Feng-Min Li

List of Publications by Year
in descending order

334 papers	15,744 citations	14655 66 h-index	31849 101 g-index
352 all docs	352 docs citations	352 times ranked	11895 citing authors

#	Article	IF	Citations
1	How two ridges and the furrow mulched with plastic film affect soil water, soil temperature and yield of maize on the semiarid Loess Plateau of China. Field Crops Research, 2009, 113, 41-47.	5.1	443
2	Investigating the mechanisms of biocharâ€™s removal of lead from solution. Bioresource Technology, 2015, 177, 308-317.	9.6	337
3	Effects of plastic film mulch and tillage on maize productivity and soil parameters. European Journal of Agronomy, 2009, 31, 241-249.	4.1	309
4	Toxicity of nano-TiO2 on algae and the site of reactive oxygen species production. Aquatic Toxicology, 2015, 158, 1-13.	4.0	256
5	Impacts of climate change and human activities on grassland vegetation variation in the Chinese Loess Plateau. Science of the Total Environment, 2019, 660, 236-244.	8.0	236
6	Dynamics of soil microbial biomass C and soil fertility in cropland mulched with plastic film in a semiarid agro-ecosystem. Soil Biology and Biochemistry, 2004, 36, 1893-1902.	8.8	233
7	Ridge-furrow with full plastic film mulching improves water use efficiency and tuber yields of potato in a semiarid rainfed ecosystem. Field Crops Research, 2014, 161, 137-148.	5.1	230
8	Effects of clear plastic film mulch on yield of spring wheat. Field Crops Research, 1999, 63, 79-86.	5.1	204
9	Predicting Protein Subcellular Location Using Chous Pseudo Amino Acid Composition and Improved Hybrid Approach. Protein and Peptide Letters, 2008, 15, 612-616.	0.9	198
10	Flower numbers, pod production, pollen viability, and pistil function are reduced and flower and pod abortion increased in chickpea (Cicer arietinum L.) under terminal drought. Journal of Experimental Botany, 2010, 61, 335-345.	4.8	193
11	Ridge-furrow and plastic-mulching tillage enhances maizeâ€“soil interactions: Opportunities and challenges in a semiarid agroecosystem. Field Crops Research, 2012, 126, 181-188.	5.1	185
12	Productivity and soil response to plastic film mulching durations for spring wheat on entisols in the semiarid Loess Plateau of China. Soil and Tillage Research, 2004, 78, 9-20.	5.6	179
13	Isolation and Characterization of a Novel Antialgal Allelochemical from Phragmites communis. Applied and Environmental Microbiology, 2005, 71, 6545-6553.	3.1	177
14	Gramine-induced growth inhibition, oxidative damage and antioxidant responses in freshwater cyanobacterium Microcystis aeruginosa. Aquatic Toxicology, 2009, 91, 262-269.	4.0	177
15	Plastic film mulch for half growing-season maximized WUE and yield of potato via moisture-temperature improvement in a semi-arid agroecosystem. Agricultural Water Management, 2012, 104, 68-78.	5.6	176
16	Effect of plastic mulching on soil water use and spring wheat yield in arid region of northwest China. Agricultural Water Management, 2005, 75, 71-83.	5.6	168
17	Each Member of the Poly-r(C)-binding Protein 1 (PCBP) Family Exhibits Iron Chaperone Activity toward Ferritin. Journal of Biological Chemistry, 2013, 288, 17791-17802.	3.4	153
18	Lathyrus sativus (grass pea) and its neurotoxin ODAP. Phytochemistry, 2006, 67, 107-121.	2.9	142

#	Article	IF	Citations
19	Soil water and alfalfa yields as affected by alternating ridges and furrows in rainfall harvest in a semiarid environment. Field Crops Research, 2006, 97, 167-175.	5.1	138
20	Effect of rainwater harvesting with ridge and furrow on yield of potato in semiarid areas. Field Crops Research, 2003, 84, 385-391.	5.1	133
21	Adsorption and inhibition of acetylcholinesterase by different nanoparticles. Chemosphere, 2009, 77, 67-73.	8.2	132
22	Ridge-furrow plastic-mulching with balanced fertilization in rainfed maize (Zea mays L.): An adaptive management in east African Plateau. Agricultural and Forest Meteorology, 2017, 236, 100-112.	4.8	131
23	A regional evaluation of plastic film mulching for improving crop yields on the Loess Plateau of China. Agricultural and Forest Meteorology, 2018, 248, 458-468.	4.8	128
