Jiusheng Li

List of Publications by Year
in descending order

70 papers	1,374 citations	304368 22 h-index	360668 35 g-index
71 all docs	71 docs citations	71 times ranked	926 citing authors

#	Article	IF	Citations
1	Field evaluation of fertigation performance for a drip irrigation system with different lateral layouts under low operation pressures. Irrigation Science, 2022, 40, 191-201.	1.3	2
2	Determination of threshold soil salinity with consideration of salinity stress alleviation by applying nitrogen in the arid region. Irrigation Science, 2022, 40, 283-296.	1.3	7
3	Spatial variability of salt content caused by nonuniform distribution of irrigation and soil properties in drip irrigation subunits with different lateral layouts under arid environments. Agricultural Water Management, 2022, 266, 107564.	2.4	1
4	Response of productivity and nitrogen efficiency to plastic-film mulching patterns for maize in sub-humid northeast China. Irrigation Science, 2021, 39, 251-262.	1.3	8
5	Effects of water quality, irrigation amount and nitrogen applied on soil salinity and cotton production under mulched drip irrigation in arid Northwest China. Agricultural Water Management, 2021, 247, 106738.	2.4	34
6	Identifying the factors dominating the spatial distribution of water and salt in soil and cotton yield under arid environments of drip irrigation with different lateral lengths. Agricultural Water Management, 2021, 250, 106834.	2.4	13
7	Impact of Lateral Depth and Irrigation Frequency on Inorganic Nitrogen Distribution, Yield, and Quality of Asparagus Lettuce Utilizing Sewage Effluent under Drip Irrigation. Communications in Soil Science and Plant Analysis, 2021, 52, 2550-2561.	0.6	2
8	Determining injection strategies of phosphorusâ€coupled nitrogen fertigation based on clogging control of drip emitters with saline water application[*]. Irrigation and Drainage, 2021, 70, 1010-1026.	0.8	3
9	Effects of irrigation strategies and soil properties on the characteristics of deep percolation and crop water requirements for a variable rate irrigation system. Agricultural Water Management, 2021, 257, 107143.	2.4	6
10	Effect of phosphorus-coupled nitrogen fertigation on clogging in drip emitters when applying saline water. Irrigation Science, 2020, 38, 337-351.	1.3	13
11	Effects of fertigation splits through center pivot on the nitrogen uptake, yield, and nitrogen use efficiency of winter wheat grown in the North China Plain. Agricultural Water Management, 2020, 240, 106291.	2.4	9
12	Microirrigation in China: History, current situation and future *. Irrigation and Drainage, 2020, 69, 88-96.	0.8	7
13	Maximizing water productivity of winter wheat by managing zones of variable rate irrigation at different deficit levels. Agricultural Water Management, 2019, 216, 153-163.	2.4	23
14	<i>Effects of drip system uniformity on salt dynamics and cotton yield in the arid region of southern Xinjiang, China</i>. , 2019, , .		0
15	<i>Coupling effects of water and nitrogen on cotton growth and yield under mulched drip irrigation with different qualities of water in the arid region</i>. , 2019, , .		2
16	THE SYNERGISTIC EFFECTS OF DRIP SYSTEM UNIFORMITY AND SOIL VARIABILITY ON DRAINAGE AND NITRATE LEACHING UNDER ARID CONDITIONS: A NUMERICAL STUDY. Irrigation and Drainage, 2019, 68, 950-960.	0.8	2
17	Estimation of irrigation requirements for drip-irrigated maize in a sub-humid climate. Journal of Integrative Agriculture, 2018, 17, 677-692.	1.7	13
18	Increasing Crop Productivity in an Ecoâ€Friendly Manner by Improving Sprinkler and Microâ€Irrigation Design and Management: A Review of 20 Years' Research at the IWHR, China. Irrigation and Drainage, 2018, 67, 97-112.	0.8	21

