OF TERRESTRIAL ROCK SAMPLES AT S-BAND FREQUENCY. Progress in Electromagnetics Research C, 2021, 112, 179-192.	0.9	1
5	Large-scale soil moisture mapping using Earth observation data and its validation at selected agricultural sites over Indian region. , 2021, , 185-207.		2
6	Artificial neural network for the estimation of soil moisture using earth observation datasets. , 2021, , 227-239.		1
7	Chandrayaan-2 Dual-frequency Synthetic Aperture Radar (DFSAR): Performance Characterization and Initial Results. Planetary Science Journal, 2021, 2, 134.	3.6	21
8	Evaluation of Radar/Optical Based Vegetation Descriptors in Water Cloud Model for Soil Moisture Retrieval. IEEE Sensors Journal, 2021, 21, 21030-21037.	4.7	3
9	Comparison of soil dielectric mixing models for soil moisture retrieval using SMAP brightness temperature over croplands in India. Journal of Hydrology, 2021, 602, 126673.	5.4	4
10	Machine Learning Based Soil Moisture Retrieval Algorithm and Validation at Selected Agricultural Sites Over India Using Cygnss Data. , 2021, , .		2
11	Sensitivity of Multipath Peak Frequency of Navigation with Indian Constellation (NavIC) towards Surface Soil Moisture over Bare Land. , 2021, , .		3
12	Soil Moisture Retrieval Techniques Using Satellite Remote Sensing. , 2021, , 357-385.		1
13	GPR Sensitivity Analysis for Detection of Subsurface Layers in Lunar Scenario. , 2021, , .		0
14	Sensitivity Analysis of GNSS-IR based Multipath Phase for Soil Moisture over Winter Wheat crop using Navigation with Indian Constellation (NavIC). , 2021, , .		2
15	Comparative Analysis of NavIC Multipath Amplitude and Phase for Soil Moisture Sensitivity over Different land cover. , 2021, , .		3
16	Assessment of SCATSAT-1 Backscattering by Using the State-of-the-Art Water Cloud Model. Lecture Notes in Civil Engineering, 2020, , 511-516.	0.4	2
17	ScatSat-1 Leaf Area Index Product: Models Comparison, Development, and Validation Over Cropland. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 563-567.	3.1	12
18	Sensitivity Analysis of Navigation with Indian Constellation (NavIC) Derived Multipath Phase Towards Surface Soil Moisture Over Agricultural Land. , 2020, , .		13

#	ARTICLE	IF	CITATIONS
19	Appraisal of SMAP Operational Soil Moisture Product from a Global Perspective. Remote Sensing, 2020, 12, 1977.	4.0	14
20	Study of Subsurface Roughness Impact on GPR Performance Using Modelling and Simulation. Lecture Notes in Civil Engineering, 2020, , 471-477.	0.4	1
21	Sensitivity Analysis of CYGNSS derived Radar Reflectivity for Soil Moisture Retrieval over India: Initial Results. , 2019, , .		3
22	Crop Phenology and Soil Moisture Applications of SCATSAT-1. Current Science, 2019, 117, 1022.	0.8	17
23	Microstrip ratâ€œ couplers with predetermined miniaturization and harmonic suppression. Microwave and Optical Technology Letters, 2010, 52, 30-34.	1.4	15