24	Soil physical properties and their relations to organic carbon pools as affected by land use in an alpine pastureland. Geoderma, 2007, 139, 98-105.	5.1	126
25	Multi-site assessment of the effects of plastic-film mulch on the soil organic carbon balance in semiarid areas of China. Agricultural and Forest Meteorology, 2016, 228-229, 42-51.	4.8	126
26	Quaternized Chitosan-Capped Mesoporous Silica Nanoparticles as Nanocarriers for Controlled Pesticide Release. Nanomaterials, 2016, 6, 126.	4.1	122
27	Influence of cultivation and fertilization on total organic carbon and carbon fractions in soils from the Loess Plateau of China. Soil and Tillage Research, 2004, 77, 59-68.	5.6	118
28	Multi-site assessment of the effects of plastic-film mulch on dryland maize productivity in semiarid areas in China. Agricultural and Forest Meteorology, 2016, 220, 160-169.	4.8	117
29	Maize yield and water balance is affected by nitrogen application in a film-mulching ridgeâ€“furrow system in a semiarid region of China. European Journal of Agronomy, 2014, 52, 103-111.	4.1	116
30	Increasing potato yields with additional water and increased soil temperature. Agricultural Water Management, 2005, 78, 181-194.	5.6	115
31	Microplastics in four bivalve species and basis for using bivalves as bioindicators of microplastic pollution. Science of the Total Environment, 2021, 782, 146830.	8.0	115
32	Yield performance of spring wheat improved by regulated deficit irrigation in an arid area. Agricultural Water Management, 2006, 79, 28-42.	5.6	114
33	Benefits and limitations to straw- and plastic-film mulch on maize yield and water use efficiency: A meta-analysis across hydrothermal gradients. European Journal of Agronomy, 2018, 99, 138-147.	4.1	113
34	Responses of enzymatic antioxidants and non-enzymatic antioxidants in the cyanobacterium Microcystis aeruginosa to the allelochemical ethyl 2-methyl acetoacetate (EMA) isolated from reed (Phragmites communis). Journal of Plant Physiology, 2008, 165, 1264-1273.	3.5	111
35	Effect of organic manure and fertilizer on soil water and crop yields in newly-built terraces with loess soils in a semi-arid environment. Agricultural Water Management, 2013, 117, 123-132.	5.6	111
36	Enhanced nitrogen removal in constructed wetlands: Effects of dissolved oxygen and step-feeding. Bioresource Technology, 2014, 169, 395-402.	9.6	106

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37	Remediation of petroleum contaminated soils through composting and rhizosphere degradation. Journal of Hazardous Materials, 2011, 190, 677-685.	12.4	105
38	Iron Chaperone Poly rC Binding Protein 1 Protects Mouse Liver From Lipid Peroxidation and Steatosis. Hepatology, 2021, 73, 1176-1193.	7.3	101
39	Aging of Zerovalent Iron in Synthetic Groundwater: X-ray Photoelectron Spectroscopy Depth Profiling Characterization and Depassivation with Uniform Magnetic Field. Environmental Science & Technology, 2016, 50, 8214-8222.	10.0	97
40	Long-term fertilization and manuring effects on physically-separated soil organic matter pools under a wheatâ€“wheatâ€“maize cropping system in an arid region of China. Soil Biology and Biochemistry, 2010, 42, 253-259.	8.8	96
41	Performance of wheat crops with different chromosome ploidy: root-sourced signals, drought tolerance, and yield performance. Planta, 2006, 224, 710-718.	3.2	94
42	Econometric analysis of the determinants of adoption of rainwater harvesting and supplementary irrigation technology (RHSIT) in the semiarid Loess Plateau of China. Agricultural Water Management, 2007, 89, 243-250.	5.6	94
43	Ridge-furrow mulching system in semiarid Kenya: A promising solution to improve soil water availability and maize productivity. European Journal of Agronomy, 2016, 80, 124-136.	4.1	94
44	Effects of irrigation before sowing and plastic film mulching on yield and water uptake of spring wheat in semiarid Loess Plateau of China. Agricultural Water Management, 2004, 67, 77-88.	5.6	93
45	Soil carbon pool and effects of soil fertility in seeded alfalfa fields on the semi-arid Loess Plateau in China. Soil Biology and Biochemistry, 2006, 38, 2350-2358.	8.8	92
