Changyan Tian

List of Publications by Year
in descending order

49 papers	799 citations	516710 16 h-index	580821 25 g-index
49 all docs	49 docs citations	49 times ranked	1100 citing authors

#	Article	IF	Citations
1	The Effects of Suaeda salsa/Zea mays L. Intercropping on Plant Growth and Soil Chemical Characteristics in Saline Soil. Agriculture (Switzerland), 2022, 12, 107.	3.1	6
2	Root Morphology and Rhizosphere Characteristics Are Related to Salt Tolerance of Suaeda salsa and Beta vulgaris L.. Frontiers in Plant Science, 2021, 12, 677767.	3.6	11
3	Storage Period and Different Abiotic Factors Regulate Seed Germination of Two Apocynum Species â€” Cash Crops in Arid Saline Regions in the Northwestern China. Frontiers in Plant Science, 2021, 12, 671157.	3.6	6
4	Transgenerational Effects of Maternal Water Condition on the Growth, C:N Stoichiometry and Seed Characteristics of the Desert Annual Atriplex aucheri. Plants, 2021, 10, 2362.	3.5	3
5	Comparison of Efficiency-Enhanced Management and Conventional Management of Irrigation and Nitrogen Fertilization in Cotton Fields of Northwestern China. Agriculture (Switzerland), 2021, 11, 1134.	3.1	4
6	Elevated CO2 increases shoot growth but not root growth and C:N:P stoichiometry of Suaeda aralocaspica plants. Journal of Arid Land, 2021, 13, 1155-1162.	2.3	1
7	Soil moisture threshold in controlling above- and belowground community stability in a temperate desert of Central Asia. Science of the Total Environment, 2020, 703, 134650.	8.0	10
8	Salinity relief aniline induced oxidative stress in Suaeda salsa: Activities of antioxidative enzyme and EPR measurements. Ecotoxicology and Environmental Safety, 2020, 205, 111293.	6.0	5
9	NaCl Improves Suaeda salsa Aniline Tolerance in Wastewater. Sustainability, 2020, 12, 7457.	3.2	5
10	Nitrogen Removal Efficiency and Microbial Community Analysis of a High-Efficiency Honeycomb Fixed-Bed Bioreactor. Water (Switzerland), 2020, 12, 1832.	2.7	2
11	Heavy metal tolerance and potential for remediation of heavy metal-contaminated saline soils for the euhalophyte <i>Suaeda salsa</i>. Plant Signaling and Behavior, 2020, 15, 1805902.	2.4	26
12	Does cotton bollworm show cross-resistance to the Bacillus thuringiensis toxins Cry1Ac and Cry2Ab? A mini review. Journal of Arid Land, 2020, 12, 349-356.	2.3	2
13	Maternal effects on seed heteromorphism: a dual dynamic bet hedging strategy. Seed Science Research, 2019, 29, 149-153.	1.7	7
14	A draft genome assembly of halophyte Suaeda aralocaspica, a plant that performs C4 photosynthesis within individual cells. GigaScience, 2019, 8, .	6.4	23
15	Lithium biofortification of medicinal tea Apocynum venetum. Scientific Reports, 2019, 9, 8182.	3.3	17
16	Simultaneously maximizing root/mycorrhizal growth and phosphorus uptake by cotton plants by optimizing water and phosphorus management. BMC Plant Biology, 2018, 18, 334.	3.6	9
17	Subcellular distribution and chemical forms of lithium in Li-accumulator Apocynum venetum. Plant Physiology and Biochemistry, 2018, 132, 341-344.	5.8	18
18	Large-scale de novo transcriptome analysis reveals specific gene expression and novel simple sequence repeats markers in salinized roots of the euhalophyte Salicornia europaea. Acta Physiologiae Plantarum, 2018, 40, 1.	2.1	2