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19	Determining placement criteria of moisture sensors through temporal stability analysis of soil water contents for a variable rate irrigation system. Precision Agriculture, 2018, 19, 648-665.	3.1	30
20	Effect of soil-based managements on the spatial variability of maize growth and yield for a variable rate irrigation system. , 2018, , .		0
21	<i>Diurnal dynamics of canopy temperature in management zones for a variable rate irrigation system</i>. , 2018, , .		0
22	Crop Yield and Water Use Efficiency as Affected by Different Soil-Based Management Methods for Variable-Rate Irrigation in a Semi-Humid Climate. Transactions of the ASABE, 2018, 61, 1915-1922.	1.1	5
23	Influence of chlorine injection on soil enzyme activities and maize growth under drip irrigation with secondary sewage effluent. Irrigation Science, 2018, 36, 363-379.	1.3	6
24	Nitrogen Availability of Sewage Effluent to Maize Compared to Synthetic Fertilizers under Surface Drip Irrigation. Transactions of the ASABE, 2018, 61, 1365-1377.	1.1	1
25	Effect of Chlorination and Acidification on Clogging and Biofilm Formation in Drip Emitters Applying Secondary Sewage Effluent. Transactions of the ASABE, 2018, 61, 1351-1363.	1.1	17
26	<i>Effect of solution concentration from a center pivot fertigation system on the growth and yield of summer maize in sub-humid climate</i>. , 2018, , .		1
27	Effect of soil moisture-based furrow irrigation scheduling on melon (Cucumis melo L.) yield and quality in an arid region of Northwest China. Agricultural Water Management, 2017, 179, 167-176.	2.4	35
28	Controlling mechanism of chlorination on emitter bio-clogging for drip irrigation using reclaimed water. Agricultural Water Management, 2017, 184, 36-45.	2.4	46
29	Nitrogen Utilization under Drip Irrigation with Sewage Effluent in the North China Plain. Irrigation and Drainage, 2017, 66, 699-710.	0.8	7
30	Balancing the Nitrogen Derived from Sewage Effluent and Fertilizers Applied with Drip Irrigation. Water, Air, and Soil Pollution, 2017, 228, 1.	1.1	2
31	Using Reclaimed Water for Agricultural and Landscape Irrigation in China: a Review. Irrigation and Drainage, 2017, 66, 672-686.	0.8	64
32	Evaluation of Drip Irrigation System Uniformity on Cotton Yield in an Arid Region using a Twoâ€Ðimensional Soil Water Transport and Crop Growth Coupling Model. Irrigation and Drainage, 2017, 66, 351-364.	0.8	9
33	Effect of Applying Sewage Effluent with Subsurface Drip Irrigation on Soil Enzyme Activities during the Maize Growing Season. Irrigation and Drainage, 2017, 66, 723-737.	0.8	4
34	Drip Irrigation with Sewage Effluent Increased Salt Accumulation in Soil, Depressed Sap Flow, and Increased Yield of Tomato. Irrigation and Drainage, 2017, 66, 711-722.	0.8	4
35	Effect of Ions on Clogging and Biofilm Formation in Drip Emitters Applying Secondary Sewage Effluent. Irrigation and Drainage, 2017, 66, 687-698.	0.8	22
36	Effects of lateral depth and irrigation level on nitrate and Escherichia coli leaching in the North China Plain for subsurface drip irrigation applying sewage effluent. Irrigation Science, 2017, 35, 469-482.	1.3	16

