

Xinran Wang

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

193
citations

1478505

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1720034

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12
all docs

12
docs citations

12
times ranked

271
citing authors

#	ARTICLE	IF	CITATIONS
1	Continuous in situ soil nitrate sensors: The importance of high-resolution measurements across time and a comparison with salt extraction-based methods. <i>Soil Science Society of America Journal</i> , 2021, 85, 677-690.	2.2	9
2	Miniaturized, Field-Deployable, Continuous Soil Water Potential Sensor. <i>IEEE Sensors Journal</i> , 2020, 20, 14109-14117.	4.7	5
3	Continuous Monitoring of Soil Nitrate Using a Miniature Sensor with Poly(3-octyl-thiophene) and Molybdenum Disulfide Nanocomposite. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 29195-29206.	8.0	66
4	Miniaturized Soil Sensor for Continuous, In-Situ Monitoring of Soil Water Potential. , 2019, , .		10
5	Directivity-Reconfigurable Wideband Two-Arm Spiral Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017, 16, 66-69.	4.0	27
6	Nutrient Sensing Using Chip Scale Electrophoresis and <i>In Situ</i> Soil Solution Extraction. <i>IEEE Sensors Journal</i> , 2017, 17, 4330-4339.	4.7	32
7	Generation of temperature gradient on microfluidic plant chip for high-throughput plant phenotyping. , 2017, , .		1
8	Tracking of water movement dynamics inside plants using leaf surface humidity sensors. , 2017, , .		10
9	Microfluidic eletrophoretic ion nutrient sensor. , 2016, , .		5
10	Humidity assay for studying plant-pathogen interactions in miniature controlled discrete humidity environments with good throughput. <i>Biomicrofluidics</i> , 2016, 10, 034108.	2.4	10
11	Microfluidic droplet sorting using integrated bilayer micro-valves. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	18