

# Dharmendra Kumar Pandey

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

161  
citations

1307594

7  
h-index

1281871

11  
g-index

23  
all docs

23  
docs citations

23  
times ranked

120  
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	Chandrayaan-2 Dual-frequency Synthetic Aperture Radar (DFSAR): Performance Characterization and Initial Results. <i>Planetary Science Journal</i> , 2021, 2, 134.	3.6	21
3	Crop Phenology and Soil Moisture Applications of SCATSAT-1. <i>Current Science</i> , 2019, 117, 1022.	0.8	17
4	Microstrip ratâ€œrace couplers with predetermined miniaturization and harmonic suppression. <i>Microwave and Optical Technology Letters</i> , 2010, 52, 30-34.	1.4	15
5	Appraisal of SMAP Operational Soil Moisture Product from a Global Perspective. <i>Remote Sensing</i> , 2020, 12, 1977.	4.0	14
6	Sensitivity Analysis of Navigation with Indian Constellation (NavIC) Derived Multipath Phase Towards Surface Soil Moisture Over Agricultural Land. , 2020, , .		13
7	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
8	Development of Soil Moisture Inversion Model for Bare Soil Using Navigation With Indian Constellation (NavIC). <i>IEEE Geoscience and Remote Sensing Letters</i> , 2022, 19, 1-5.	3.1	9
9	Dielectric Constant Estimation of Lunar Surface Using Mini-RF and Chandrayaan-2 SAR Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-8.	6.3	7
10	Comparison of soil dielectric mixing models for soil moisture retrieval using SMAP brightness temperature over croplands in India. <i>Journal of Hydrology</i> , 2021, 602, 126673.	5.4	4
11	Sensitivity Analysis of CYGNSS derived Radar Reflectivity for Soil Moisture Retrieval over India: Initial Results. , 2019, , .		3
12	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
13	Sensitivity of Multipath Peak Frequency of Navigation with Indian Constellation (NavIC) towards Surface Soil Moisture over Bare Land. , 2021, , .		3
14	Comparative Analysis of NavIC Multipath Amplitude and Phase for Soil Moisture Sensitivity over Different land cover. , 2021, , .		3
15	Assessment of SCATSAT-1 Backscattering by Using the State-of-the-Art Water Cloud Model. <i>Lecture Notes in Civil Engineering</i> , 2020, , 511-516.	0.4	2
16	Large-scale soil moisture mapping using Earth observation data and its validation at selected agricultural sites over Indian region. , 2021, , 185-207.		2
17	Machine Learning Based Soil Moisture Retrieval Algorithm and Validation at Selected Agricultural Sites Over India Using Cygnss Data. , 2021, , .		2
18	Sensitivity Analysis of GNSS-IR based Multipath Phase for Soil Moisture over Winter Wheat crop using Navigation with Indian Constellation (NavIC). , 2021, , .		2

#	ARTICLE	IF	CITATIONS
19	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
20	Artificial neural network for the estimation of soil moisture using earth observation datasets. , 2021, , 227-239.		1
21	Study of Subsurface Roughness Impact on GPR Performance Using Modelling and Simulation. Lecture Notes in Civil Engineering, 2020, , 471-477.	0.4	1
22	Soil Moisture Retrieval Techniques Using Satellite Remote Sensing. , 2021, , 357-385.		1
23	GPR Sensitivity Analysis for Detection of Subsurface Layers in Lunar Scenario. , 2021, , .		0