

Kang Yu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2723584/publications.pdf>

Version: 2024-02-01

41
papers

2,299
citations

304701

22
h-index

330122

37
g-index

44
all docs

44
docs citations

44
times ranked

2635
citing authors

#	ARTICLE	IF	CITATIONS
1	Combining UAV-based plant height from crop surface models, visible, and near infrared vegetation indices for biomass monitoring in barley. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2015, 39, 79-87.	2.8	647
2	Hyperspectral canopy sensing of paddy rice aboveground biomass at different growth stages. <i>Field Crops Research</i> , 2014, 155, 42-55.	5.1	201
3	Modelling strategies for assessing and increasing the effectiveness of new phenotyping techniques in plant breeding. <i>Plant Science</i> , 2019, 282, 23-39.	3.6	173
4	The ETH field phenotyping platform FIP: a cable-suspended multi-sensor system. <i>Functional Plant Biology</i> , 2017, 44, 154.	2.1	143
5	Remotely detecting canopy nitrogen concentration and uptake of paddy rice in the Northeast China Plain. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2013, 78, 102-115.	11.1	110
6	Active canopy sensor-based precision N management strategy for rice. <i>Agronomy for Sustainable Development</i> , 2012, 32, 925-933.	5.3	106
7	Estimating leaf chlorophyll of barley at different growth stages using spectral indices to reduce soil background and canopy structure effects. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2014, 97, 58-77.	11.1	104
8	Ranking Quantitative Resistance to <i>Septoria tritici</i> Blotch in Elite Wheat Cultivars Using Automated Image Analysis. <i>Phytopathology</i> , 2018, 108, 568-581.	2.2	88
9	Spectral Vegetation Indices to Track Senescence Dynamics in Diverse Wheat Germplasm. <i>Frontiers in Plant Science</i> , 2019, 10, 1749.	3.6	80
10	Hyperspectral Canopy Sensing of Wheat <i>Septoria Tritici</i> Blotch Disease. <i>Frontiers in Plant Science</i> , 2018, 9, 1195.	3.6	61
11	<i>TubZIP28</i> , a novel bZIP family transcription factor from <i>Triticum urartu</i> , and <i>TabZIP28</i> , its homologue from <i>Triticum aestivum</i> , enhance starch synthesis in wheat. <i>New Phytologist</i> , 2020, 226, 1384-1398.	7.3	46
12	Predicting micronutrients of wheat using hyperspectral imaging. <i>Food Chemistry</i> , 2021, 343, 128473.	8.2	45
13	An image analysis pipeline for automated classification of imaging light conditions and for quantification of wheat canopy cover time series in field phenotyping. <i>Plant Methods</i> , 2017, 13, 15.	4.3	42
14	Estimating Above-Ground Biomass of Potato Using Random Forest and Optimized Hyperspectral Indices. <i>Remote Sensing</i> , 2021, 13, 2339.	4.0	38
15	Investigation of Leaf Diseases and Estimation of Chlorophyll Concentration in Seven Barley Varieties Using Fluorescence and Hyperspectral Indices. <i>Remote Sensing</i> , 2014, 6, 64-86.	4.0	37
16	Precision Phenotyping Reveals Novel Loci for Quantitative Resistance to <i>Septoria Tritici</i> Blotch. <i>Plant Phenomics</i> , 2019, 2019, 3285904.	5.9	37
17	Monitoring the dynamics of wheat stem elongation: genotypes differ at critical stages. <i>Euphytica</i> , 2017, 213, 1.	1.2	32
18	Vegetation reflectance spectroscopy for biomonitoring of heavy metal pollution in urban soils. <i>Environmental Pollution</i> , 2018, 243, 1912-1922.	7.5	31