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19	Tolerance and accumulation of lithium in <i>Apocynum pictum</i> Schrenk. PeerJ, 2018, 6, e5559.	2.0	11
20	Characteristics of soil seed banks at different geomorphic positions within the longitudinal sand dunes of the Gurbantunggut Desert, China. Journal of Arid Land, 2017, 9, 355-367.	2.3	9
21	Crop yields and soil organic carbon dynamics in a long-term fertilization experiment in an extremely arid region of northern Xinjiang, China. Journal of Arid Land, 2017, 9, 345-354.	2.3	6
22	The role of tamarisk in the spatial heterogeneity of soil resources in the northern Tarim Basin, Xinjiang, China. Plant and Soil, 2017, 420, 523-538.	3.7	4
23	Effects of vertebral number variations on carcass traits and genotyping of Vertnin candidate gene in Kazakh sheep. Asian-Australasian Journal of Animal Sciences, 2017, 30, 1234-1238.	2.4	21
24	Highly Arid Oasis Yield, Soil Mineral N Accumulation and N Balance in a Wheat-Cotton Rotation with Drip Irrigation and Mulching Film Management. PLoS ONE, 2016, 11, e0165404.	2.5	5
25	Effects of drought and salt-stresses on gene expression in Caragana korshinskii seedlings revealed by RNA-seq. BMC Genomics, 2016, 17, 200.	2.8	47
26	Increasing phosphorus concentration in the extraradical hyphae of Rhizophagus irregularis DAOM 197198 leads to a concomitant increase in metal minerals. Mycorrhiza, 2016, 26, 909-918.	2.8	9
27	Effects of salinity and nitrate on production and germination of dimorphic seeds applied both through the mother plant and exogenously during germination in <i><scp>S</scp>uaeda salsa</i>. Plant Species Biology, 2016, 31, 19-28.	1.0	92
28	Anaerobic Nitrate-Dependent Iron (II) Oxidation by a Novel Autotrophic Bacterium,<i>Citrobacter freundii</i>Strain PXL1. Geomicrobiology Journal, 2014, 31, 138-144.	2.0	59
29	Greenhouse gas intensity and net annual global warming potential of cotton cropping systems in an extremely arid region. Nutrient Cycling in Agroecosystems, 2014, 98, 15-26.	2.2	20
30	Localized salt accumulation: the main reason for cotton root length decrease during advanced growth stages under drip irrigation with mulch film in a saline soil. Journal of Arid Land, 2014, 6, 361-370.	2.3	11
31	Characteristics of mineral elements in shoots of three annual halophytes in a saline desert, Northern Xinjiang. Journal of Arid Land, 2013, 5, 244-254.	2.3	13
32	Soil Salinity Dynamics under Drip Irrigation and Mulch Film and Their Effects on Cotton Root Length. Communications in Soil Science and Plant Analysis, 2013, 44, 1489-1502.	1.4	16
33	Evaluation of ecological sensitivity in Karamay, Xinjiang, China. Journal of Chinese Geography, 2012, 22, 329-345.	3.9	22
34	No significant nitrous oxide emissions during spring thaw under grazing and nitrogen addition in an alpine grassland. Global Change Biology, 2012, 18, 2546-2554.	9.5	59
35	Current situation and potential development of China's environmental management at the ruralâ€“urban interface. International Journal of Sustainable Development and World Ecology, 2011, 18, 265-271.	5.9	3
36	Contrasting diurnal variations in soil organic carbon decomposition and root respiration due to a hysteresis effect with soil temperature in a Gossypium s. (cotton) plantation. Plant and Soil, 2011, 343, 347-355.	3.7	27

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37	On-site growth response of a desert ephemeral plant, Plantago minuta, to indigenous arbuscular mycorrhizal fungi in a central Asia desert. Symbiosis, 2011, 55, 77-84.	2.3	19
38	Ability of multicellular salt glands in Tamarix species to secrete Na+ and K+ selectively. Science China Life Sciences, 2011, 54, 282-289.	4.9	26
39	Change in pan evaporation over the past 50 years in the arid region of China. Hydrological Processes, 2010, 24, 225-231.	2.6	37
40	Effects of NO 3 â˘ -N on the growth and salinity tolerance of Tamarix laxa Willd. Plant and Soil, 2010, 331, 57-67.	3.7	38
41	Empirical models of calculating phreatic evaporation from bare soil in Tarim river basin, Xinjiang. Environmental Earth Sciences, 2009, 59, 663-668.	2.7	18
42	Theoretical analysis of the limiting rate of phreatic evaporation for aeolian sandy soil in Taklimakan Desert. Science Bulletin, 2008, 53, 119-124.	9.0	9
43	Characteristics and dynamics of the soil seed bank at the north edge of Taklimakan Desert. Science in China Series D: Earth Sciences, 2007, 50, 122-127.	0.9	8
44	Diversity and zonal distribution of arbuscular mycorrhizal fungi on the northern slopes of the Tianshan Mountains. Science in China Series D: Earth Sciences, 2007, 50, 135-141.	0.9	4
45	Suitable scale of Weigan River plain oasis. Science in China Series D: Earth Sciences, 2007, 50, 56-64.	0.9	17
46	Models for calculating phreatic water evaporation on bare and Tamarix-vegetated lands. Science Bulletin, 2006, 51, 43-50.	1.7	8
47	Diversity of arbuscular mycorrhizal fungi associated with desert ephemerals growing under and beyond the canopies of Tamarisk shrubs. Science Bulletin, 2006, 51, 132-139.	1.7	11
48	Arbuscular mycorrhizal associations in the Gurbantunggut Desert. Science Bulletin, 2006, 51, 140-146.	1.7	6
49	Biological mechanism of controlling cotton aphid (Homoptera: aphididae) by the marginal alfalfa zone surrounding cotton field. Science Bulletin, 2000, 45, 355-358.	1.7	7