

Fusheng Li

List of Publications by Year in descending order

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116194

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3365
citing authors

#	ARTICLE	IF	CITATIONS
1	Impacts of Nitrogen Fertilizer Substitution on Greenhouse Gas Emission in a Paddy Field of South China Under Ridge Irrigation. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 837-847.	1.7	3
2	Impacts of combined water-saving irrigation and controlled-release urea on CH ₄ emission and its associated microbial communities and function. <i>Science of the Total Environment</i> , 2022, 830, 154724.	3.9	3
3	Critical reevaluation of an efficient sampling design for assessing soil properties using bootstrap sampling and geostatistical analysis in Japanese large-scale paddy fields. <i>Soil Science and Plant Nutrition</i> , 2022, 68, 536-546.	0.8	2
4	Ridge irrigation reduced greenhouse gas emission in double-cropping rice field. <i>Archives of Agronomy and Soil Science</i> , 2021, 67, 1003-1016.	1.3	7
5	Modified water-nitrogen productivity function based on response of water sensitive index to nitrogen for hybrid maize under drip fertigation. <i>Agricultural Water Management</i> , 2021, 245, 106566.	2.4	12
6	Nitrogen application modified the effect of deficit irrigation on tomato transpiration, and water use efficiency in different growth stages. <i>Scientia Horticulturae</i> , 2020, 263, 109112.	1.7	24
7	Greenhouse Gas Emissions and Global Warming Potential in Double-Cropping Rice Fields as Influenced by Two Water-Saving Irrigation Modes in South China. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 2617-2630.	1.7	14
8	Methane Emission Related to Enzyme Activities and Organic Carbon Fractions in Paddy Soil of South China Under Different Irrigation and Nitrogen Management. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 1397-1410.	1.7	14
9	Production limits analysis of rain-fed maize on the basis of spatial variability of soil factors in North China. <i>Precision Agriculture</i> , 2020, 21, 1187-1208.	3.1	3
10	An investigation on possible effect of leaching fractions physiological responses of hot pepper plants to irrigation water salinity. <i>BMC Plant Biology</i> , 2019, 19, 297.	1.6	6
11	Nitrous Oxide Emission in Relation to Paddy Soil Microbial Communities in South China Under Different Irrigation and Nitrogen Strategies. <i>Communications in Soil Science and Plant Analysis</i> , 2019, 50, 1278-1291.	0.6	7
12	Newly developed water productivity and harvest index models for maize in an arid region. <i>Field Crops Research</i> , 2019, 234, 73-86.	2.3	22
13	Tomato yield, quality and water use efficiency under different drip fertigation strategies. <i>Scientia Horticulturae</i> , 2018, 235, 181-188.	1.7	43
14	Parameterization of the AquaCrop model for full and deficit irrigated maize for seed production in arid Northwest China. <i>Agricultural Water Management</i> , 2018, 203, 438-450.	2.4	47
15	Deficit irrigation provokes more pronounced responses of maize photosynthesis and water productivity to elevated CO ₂ . <i>Agricultural Water Management</i> , 2018, 195, 71-83.	2.4	52
16	Planting density affected biomass and grain yield of maize for seed production in an arid region of Northwest China. <i>Journal of Arid Land</i> , 2018, 10, 292-303.	0.9	21
17	Water use efficiency is improved by alternate partial root-zone irrigation of apple in arid northwest China. <i>Agricultural Water Management</i> , 2017, 179, 184-192.	2.4	69
18	Response of yield and water use efficiency to different irrigation levels at different growth stages of Kenaf and crop water production function. <i>Agricultural Water Management</i> , 2017, 179, 177-183.	2.4	9

