Caixian Tang

List of Publications by Year
in descending order

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297 papers	15,503 citations	17440 63 h-index	29157 104 g-index
298 all docs	298 docs citations	298 times ranked	12325 citing authors

#	Article	IF	Citations
1	Application of calcium nitrate with phosphorus promotes rhizosphere alkalization in acid subsoil. European Journal of Soil Science, 2022, 73, .	3.9	3
2	Biochar reduced extractable dieldrin concentrations and promoted oligotrophic growth including microbial degraders of chlorinated pollutants. Journal of Hazardous Materials, 2022, 423, 127156.	12.4	5
3	Use of X-ray tomography for examining root architecture in soils. Geoderma, 2022, 405, 115405.	5.1	17
4	Fifteen years of crop rotation combined with straw management alters the nitrogen supply capacity of upland-paddy soil. Soil and Tillage Research, 2022, 215, 105219.	5.6	18
5	Elevated atmospheric CO2 alters the microbial community composition and metabolic potential to mineralize organic phosphorus in the rhizosphere of wheat. Microbiome, 2022, 10, 12.	11.1	24
6	Carbon availability mediates the effect of nitrogen on CO2 release from soils. Soil Security, 2022, 6, 100041.	2.3	4
7	Soil microbial metabolism on carbon and nitrogen transformation links the crop-residue contribution to soil organic carbon. Npj Biofilms and Microbiomes, 2022, 8, 14.	6.4	12
8	The effects of biochar aging on rhizosphere microbial communities in cadmium-contaminated acid soil. Chemosphere, 2022, 303, 135153.	8.2	15
9	Increasing nitrogen availability does not decrease the priming effect on soil organic matter under pulse glucose and single nitrogen addition in woodland topsoil. Soil Biology and Biochemistry, 2022, 172, 108767.	8.8	17
10	Alkalinity movement down acid soil columns was faster when lime and plant residues were combined than when either was applied separately. European Journal of Soil Science, 2021, 72, 313-325.	3.9	10
11	Impact of novel materials on alkalinity movement down acid soil profiles when combined with lime. Journal of Soils and Sediments, 2021, 21, 52-62.	3.0	12
12	Impacts of elevated CO2 on plant resistance to nutrient deficiency and toxic ions via root exudates: A review. Science of the Total Environment, 2021, 754, 142434.	8.0	38
13	Highly decomposed organic carbon mediates the assembly of soil communities with traits for the biodegradation of chlorinated pollutants. Journal of Hazardous Materials, 2021, 404, 124077.	12.4	11
14	Ameliorating dense clay subsoils to increase the yield of rain-fed crops. Advances in Agronomy, 2021, 165, 249-300.	5.2	8
15	Contrasting effects of microplastics on sorption of diazepam and phenanthrene in soil. Journal of Hazardous Materials, 2021, 406, 124312.	12.4	37
16	Attapulgite and processed oyster shell powder effectively reduce cadmium accumulation in grains of rice growing in a contaminated acidic paddy field. Ecotoxicology and Environmental Safety, 2021, 209, 111840.	6.0	21
17	Soil Biogeochemical Cycle Couplings Inferred from a Function-Taxon Network. Research, 2021, 2021, 7102769.	5.7	30
18	Linking rhizospheric diazotrophs to the stimulation of soybean N2 fixation in a Mollisol amended with maize straw. Plant and Soil, 2021, 463, 279-289.	3.7	6

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19	Greater variation of bacterial community structure in soybean- than maize-grown Mollisol soils in responses to seven-year elevated CO2 and temperature. Science of the Total Environment, 2021, 764, 142836.	8.0	10
20	Liming effect of non-legume residues promotes the biological amelioration of soil acidity via nitrate uptake. Plant and Soil, 2021, 464, 63-73.	3.7	4
21	Intact and washed biochar caused different patterns of nitrogen transformation and distribution in a flooded paddy soil. Journal of Cleaner Production, 2021, 293, 126259.	9.3	11
22	Reducing topsoil depth decreases the yield and nutrient uptake of maize and soybean grown in a glacial till. Land Degradation and Development, 2021, 32, 2849-2860.	3.9	13
23	Elevated CO2 and phosphorus deficiency interactively enhance root exudation in Lupinus albus L.. Plant and Soil, 2021, 465, 229-243.	3.7	6
24	Combined nitrate and phosphorus application promotes rhizosphere alkalization and nitrogen uptake by wheat but not canola in acid subsoils. Journal of Soils and Sediments, 2021, 21, 2995-3006.	3.0	1
25	Biochars and their feedstocks differ in their short-term effects in ameliorating acid soils grown with aluminium-sensitive wheat. Journal of Soils and Sediments, 2021, 21, 2805-2816.	3.0	7
26	Liming and priming: the long-term impact of pH amelioration on mineralisation may negate carbon sequestration gains.. Soil Security, 2021, 3, 100007.	2.3	7
27	Differential responses of thesunn4andrdn1-1super-nodulation mutants ofMedicago truncatulato elevated atmospheric CO2. Annals of Botany, 2021, 128, 441-452.	2.9	3
28	Interactive effects of biochar type and pH on the bioavailability of As and Cd and microbial activities in co-contaminated soils. Environmental Technology and Innovation, 2021, 23, 101767.	6.1	12
29	Organic matter chemistry and bacterial community structure regulate decomposition processes in post-fire forest soils. Soil Biology and Biochemistry, 2021, 160, 108311.	8.8	49
30	Rice rhizodeposition promotes the build-up of organic carbon in soil via fungal necromass. Soil Biology and Biochemistry, 2021, 160, 108345.	8.8	43
31	Incorporation of maize crop residue maintains soybean yield through the stimulation of nitrogen fixation rather than residue-derived nitrogen in Mollisols. Field Crops Research, 2021, 272, 108269.	5.1	6
32	Effect of alkaline lignin on immobilization of cadmium and lead in soils and the associated mechanisms. Chemosphere, 2021, 281, 130969.	8.2	15
33	Biochar aging alters the bioavailability of cadmium and microbial activity in acid contaminated soils. Journal of Hazardous Materials, 2021, 420, 126666.	12.4	24
34	Novel agricultural waste-based materials decrease the uptake and accumulation of cadmium by rice (Oryza sativa L.) in contaminated paddy soils. Environmental Pollution, 2021, 289, 117838.	7.5	5
35	Bacterial community structure and putative nitrogen-cycling functional traits along a charosphere gradient under waterlogged conditions. Soil Biology and Biochemistry, 2021, 162, 108420.	8.8	21
36	Habitat heterogeneity induced by pyrogenic organic matter in wildfire-perturbed soils mediates bacterial community assembly processes. ISME Journal, 2021, 15, 1943-1955.	9.8	23