46	Nitrogen fertilization decreases the decomposition of soil organic matter and plant residues in planted soils. Soil Biology and Biochemistry, 2017, 112, 47-55.	8.8	90
47	Fragmentation of Chinaâ€™s landscape by roads and urban areas. Landscape Ecology, 2010, 25, 839-853.	4.2	89
48	Film-Mulched Ridge-Furrow Management Increases Maize Productivity and Sustains Soil Organic Carbon in a Dryland Cropping System. Soil Science Society of America Journal, 2014, 78, 1434-1441.	2.2	88
49	Comparative toxicity of the plasticizer dibutyl phthalate to two freshwater algae. Aquatic Toxicology, 2017, 191, 122-130.	4.0	87
50	Longâ€Term Fertilization Effects on Crop Yield and Nitrate Nitrogen Accumulation in Soil in Northwestern China. Agronomy Journal, 2004, 96, 1039-1049.	1.8	86
51	Runoff Efficiency and the Technique of Micro-water Harvesting with Ridges and Furrows, for Potato Production in Semi-arid Areas. Water Resources Management, 2008, 22, 1431-1443.	3.9	85
52	Exogenous abscisic acid reduces water loss and improves antioxidant defence, desiccation tolerance and transpiration efficiency in two spring wheat cultivars subjected to a soil water deficit. Functional Plant Biology, 2013, 40, 494.	2.1	84
53	Effect of lowering the root/shoot ratio by pruning roots on water use efficiency and grain yield of winter wheat. Field Crops Research, 2010, 115, 158-164.	5.1	83
54	How efficient is film fully-mulched ridgeâ€“furrow cropping to conserve rainfall in soil at a rainfed site?. Field Crops Research, 2014, 169, 107-115.	5.1	81

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55	Continuous plastic-film mulching increases soil aggregation but decreases soil pH in semiarid areas of China. Soil and Tillage Research, 2017, 167, 46-53.	5.6	79
56	Economic analysis of rainwater harvesting and irrigation methods, with an example from China. Agricultural Water Management, 2003, 60, 217-226.	5.6	78
57	Biodegradable and re-usable sponge materials made from chitin for efficient removal of microplastics. Journal of Hazardous Materials, 2021, 420, 126599.	12.4	77
58	Physiological and biochemical effects of allelochemical ethyl 2-methyl acetoacetate (EMA) on cyanobacterium Microcystis aeruginosa. Ecotoxicology and Environmental Safety, 2008, 71, 527-534.	6.0	76
59	Soil Microbial Activity During Secondary Vegetation Succession in Semiarid Abandoned Lands of Loess Plateau. Pedosphere, 2009, 19, 735-747.	4.0	75
60	Conserved water use improves the yield performance of soybean (Glycine max (L.) Merr.) under drought. Agricultural Water Management, 2017, 179, 236-245.	5.6	74
61	Grain yield, dry matter accumulation and remobilization, and root respiration in winter wheat as affected by seeding rate and root pruning. European Journal of Agronomy, 2010, 33, 257-266.	4.1	72
62	Biodegradation of Crude Oil in Contaminated Soils by Free and Immobilized Microorganisms. Pedosphere, 2012, 22, 717-725.	4.0	70
63	Alfalfa forage yield, soil water and P availability in response to plastic film mulch and P fertilization in a semiarid environment. Field Crops Research, 2018, 215, 94-103.	5.1	70
64	The effects of plastic-film mulch on the grain yield and root biomass of maize vary with cultivar in a cold semiarid environment. Field Crops Research, 2018, 216, 89-99.	5.1	70
65	Sequential combination of photocatalysis and microalgae technology for promoting the degradation and detoxification of typical antibiotics. Water Research, 2022, 210, 117985.	11.3	70
66	Effect of oxygen supply strategy on nitrogen removal of biochar-based vertical subsurface flow constructed wetland: Intermittent aeration and tidal flow. Chemosphere, 2019, 223, 366-374.	8.2	69
67	Isolation and heterotrophic cultivation of mixotrophic microalgae strains for domestic wastewater treatment and lipid production under dark condition. Bioresource Technology, 2013, 149, 586-589.	9.6	68
68	Â-Aminobutyric acid increases abscisic acid accumulation and desiccation tolerance and decreases water use but fails to improve grain yield in two spring wheat cultivars under soil drying. Journal of Experimental Botany, 2012, 63, 4849-4860.	4.8	67