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19	Responses of water productivity to irrigation and N supply for hybrid maize seed production in an arid region of Northwest China. <i>Journal of Arid Land</i> , 2017, 9, 504-514.	0.9	26
20	Methods to estimate daily evapotranspiration from hourly evapotranspiration. <i>Biosystems Engineering</i> , 2017, 153, 129-139.	1.9	9
21	Alternate partial root-zone drip irrigation improves water and nitrogen use efficiencies of sweet-waxy maize with nitrogen fertigation. <i>Scientific Reports</i> , 2017, 7, 17256.	1.6	24
22	Performance of AquaCrop and SIMDualKc models in evapotranspiration partitioning on full and deficit irrigated maize for seed production under plastic film-mulch in an arid region of China. <i>Agricultural Systems</i> , 2017, 151, 20-32.	3.2	42
23	Flowering Characteristics and Yield of Maize Inbreds Grown for Hybrid Seed Production under Deficit Irrigation. <i>Crop Science</i> , 2017, 57, 2238-2250.	0.8	18
24	Light Supplement and Carbon Dioxide Enrichment Affect Yield and Quality of Off-Season Pepper. <i>Agronomy Journal</i> , 2017, 109, 2107-2118.	0.9	16
25	Effects of <i>Spartina alterniflora</i> Invasion on Soil Quality in Coastal Wetland of Beibu Gulf of South China. <i>PLoS ONE</i> , 2016, 11, e0168951.	1.1	23
26	Effects of deficit irrigation on yield and nutritional quality of Arabica coffee (<i>Coffea arabica</i>) under different N rates in dry and hot region of southwest China. <i>Agricultural Water Management</i> , 2016, 172, 1-8.	2.4	27
27	Modification of evapotranspiration model based on effective resistance to estimate evapotranspiration of maize for seed production in an arid region of northwest China. <i>Journal of Hydrology</i> , 2016, 538, 194-207.	2.3	34
28	Applying segmented Jarvis canopy resistance into Penman-Monteith model improves the accuracy of estimated evapotranspiration in maize for seed production with film-mulching in arid area. <i>Agricultural Water Management</i> , 2016, 178, 314-324.	2.4	31
29	Evapotranspiration partitioning and variation of sap flow in female and male parents of maize for hybrid seed production in arid region. <i>Agricultural Water Management</i> , 2016, 176, 132-141.	2.4	35
30	Quantification of maize water uptake from different layers and root zones under alternate furrow irrigation using stable oxygen isotope. <i>Agricultural Water Management</i> , 2016, 168, 35-44.	2.4	56
31	Microbial Activity in Paddy Soil and Water-Use Efficiency of Rice as Affected by Irrigation Method and Nitrogen Level. <i>Communications in Soil Science and Plant Analysis</i> , 2016, 47, 19-31.	0.6	16
32	Multi-scale evapotranspiration of summer maize and the controlling meteorological factors in north China. <i>Agricultural and Forest Meteorology</i> , 2016, 216, 1-12.	1.9	139
33	Effects of irrigation and nitrogen management on hybrid maize seed production in north-west China. <i>Frontiers of Agricultural Science and Engineering</i> , 2016, 3, 55.	0.9	9
34	Variations of crop coefficient and its influencing factors in an arid advective cropland of northwest China. <i>Hydrological Processes</i> , 2015, 29, 239-249.	1.1	32
35	Evapotranspiration Model of Maize Field with Ridge Culture Under Alternate Furrow Irrigation. <i>Irrigation and Drainage</i> , 2015, 64, 557-565.	0.8	3
36	Effects of vermicomposts on tomato yield and quality and soil fertility in greenhouse under different soil water regimes. <i>Agricultural Water Management</i> , 2015, 160, 98-105.	2.4	62

