

Oz Kira

List of Publications by Year in descending order

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16
papers

372
citations

1039880

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940416

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17
docs citations

17
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434
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-destructive estimation of foliar chlorophyll and carotenoid contents: Focus on informative spectral bands. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2015, 38, 251-260.	1.4	97
2	Informative spectral bands for remote green LAI estimation in C3 and C4 crops. <i>Agricultural and Forest Meteorology</i> , 2016, 218-219, 243-249.	1.9	62
3	An Unmanned Aerial System (UAS) for concurrent measurements of solar-induced chlorophyll fluorescence and hyperspectral reflectance toward improving crop monitoring. <i>Agricultural and Forest Meteorology</i> , 2020, 294, 108145.	1.9	38
4	Unpacking the drivers of diurnal dynamics of sun-induced chlorophyll fluorescence (SIF): Canopy structure, plant physiology, instrument configuration and retrieval methods. <i>Remote Sensing of Environment</i> , 2021, 265, 112672.	4.6	33
5	The physiological basis for estimating photosynthesis from Chl <i>a</i> fluorescence. <i>New Phytologist</i> , 2022, 234, 1206-1219.	3.5	26
6	Toward Generic Models for Green LAI Estimation in Maize and Soybean: Satellite Observations. <i>Remote Sensing</i> , 2017, 9, 318.	1.8	24
7	Direct tracing of NH ₃ and N ₂ O emissions associated with urea fertilization approaches, using static incubation cells. <i>Science of the Total Environment</i> , 2019, 661, 75-85.	3.9	17
8	A Novel Method Combining FTIR-ATR Spectroscopy and Stable Isotopes to Investigate the Kinetics of Nitrogen Transformations in Soils. <i>Soil Science Society of America Journal</i> , 2014, 78, 54-60.	1.2	15
9	Estimating drift of airborne pesticides during orchard spraying using active Open Path FTIR. <i>Atmospheric Environment</i> , 2016, 142, 264-270.	1.9	11
10	In-situ open path FTIR measurements of the vertical profile of spray drift from air-assisted sprayers. <i>Biosystems Engineering</i> , 2018, 169, 32-41.	1.9	9
11	Gross Primary Production Estimation in Crops Using Solely Remotely Sensed Data. <i>Agronomy Journal</i> , 2019, 111, 2981-2990.	0.9	8
12	Extraction of sub-pixel C3/C4 emissions of solar-induced chlorophyll fluorescence (SIF) using artificial neural network. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 161, 135-146.	4.9	8
13	Reconstruction of passive open-path FTIR ambient spectra using meteorological measurements and its application for detection of aerosol cloud drift. <i>Optics Express</i> , 2015, 23, A916.	1.7	7
14	Detection and quantification of water-based aerosols using active open-path FTIR. <i>Scientific Reports</i> , 2016, 6, 25110.	1.6	7
15	Partitioning Net Ecosystem Exchange (NEE) of CO ₂ Using Solar-Induced Chlorophyll Fluorescence (SIF). <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091247.	1.5	5
16	Concomitant tracking of NH ₃ , N ₂ O and soil mineral-N using steady-state incubation cells to enhance sustainability of urea fertilization approaches. <i>Geoderma</i> , 2021, 404, 115305.	2.3	5