69	Correlation of drought resistance in grass pea (Lathyrus sativus) with reactive oxygen species scavenging and osmotic adjustment. Biologia (Poland), 2013, 68, 231-240.	1.5	67
70	Does long-term plastic film mulching really decrease sequestration of organic carbon in soil in the Loess Plateau?. European Journal of Agronomy, 2017, 89, 53-60.	4.1	67
71	Comparative study of individual and Co-Application of biochar and wood vinegar on blueberry fruit yield and nutritional quality. Chemosphere, 2020, 246, 125699.	8.2	66
72	Gender, age, smoking behaviour and plasma clozapine concentrations in 193 Chinese inpatients with schizophrenia. British Journal of Clinical Pharmacology, 2007, 64, 49-56.	2.4	65

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73	Evolutionary agroecology: individual fitness and population yield in wheat (Triticum aestivum). Ecology, 2017, 98, 2261-2266.	3.2	65
74	Switchgrass and milkvetch intercropping under 2:1 row-replacement in semiarid region, northwest China: Aboveground biomass and water use efficiency. European Journal of Agronomy, 2008, 28, 485-492.	4.1	64
75	Combined high leaf hydraulic safety and efficiency provides drought tolerance in Caragana species adapted to low mean annual precipitation. New Phytologist, 2021, 229, 230-244.	7.3	63
76	Deficiency of water can enhance root respiration rate of drought-sensitive but not drought-tolerant spring wheat. Agricultural Water Management, 2004, 64, 41-48.	5.6	62
77	Effects of root pruning on competitive ability and water use efficiency in winter wheat. Field Crops Research, 2008, 105, 56-63.	5.1	62
78	Genotypic Variation in Yield, Yield Components, Root Morphology and Architecture, in Soybean in Relation to Water and Phosphorus Supply. Frontiers in Plant Science, 2017, 8, 1499.	3.6	62
79	Characteristics and mechanisms of chlorpyrifos and chlorpyrifos-methyl adsorption onto biochars: Influence of deashing and low molecular weight organic acid (LMWOA) aging and co-existence. Science of the Total Environment, 2019, 657, 953-962.	8.0	62
80	Three-stage horizontal subsurface flow constructed wetlands for organics and nitrogen removal: Effect of aeration. Ecological Engineering, 2014, 68, 90-96.	3.6	59
81	Film fully-mulched ridge-furrow cropping affects soil biochemical properties and maize nutrient uptake in a rainfed semi-arid environment. Soil Science and Plant Nutrition, 2014, 60, 486-498.	1.9	59
82	Is crop biomass and soil carbon storage sustainable with long-term application of full plastic film mulching under future climate change?. Agricultural Systems, 2017, 150, 67-77.	6.1	59
83	Soil water availability and plant competition affect the yield of spring wheat. European Journal of Agronomy, 2009, 31, 51-60.	4.1	58
84	Factors affecting Î²-ODAP content in Lathyrus sativus and their possible physiological mechanisms. Food and Chemical Toxicology, 2011, 49, 543-549.	3.6	58
85	Effects of pre-sowing irrigation and phosphorus application on water use and yield of spring wheat under semi-arid conditions. Agricultural Water Management, 2001, 49, 173-183.	5.6	57
86	Increased maize yield using slow-release attapulgite-coated fertilizers. Agronomy for Sustainable Development, 2014, 34, 657-665.	5.3	56
87	Cultivation effects on temporal changes of organic carbon and aggregate stability in desert soils of Hexi Corridor region in China. Soil and Tillage Research, 2006, 91, 22-29.	5.6	55
88	Microbial Community Characteristics in a Degraded Wetland of the Yellow River Delta. Pedosphere, 2010, 20, 466-478.	4.0	55
89	Enhancement of Spirotetramat Transfer in Cucumber Plant Using Mesoporous Silica Nanoparticles as Carriers. Journal of Agricultural and Food Chemistry, 2018, 66, 11592-11600.	5.2	55
90	Plastic Film Mulching Increases Soil Respiration in Ridge-furrow Maize Management. Arid Land Research and Management, 2015, 29, 432-453.	1.6	54

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91	Effects of legume species introduction on vegetation and soil nutrient development on abandoned croplands in a semi-arid environment on the Loess Plateau, China. Science of the Total Environment, 2016, 541, 692-700.	8.0	54