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37	Comparison of dual crop coefficient method and Shuttleworthâ€“Wallace model in evapotranspiration partitioning in a vineyard of northwest China. <i>Agricultural Water Management</i> , 2015, 160, 41-56.	2.4	93
38	Optimizing layout of pumping well in irrigation district for groundwater sustainable use in northwest China. <i>Hydrological Processes</i> , 2015, 29, 4188-4198.	1.1	6
39	Variations in tomato yield and quality in relation to soil properties and evapotranspiration under greenhouse condition. <i>Scientia Horticulturae</i> , 2015, 197, 318-328.	1.7	24
40	Effects of Food Waste Compost on Soil Microbial Populations, Tomato Yield, and Tomato Quality. <i>Communications in Soil Science and Plant Analysis</i> , 2014, 45, 1049-1058.	0.6	11
41	COMPREHENSIVE EVALUATION OF FARMLAND INFRASTRUCTURE IN THE ARID AREA OF NORTH-WEST CHINA. <i>Irrigation and Drainage</i> , 2014, 63, 561-572.	0.8	3
42	Crop coefficient and evapotranspiration of grain maize modified by planting density in an arid region of northwest China. <i>Agricultural Water Management</i> , 2014, 142, 135-143.	2.4	78
43	Greater effect of canopy conductance in regulating the energy partition above the maize field in arid northwest China. <i>Hydrological Processes</i> , 2013, 27, 3452-3460.	1.1	7
44	Hydraulic conductivity and water-use efficiency of young pear tree under alternate drip irrigation. <i>Agricultural Water Management</i> , 2013, 119, 80-88.	2.4	28
45	Canopy leaf area index for apple tree using hemispherical photography in arid region. <i>Scientia Horticulturae</i> , 2013, 164, 610-615.	1.7	30
46	Measuring and modeling maize evapotranspiration under plastic film-mulching condition. <i>Journal of Hydrology</i> , 2013, 503, 153-168.	2.3	86
47	Interactive effects of irrigation frequency and nitrogen addition on growth and water use of <i>Jatropha curcas</i> . <i>Biomass and Bioenergy</i> , 2013, 59, 234-242.	2.9	11
48	Quantifying the combined effects of climatic, crop and soil factors on surface resistance in a maize field. <i>Journal of Hydrology</i> , 2013, 489, 124-134.	2.3	23
49	Evapotranspiration measurement and estimation using modified Priestleyâ€“Taylor model in an irrigated maize field with mulching. <i>Agricultural and Forest Meteorology</i> , 2013, 168, 140-148.	1.9	144
50	Effects of alternate partial root-zone irrigation on yield and water use of sticky maize with fertigation. <i>Agricultural Water Management</i> , 2013, 116, 242-247.	2.4	34
51	Effect of convection on the Penmanâ€“Monteith model estimates of transpiration of hot pepper grown in solar greenhouse. <i>Scientia Horticulturae</i> , 2013, 160, 163-171.	1.7	43
52	Soil Enzyme Activities and Soil Fertility Dynamics. , 2012, , 143-156.		11
53	Effects of partial root-zone irrigation on physiology, fruit yield and quality and water use efficiency of tomato under different calcium levels. <i>Agricultural Water Management</i> , 2012, 104, 89-94.	2.4	51
54	Trunk sap flow characteristics during two growth stages of apple tree and its relationships with affecting factors in an arid region of northwest China. <i>Agricultural Water Management</i> , 2012, 104, 193-202.	2.4	68

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55	Leaf photosynthesis, chlorophyll fluorescence, ion content and free amino acids in <i>Caragana korshinskii</i> Kom exposed to NaCl stress. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 2285-2295.	1.0	23
56	Evapotranspiration estimation based on scaling up from leaf stomatal conductance to canopy conductance. <i>Agricultural and Forest Meteorology</i> , 2011, 151, 1086-1095.	1.9	36
57	Determination of comprehensive quality index for tomato and its response to different irrigation treatments. <i>Agricultural Water Management</i> , 2011, 98, 1228-1238.	2.4	143
58	Response of root morphology and distribution in maize to alternate furrow irrigation. <i>Agricultural Water Management</i> , 2011, 98, 1789-1798.	2.4	29
59	Effect of different drip irrigation methods and fertilization on growth, physiology and water use of young apple tree. <i>Scientia Horticulturae</i> , 2011, 129, 119-126.	1.7	33
60	Energy partitioning and evapotranspiration of hot pepper grown in greenhouse with furrow and drip irrigation methods. <i>Scientia Horticulturae</i> , 2011, 129, 790-797.	1.7	55
61	Relationship between environmental factor and maximum daily stem shrinkage in apple tree in arid region of northwest China. <i>Scientia Horticulturae</i> , 2011, 130, 118-125.	1.7	15
62	Sap flow of irrigated <i>Populus alba</i> var. <i>pyramidalis</i> and its relationship with environmental factors and leaf area index in an arid region of Northwest China. <i>Journal of Forest Research</i> , 2011, 16, 144-152.	0.7	68
63	Comparison of spatial interpolation methods for yield response factor of winter wheat and its spatial distribution in Haihe basin of north China. <i>Irrigation Science</i> , 2011, 29, 455-468.	1.3	5
64	Effects of partial root-zone irrigation on hydraulic conductivity in the soil-root system of maize plants. <i>Journal of Experimental Botany</i> , 2011, 62, 4163-4172.	2.4	51
65	Partial root-zone irrigation enhanced soil enzyme activities and water use of maize under different ratios of inorganic to organic nitrogen fertilizers. <i>Agricultural Water Management</i> , 2010, 97, 231-239.	2.4	61
66	Water-use efficiency and physiological responses of maize under partial root-zone irrigation. <i>Agricultural Water Management</i> , 2010, 97, 1156-1164.	2.4	52
67	Variation in vineyard evapotranspiration in an arid region of northwest China. <i>Agricultural Water Management</i> , 2010, 97, 1898-1904.	2.4	37
68	Evaluating eddy covariance method by large-scale weighing lysimeter in a maize field of northwest China. <i>Agricultural Water Management</i> , 2010, 98, 87-95.	2.4	111
69	An evapotranspiration model for sparsely vegetated canopies under partial root-zone irrigation. <i>Agricultural and Forest Meteorology</i> , 2009, 149, 2007-2011.	1.9	28
70	Effects of partial root-zone irrigation on the nitrogen absorption and utilization of maize. <i>Agricultural Water Management</i> , 2009, 96, 208-214.	2.4	74
71	Simulation of artificial neural network model for trunk sap flow of <i>Pyrus pyrifolia</i> and its comparison with multiple-linear regression. <i>Agricultural Water Management</i> , 2009, 96, 939-945.	2.4	38
72	Variability in energy partitioning and resistance parameters for a vineyard in northwest China. <i>Agricultural Water Management</i> , 2009, 96, 955-962.	2.4	27

