

# Changkun Wang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3855332/publications.pdf>

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18  
papers

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docs citations

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#	ARTICLE	IF	CITATIONS
1	Prediction of Soil Organic Matter Content Under Moist Conditions Using VIS-NIR Diffuse Reflectance Spectroscopy. <i>Soil Science</i> , 2013, 178, 189-193.	0.9	57
2	Estimating the soil salinity over partially vegetated surfaces from multispectral remote sensing image using non-negative matrix factorization. <i>Geoderma</i> , 2019, 354, 113887.	5.1	35
3	Predicting Soil Salt Content Over Partially Vegetated Surfaces Using Non-Negative Matrix Factorization. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015, 8, 5305-5316.	4.9	24
4	Predicting Soil Salinity with Vis-NIR Spectra after Removing the Effects of Soil Moisture Using External Parameter Orthogonalization. <i>PLoS ONE</i> , 2015, 10, e0140688.	2.5	20
5	Predicting soil moisture content over partially vegetation covered surfaces from hyperspectral data with deep learning. <i>Soil Science Society of America Journal</i> , 2021, 85, 989-1001.	2.2	17
6	Alleviating Moisture Effects on Remote Sensing Estimation of Crop Residue Cover. <i>Agronomy Journal</i> , 2013, 105, 967-976.	1.8	15
7	Mapping the Salt Content in Soil Profiles using Vis-NIR Hyperspectral Imaging. <i>Soil Science Society of America Journal</i> , 2018, 82, 1259-1269.	2.2	14
8	Improving the Prediction of Soil Organic Matter Using Visible and near Infrared Spectroscopy of Moist Samples. <i>Journal of Near Infrared Spectroscopy</i> , 2016, 24, 231-241.	1.5	12
9	Spectral Index for Mapping Topsoil Organic Matter Content Based on ZY1-02D Satellite Hyperspectral Data in Jiangsu Province, China. <i>ISPRS International Journal of Geo-Information</i> , 2022, 11, 111.	2.9	12
10	Modeling the Effect of Moisture on the Reflectance of Crop Residues. <i>Agronomy Journal</i> , 2012, 104, 1652-1657.	1.8	9
11	Estimation of Clay and Soil Organic Carbon Using Visible and Near-Infrared Spectroscopy and Underground Samples. <i>Soil Science Society of America Journal</i> , 2016, 80, 1393-1402.	2.2	9
12	Prediction of multiple soil fertility parameters using VisNIR spectroscopy and PXRF spectrometry. <i>Soil Science Society of America Journal</i> , 2021, 85, 591-605.	2.2	8
13	Soil microbiotic homogenization occurred after long-term agricultural development in desert areas across northern China. <i>Land Degradation and Development</i> , 2020, 31, 1014-1025.	3.9	7
14	Distinct Assembly Processes and Determinants of Soil Microbial Communities between Farmland and Grassland in Arid and Semiarid Areas. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0101021.	3.1	7
15	The Simultaneous Prediction of Soil Properties and Vegetation Coverage from Vis-NIR Hyperspectral Data with a One-Dimensional Convolutional Neural Network: A Laboratory Simulation Study. <i>Remote Sensing</i> , 2022, 14, 397.	4.0	6
16	Soil Organic Carbon Stocks in Terrestrial Ecosystems of China: Revised Estimation on Three-Dimensional Surfaces. <i>Sustainability</i> , 2016, 8, 1003.	3.2	2
17	The effects of climate on soil microbial diversity shift after intensive agriculture in arid and semiarid regions. <i>Science of the Total Environment</i> , 2022, 821, 153075.	8.0	2
18	Linking soil bacterial diversity to satellite-derived vegetation productivity: a case study in arid and semi-arid desert areas. <i>Environmental Microbiology</i> , 2021, 23, 6137-6147.	3.8	1