92	Impacts of warming and nitrogen addition on soil autotrophic and heterotrophic respiration in a semi-arid environment. Agricultural and Forest Meteorology, 2018, 248, 449-457.	4.8	54
93	Differential toxicity of functionalized polystyrene microplastics to clams (Meretrix meretrix) at three key development stages of life history. Marine Pollution Bulletin, 2019, 139, 346-354.	5.0	54
94	Ridgeâ€“furrow mulched with plastic film increases little in carbon dioxide efflux but much significant in biomass in a semiarid rainfed farming system. Agricultural and Forest Meteorology, 2017, 244-245, 33-41.	4.8	53
95	Atmospheric microplastics in the Northwestern Pacific Ocean: Distribution, source, and deposition. Science of the Total Environment, 2022, 829, 154337.	8.0	53
96	Growth and physiological responses of freshwater green alga Selenastrum capricornutum to allelochemical ethyl 2-methyl acetoacetate (EMA) under different initial algal densities. Pesticide Biochemistry and Physiology, 2008, 90, 203-212.	3.6	52
97	Forage yield, soil water depletion, shoot nitrogen and phosphorus uptake and concentration, of young and old stands of alfalfa in response to nitrogen and phosphorus fertilisation in a semiarid environment. Field Crops Research, 2016, 198, 247-257.	5.1	52
98	Productivity and water use of alfalfa and subsequent crops in the semiarid Loess Plateau with different stand ages of alfalfa and crop sequences. Field Crops Research, 2009, 114, 58-65.	5.1	51
99	Integrated water resources management and water users' associations in the arid region of northwest China: A case study of farmers' perceptions. Journal of Environmental Management, 2014, 145, 162-169.	7.8	51
100	Alternate or equal ridgeâ€“furrow pattern: Which is better for maize production in the rain-fed semi-arid Loess Plateau of China?. Field Crops Research, 2016, 191, 131-138.	5.1	51
101	Dynamics of soil organic carbon and soil fertility affected by alfalfa productivity in a semiarid agro-ecosystem. Biogeochemistry, 2006, 80, 233-243.	3.5	50
102	Utilization of Chitosan-Lactide Copolymer Nanoparticles as Controlled Release Pesticide Carrier for Pyraclostrobin AgainstColletotrichum gossypiiSouthw. Journal of Dispersion Science and Technology, 2014, 35, 544-550.	2.4	50
103	The effect of plastic mulch on the fate of urea-N in rain-fed maize production in a semiarid environment as assessed by 15N-labeling. European Journal of Agronomy, 2015, 70, 71-77.	4.1	50
104	Evolutionary agroecology: Trends in root architecture during wheat breeding. Evolutionary Applications, 2019, 12, 733-743.	3.1	50
105	Root Respiration, Photosynthesis and Grain Yield of Two Spring Wheat in Response to Soil Drying. Plant Growth Regulation, 2005, 46, 233-240.	3.4	49
106	Crop yield and soil water restoration on 9-year-old alfalfa pasture in the semiarid Loess Plateau of China. Agricultural Water Management, 2008, 95, 190-198.	5.6	49
107	Polystyrene microplastics impaired the feeding and swimming behavior of mysid shrimp Neomysis japonica. Marine Pollution Bulletin, 2020, 150, 110660.	5.0	49
108	Greater Biofilm Formation and Increased Biodegradation of Polyethylene Film by a Microbial Consortium of Arthrobacter sp. and Streptomyces sp.. Microorganisms, 2020, 8, 1979.	3.6	49

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109	Effects of early soil water distribution on the dry matter partition between roots and shoots of winter wheat. Agricultural Water Management, 2001, 49, 163-171.	5.6	48
110	Crop cultivation and intensive grazing affect organic C pools and aggregate stability in arid grassland soil. Soil and Tillage Research, 2007, 95, 172-181.	5.6	48
111	Effect of Drought on the Gas Exchange, Chlorophyll Fluorescence and Yield of Six Differentâ€Era Spring Wheat Cultivars. Journal of Agronomy and Crop Science, 2015, 201, 253-266.	3.5	48
112	Gas exchange, biomass partition, and water relationships of three grass seedlings under water stress. Weed Biology and Management, 2006, 6, 79-88.	1.4	47