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37	Modelling Water Flow and Escherichia coli Transport in Unsaturated Soils Under Drip Irrigation. Irrigation and Drainage, 2017, 66, 738-749.	0.8	7
38	<i>Effects of phosphorus fertigation and lateral depths on distribution of Olsen-P in soil and yield of maize under subsurface drip irrigation</i>. , 2017, , .		3
39	<i>Application of deficit irrigation management to variable rate irrigation for winter wheat in sub-arid climates</i>. , 2017, , .		0
40	<i>Water use and productivity of maize under different variable rate irrigation managements in sub-humid climates</i>. , 2017, , .		0
41	Crop Yield and Water Productivity Responses in Management Zones for Variable-Rate Irrigation Based on Available Soil Water Holding Capacity. Transactions of the ASABE, 2017, 60, 1659-1667.	1.1	17
42	Wetting patterns and bacterial distributions in different soils from a surface point source applying effluents with varying Escherichia coli concentrations. Journal of Integrative Agriculture, 2016, 15, 1625-1637.	1.7	13
43	Effects of water managements on transport of E. coli in soil-plant system for drip irrigation applying secondary sewage effluent. Agricultural Water Management, 2016, 178, 12-20.	2.4	20
44	Response of Maize Growth and Yield to Different Water and Nitrogen Schemes on Very Coarse Sandy Loam Soil Under Sprinkler Irrigation in the Semiâ€Arid Region of China. Irrigation and Drainage, 2015, 64, 619-636.	0.8	8
45	Simulation of water and nitrogen dynamics as affected by drip fertigation strategies. Journal of Integrative Agriculture, 2015, 14, 2434-2445.	1.7	25
46	Effects of drip system uniformity and nitrogen application rate on yield and nitrogen balance of spring maize in the North China Plain. Field Crops Research, 2014, 159, 10-20.	2.3	42
47	Effects of drip irrigation system uniformity and nitrogen applied on deep percolation and nitrate leaching during growing seasons of spring maize in semi-humid region. Irrigation Science, 2014, 32, 221-236.	1.3	37
48	Simulation of nitrate leaching under varying drip system uniformities and precipitation patterns during the growing season of maize in the North China Plain. Agricultural Water Management, 2014, 142, 19-28.	2.4	49
49	Effects of Drip System Uniformity and Irrigation Amount on Water and Salt Distributions in Soil Under Arid Conditions. Journal of Integrative Agriculture, 2013, 12, 924-939.	1.7	13
50	Effects of drip system uniformity and irrigation amount on cotton yield and quality under arid conditions. Agricultural Water Management, 2013, 124, 37-51.	2.4	38
51	Nitrogen dynamics in soil and maize yield as affected by drip fertigation splits and rates in semi-humid region. , 2013, , .		1
52	Modeling sprinkler efficiency with consideration of microclimate modification effects. Agricultural and Forest Meteorology, 2012, 161, 116-122.	1.9	9
53	Effects of drip system uniformity on yield and quality of Chinese cabbage heads. Agricultural Water Management, 2012, 110, 118-128.	2.4	36
54	Drip Fertigation Uniformity and Moisture Distribution as Affected by Spatial Variation of Soil Properties and Lateral Depth and Injector Type. , 2011, , .		0

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55	Water and nitrate distributions as affected by layered-textural soil and buried dripline depth under subsurface drip fertigation. Irrigation Science, 2011, 29, 469-478.	1.3	44
56	Field evaluation of fertigation uniformity as affected by injector type and manufacturing variability of emitters. Irrigation Science, 2006, 25, 117-125.	1.3	33
57	Spatial and temporal distributions of nitrogen and crop yield as affected by nonuniformity of sprinkler fertigation. Agricultural Water Management, 2005, 76, 160-180.	2.4	25
58	Drip Irrigation Design Based on Wetted Soil Geometry and Volume From a Surface Point Source. , 2004, , .		0
59	Simulation of nitrate distribution under drip irrigation using artificial neural networks. Irrigation Science, 2004, 23, 29-37.	1.3	40
60	Wetting patterns and nitrogen distributions as affected by fertigation strategies from a surface point source. Agricultural Water Management, 2004, 67, 89-104.	2.4	98
61	Water and nitrogen distribution as affected by fertigation of ammonium nitrate from a point source. Irrigation Science, 2003, 22, 19-30.	1.3	96
62	Field evaluation of crop yield as affected by nonuniformity of sprinkler-applied water and fertilizers. Agricultural Water Management, 2003, 59, 1-13.	2.4	47
63	Sprinkler water distributions as affected by winter wheat canopy. Irrigation Science, 2000, 20, 29-35.	1.3	59
64	Sprinkler performance as affected by nozzle inner contraction angle. Irrigation Science, 1998, 18, 63-66.	1.3	14
65	Modeling crop yield as affected by uniformity of sprinkler irrigation system. Agricultural Water Management, 1998, 38, 135-146.	2.4	65
66	Effect of Pressure and Nozzle Shape on the Characteristics of Sprinkler Droplet Spectra. Biosystems Engineering, 1997, 66, 15-21.	0.4	14
67	The areal distribution of soil moisture under sprinkler irrigation. Agricultural Water Management, 1996, 32, 29-36.	2.4	40
68	Sprinkler Performance as Function of Nozzle Geometrical Parameters. Journal of Irrigation and Drainage Engineering - ASCE, 1996, 122, 244-247.	0.6	6
69	Simulating Water-Drop Movement from Noncircular Sprinkler Nozzles. Journal of Irrigation and Drainage Engineering - ASCE, 1995, 121, 152-158.	0.6	39
70	Estimation of Spatial Soil Water Distribution and Deep Percolation under Sprinkler Irrigation. Suimon Mizu Shigen Gakkaishi, 1995, 8, 49-56.	0.1	1