#	ARTICLE	IF	CITATIONS
19	Estimation of Above-Ground Biomass of Winter Wheat Based on Consumer-Grade Multi-Spectral UAV. Remote Sensing, 2022, 14, 1251.	4.0	27
20	Analysis of Crop Reflectance for Estimating Biomass in Rice Canopies at Different Phenological Stages. Photogrammetrie, Fernerkundung, Geoinformation, 2013, 2013, 351-365.	1.2	26
21	Spike growth affects spike fertility through the number of florets with green anthers before floret abortion in wheat. Field Crops Research, 2021, 260, 108007.	5.1	26
22	A New Critical Nitrogen Dilution Curve for Rice Nitrogen Status Diagnosis in Northeast China. Pedosphere, 2018, 28, 814-822.	4.0	25
23	Unraveling the genetic architecture of grain size in einkorn wheat through linkage and homology mapping and transcriptomic profiling. Journal of Experimental Botany, 2019, 70, 4671-4688.	4.8	19
24	Non-invasive field phenotyping of cereal development. Burleigh Dodds Series in Agricultural Science, 2019, , 249-292.	0.2	19
25	Abschätzung von Blatt-Chlorophyllgehalten von Reis mit Hilfe von Spektralindizes und Partial Least Squares Analysen. Photogrammetrie, Fernerkundung, Geoinformation, 2015, 2015, 45-54.	1.2	17
26	Frequent germplasm exchanges drive the high genetic diversity of Chinese-cultivated common apricot germplasm. Horticulture Research, 2021, 8, 215.	6.3	16
27	The MYB family transcription factor TuODORANT1 from Triticum urartu and the homolog TaODORANT1 from Triticum aestivum inhibit seed storage protein synthesis in wheat. Plant Biotechnology Journal, 2021, 19, 1863-1877.	8.3	15
28	Urban Tree Health Classification Across Tree Species by Combining Airborne Laser Scanning and Imaging Spectroscopy. Remote Sensing, 2020, 12, 2435.	4.0	14
29	Application of the <i>Prunus</i> spp. Cyanide Seed Defense System onto Wheat: Reduced Insect Feeding and Field Growth Tests. Journal of Agricultural and Food Chemistry, 2016, 64, 3501-3507.	5.2	9
30	Sorghum Grains Grading for Food, Feed, and Fuel Using NIR Spectroscopy. Frontiers in Plant Science, 2021, 12, 720022.	3.6	9
31	Variation in ectomycorrhizal fungal communities associated with Silver linden (<i>Tilia tomentosa</i>) within and across urban areas. FEMS Microbiology Ecology, 2018, 94, .	2.7	8
32	Soil organic matter rather than ectomycorrhizal diversity is related to urban tree health. PLoS ONE, 2019, 14, e0225714.	2.5	8
33	Construction of a high-density genetic map of tree peony (<i>Paeonia suffruticosa</i> Andr. Moutan) using restriction site associated DNA sequencing (RADseq) approach. Tree Genetics and Genomes, 2019, 15, 1.	1.6	7
34	ASSESSING HYPERSPECTRAL VEGETATION INDICES FOR ESTIMATING LEAF CHLOROPHYLL CONCENTRATION OF SUMMER BARLEY. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, 1-7, 89-94.	0.0	7
35	Foliar optical traits indicate that sealed planting conditions negatively affect urban tree health. Ecological Indicators, 2018, 95, 895-906.	6.3	6
36	Hyperspectral indices optimization algorithms for estimating canopy nitrogen concentration in potato (<i>Solanum tuberosum</i> L.). International Journal of Applied Earth Observation and Geoinformation, 2021, 102, 102416.	2.8	6

#	ARTICLE	IF	CITATIONS
37	Foliar optical traits capture physiological and phenological leaf plasticity in <i>Tilia</i> — <i>euchlora</i> in the urban environment. <i>Science of the Total Environment</i> , 2022, 805, 150219.	8.0	4
38	Spectroscopic Estimation of N Concentration in Wheat Organs for Assessing N Remobilization Under Different Irrigation Regimes. <i>Frontiers in Plant Science</i> , 2021, 12, 657578.	3.6	2
39	HYPERSPETRAL ANALYSIS OF RICE PHENOLOGICAL STAGES IN NORTHEAST CHINA. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , 0, 1-7, 77-82.	0.0	2
40	Estimating biomass of rice in farmers' fields by red-edge indices. , 2014, , .		0
41	Airborne Imaging Spectroscopy for Assessing Soil Sealing Effect on Urban Tree Health. , 2018, , .		0