113	Effect of plastic film mulching and film residues on phthalate esters concentrations in soil and plants, and its risk assessment. Environmental Pollution, 2021, 286, 117546.	7.5	47
114	Plastic Mulch Stimulates Nitrogen Mineralization in Ureaâ€Amended Soils in a Semiarid Environment. Agronomy Journal, 2015, 107, 921-930.	1.8	47
115	Response Gene to Complement 32, a Novel Regulator for Transforming Growth Factor-Î²-induced Smooth Muscle Differentiation of Neural Crest Cells. Journal of Biological Chemistry, 2007, 282, 10133-10137.	3.4	46
116	Nitrogen removal from agricultural runoff by full-scale constructed wetland in China. Hydrobiologia, 2009, 621, 115-126.	2.0	46
117	The relationship between competitive ability and yield stability in an old and a modern winter wheat cultivar. Plant and Soil, 2011, 347, 7-23.	3.7	46
118	Changes in root morphology and physiology to limited phosphorus and moisture in a locally-selected cultivar and an introduced cultivar of Medicago sativa L. growing in alkaline soil. Plant and Soil, 2015, 392, 215-226.	3.7	46
119	Soil quality responses to alfalfa watered with a field micro-catchment technique in the Loess Plateau of China. Field Crops Research, 2006, 95, 64-74.	5.1	45
120	Allometric analysis of the effects of density on reproductive allocation and Harvest Index in 6 varieties of wheat (Triticum). Field Crops Research, 2013, 144, 162-166.	5.1	44
121	Identifying anticancer peptides by using improved hybrid compositions. Scientific Reports, 2016, 6, 33910.	3.3	44
122	Pyrolysis of Arundo donax L. to produce pyrolytic vinegar and its effect on the growth of dinoflagellate Karenia brevis. Bioresource Technology, 2018, 247, 273-281.	9.6	44
123	Effect of co-application of wood vinegar and biochar on seed germination and seedling growth. Journal of Soils and Sediments, 2019, 19, 3934-3944.	3.0	44
124	Biochar decreased enantioselective uptake of chiral pesticide metalaxyl by lettuce and shifted bacterial community in agricultural soil. Journal of Hazardous Materials, 2021, 417, 126047.	12.4	43
125	Effects of land use on soil total and light fraction organic, and microbial biomass C and N in a semi-arid ecosystem of northwest China. Geoderma, 2009, 153, 285-290.	5.1	42
126	Solar dimming and its impact on estimating solar radiation from diurnal temperature range in China, 1961â€“2007. Theoretical and Applied Climatology, 2010, 101, 137-142.	2.8	42

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127	Effects of Drought Stress on Morphophysiological Traits, Biochemical Characteristics, Yield, and Yield Components in Different Ploidy Wheat. Advances in Agronomy, 2017, , 139-173.	5.2	42
128	The Arabidopsis Vacuolar Sorting Receptor1 Is Required for Osmotic Stress-Induced Abscisic Acid Biosynthesis Â. Plant Physiology, 2014, 167, 137-152.	4.8	41
129	Does a mixture of old and modern winter wheat cultivars increase yield and water use efficiency in water-limited environments?. Field Crops Research, 2014, 156, 12-21.	5.1	41
130	Responses of soil microorganisms, carbon and nitrogen to freezeâ€“thaw cycles in diverse land-use types. Applied Soil Ecology, 2018, 124, 211-217.	4.3	41
131	Biochar reduced Chinese chive (Allium tuberosum) uptake and dissipation of thiamethoxam in an agricultural soil. Journal of Hazardous Materials, 2020, 390, 121749.	12.4	41
132	Soil-Water Threshold Range of Chemical Signals and Drought Tolerance Was Mediated by ROS Homeostasis in Winter Wheat During Progressive Soil Drying. Journal of Plant Growth Regulation, 2008, 27, 309-319.	5.1	40
133	Unique role of NADPH oxidase 5 in oxidative stress in human renal proximal tubule cells. Redox Biology, 2014, 2, 570-579.	9.0	40
134	Towards Risk Assessments of Microplastics in Bivalve Mollusks Globally. Journal of Marine Science and Engineering, 2022, 10, 288.	2.6	40
135	The relationship between mechanical properties and crossed-lamellar structure of mollusk shells. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 483-484, 309-312.	5.6	39
136	Accumulation pattern of toxin Î²-ODAP during lifespan and effect of nutrient elements on Î²-ODAP content in Lathyrus sativus seedlings. Journal of Agricultural Science, 2006, 144, 369-375.	1.3	38