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73	Response of vegetative growth and fruit development to regulated deficit irrigation at different growth stages of pear-jujube tree. <i>Agricultural Water Management</i> , 2009, 96, 1237-1246.	2.4	73
74	Relationship between stable carbon isotope discrimination and water use efficiency under regulated deficit irrigation of pear-jujube tree. <i>Agricultural Water Management</i> , 2009, 96, 1615-1622.	2.4	30
75	Effects of alternate partial root-zone irrigation on soil microorganism and maize growth. <i>Plant and Soil</i> , 2008, 302, 45-52.	1.8	49
76	Water use and yield responses of cotton to alternate partial root-zone drip irrigation in the arid area of north-west China. <i>Irrigation Science</i> , 2008, 26, 147-159.	1.3	93
77	Diurnal and seasonal variations of sap flow of <i>Caragana korshinskii</i> in the arid desert region of north-west China. <i>Hydrological Processes</i> , 2008, 22, 1197-1205.	1.1	38
78	Comparison of three evapotranspiration models to Bowen ratio-energy balance method for a vineyard in an arid desert region of northwest China. <i>Agricultural and Forest Meteorology</i> , 2008, 148, 1629-1640.	1.9	192
79	Regulated deficit irrigation improved fruit quality and water use efficiency of pear-jujube trees. <i>Agricultural Water Management</i> , 2008, 95, 489-497.	2.4	95
80	Water use efficiency and fruit quality of table grape under alternate partial root-zone drip irrigation. <i>Agricultural Water Management</i> , 2008, 95, 659-668.	2.4	130
81	Comparison of dynamic and static APRI-models to simulate soil water dynamics in a vineyard over the growing season under alternate partial root-zone drip irrigation. <i>Agricultural Water Management</i> , 2008, 95, 767-775.	2.4	11
82	Vineyard evaporative fraction based on eddy covariance in an arid desert region of Northwest China. <i>Agricultural Water Management</i> , 2008, 95, 937-948.	2.4	38
83	Evapotranspiration and crop coefficient of spring maize with plastic mulch using eddy covariance in northwest China. <i>Agricultural Water Management</i> , 2008, 95, 1214-1222.	2.4	141
84	Fertilization regulates soil enzymatic activity and fertility dynamics in a cucumber field. <i>Scientia Horticulturae</i> , 2008, 116, 21-26.	1.7	90
85	Effect of water deficit in different growth stages on stem sap flux of greenhouse grown pear-jujube tree. <i>Agricultural Water Management</i> , 2007, 90, 190-196.	2.4	34
86	Xylem sap flows of irrigated <i>Tamarix elongata</i> Ledeb and the influence of environmental factors in the desert region of Northwest China. <i>Hydrological Processes</i> , 2007, 21, 1363-1369.	1.1	23
87	Comparison of APRI and Hydrus-2D models to simulate soil water dynamics in a vineyard under alternate partial root zone drip irrigation. <i>Plant and Soil</i> , 2007, 291, 211-223.	1.8	37
88	Benefits of alternate partial root-zone irrigation on growth, water and nitrogen use efficiencies modified by fertilization and soil water status in maize. <i>Plant and Soil</i> , 2007, 295, 279-291.	1.8	81
89	Yield and physiological responses of cotton to partial root-zone irrigation in the oasis field of northwest China. <i>Agricultural Water Management</i> , 2006, 84, 41-52.	2.4	98
90	Interactive effects of elevated CO ₂ , nitrogen and drought on leaf area, stomatal conductance, and evapotranspiration of wheat. <i>Agricultural Water Management</i> , 2004, 67, 221-233.	2.4	62

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91	Title is missing!. Plant and Soil, 2003, 254, 279-289.	1.8	45