137	Early activation of plasma membrane H+-ATPase and its relation to drought adaptation in two contrasting oat (Avena sativa L.) genotypes. Environmental and Experimental Botany, 2010, 69, 1-8.	4.2	38
138	Effects of water management with plastic film in a semi-arid agricultural system on available soil carbon fractions. European Journal of Soil Biology, 2013, 57, 9-12.	3.2	38
139	Topographic influences on soil properties and aboveground biomass in lucerne-rich vegetation in a semi-arid environment. Geoderma, 2019, 344, 137-143.	5.1	38
140	Effect of tillage and rotation on organic carbon forms of chernozemic soils in Saskatchewan. Journal of Plant Nutrition and Soil Science, 2003, 166, 328-335.	1.9	37
141	Individual and combined applications of biochar and pyroligneous acid mitigate dissemination of antibiotic resistance genes in agricultural soil. Science of the Total Environment, 2021, 796, 148962.	8.0	37
142	Defense strategy of old and modern spring wheat varieties during soil drying. Physiologia Plantarum, 2009, 136, 310-323.	5.2	36
143	Palygorskite-coated fertilizers with a timely release of nutrients increase potato productivity in a rain-fed cropland. Field Crops Research, 2014, 166, 10-17.	5.1	36
144	Exploring micro-field water-harvesting farming system in dryland wheat (Triticum aestivum L.): An innovative management for semiarid Kenya. Field Crops Research, 2016, 196, 207-218.	5.1	36

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145	Sulfonate-Functionalized Mesoporous Silica Nanoparticles as Carriers for Controlled Herbicide Diquat Dibromide Release through Electrostatic Interaction. International Journal of Molecular Sciences, 2019, 20, 1330.	4.1	36
146	Soil Quality Dynamics Under Successional Alfalfa Field in the Semi-arid Loess Plateau of Northwestern China. Arid Land Research and Management, 2007, 21, 287-303.	1.6	35
147	Soil carbon sequestration by three perennial legume pastures is greater in deeper soil layers than in the surface soil. Biogeosciences, 2016, 13, 527-534.	3.3	35
148	Effect of Rare Earth Element Europium on Amaranthin Synthesis in Amarathus caudatus Seedlings. Biological Trace Element Research, 2003, 93, 271-282.	3.5	34
149	The effect of supplemental irrigation on watermelon (Citrullus lanatus) production in gravel and sand mulched fields in the Loess Plateau of northwest China. Agricultural Water Management, 2004, 69, 29-41.	5.6	34
150	Decomposition of maize straw in saline soil. Biology and Fertility of Soils, 2006, 42, 366-370.	4.3	34
151	Long-term effects of manure and fertilization on soil organic matter and quality parameters of a calcareous soil in NW China. Journal of Plant Nutrition and Soil Science, 2007, 170, 234-243.	1.9	34
152	Soil Organic Carbon, Carbon Fractions and Nutrients as Affected by Land Use in Semi-Arid Region of Loess Plateau of China. Pedosphere, 2010, 20, 146-152.	4.0	34
153	Hydraulic and Non-hydraulic Root-sourced Signals in Old and Modern Spring Wheat Cultivars in a Semiarid Area. Journal of Plant Growth Regulation, 2006, 25, 120-136.	5.1	33
154	Dynamics of soil organic carbon and nitrogen associated with physically separated fractions in a grassland-cultivation sequence in the Qinghai-Tibetan plateau. Biology and Fertility of Soils, 2010, 46, 103-111.	4.3	33
155	Econometric analysis of the determinants of adoption of raising sheep in folds by farmers in the semiarid Loess Plateau of China. Ecological Economics, 2012, 74, 145-152.	5.7	33
156	Detection of phthalate esters in seawater by stir bar sorptive extraction and gas chromatographyâ€“mass spectrometry. Marine Pollution Bulletin, 2016, 108, 163-170.	5.0	33
157	Effect of surfactant concentration on the evaporation of droplets on cotton (Gossypium hirsutum) Tj ETQq1 1 0.784314 rgBT /Overlo	5.0	33
158	Ridgeâ€furrow plastic film mulching farming for sustainable dryland agriculture on the Chinese loess plateau. Agronomy Journal, 2020, 112, 3284-3294.	1.8	33
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