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37	An Insight Into the Effect of Organic Amendments on the Transpiration Efficiency of Wheat Plant in a Sodic Duplex Soil. Frontiers in Plant Science, 2021, 12, 722000.	3.6	3
38	Nitrogen Fertiliser Immobilisation and Uptake in the Rhizospheres of Wheat and Canola. Agronomy, 2021, 11, 2507.	3.0	0
39	Chemical and biological immobilization mechanisms of potentially toxic elements in biochar-amended soils. Critical Reviews in Environmental Science and Technology, 2020, 50, 903-978.	12.8	157
40	Plant roots and deep-banded nutrient-rich amendments influence aggregation and dispersion in a dispersive clay subsoil. Soil Biology and Biochemistry, 2020, 141, 107664.	8.8	9
41	Crop-dependent root-microbe-soil interactions induce contrasting natural attenuation of organochlorine lindane in soils. Environmental Pollution, 2020, 257, 113580.	7.5	13
42	Dynamic processes in conjunction with microbial response to disclose the biochar effect on pentachlorophenol degradation under both aerobic and anaerobic conditions. Journal of Hazardous Materials, 2020, 384, 121503.	12.4	32
43	A novel calcium-based magnetic biochar is effective in stabilization of arsenic and cadmium co-contamination in aerobic soils. Journal of Hazardous Materials, 2020, 387, 122010.	12.4	153
44	Long-term nutrient inputs shift soil microbial functional profiles of phosphorus cycling in diverse agroecosystems. ISME Journal, 2020, 14, 757-770.	9.8	280
45	An agricultural practise with climate and food security benefits: â€œClayingâ€•with kaolinitic clay subsoil decreased soil carbon priming and mineralisation in sandy cropping soils. Science of the Total Environment, 2020, 709, 134488.	8.0	9
46	Microplastics in the soil environment: Occurrence, risks, interactions and fate â€“ A review. Critical Reviews in Environmental Science and Technology, 2020, 50, 2175-2222.	12.8	324
47	Effects of carbide slag, lodestone and biochar on the immobilization, plant uptake and translocation of As and Cd in a contaminated paddy soil. Environmental Pollution, 2020, 266, 115194.	7.5	60
48	Effectiveness of innovative organic amendments in acid soils depends on their ability to supply P and alleviate Al and Mn toxicity in plants. Journal of Soils and Sediments, 2020, 20, 3951-3962.	3.0	16
49	Elevated CO2 promotes the acquisition of phosphorus in crop species differing in physiological phosphorus-acquiring mechanisms. Plant and Soil, 2020, 455, 397-408.	3.7	10
50	A novel calcium-based magnetic biochar reduces the accumulation of As in grains of rice (Oryza sativa) Tj ETQq0 0 0 rgBT /Overlock 10 T	12.4	25
51	Long-term CO2 enrichment alters the diversity and function of the microbial community in soils with high organic carbon. Soil Biology and Biochemistry, 2020, 144, 107780.	8.8	33
52	Mechanisms for the removal of Cd(II) and Cu(II) from aqueous solution and mine water by biochars derived from agricultural wastes. Chemosphere, 2020, 254, 126745.	8.2	115
53	Priming of soil organic carbon induced by sugarcane residues and its biochar control the source of nitrogen for plant uptake: A dual 13C and 15N isotope three-source-partitioning study. Soil Biology and Biochemistry, 2020, 146, 107792.	8.8	31
54	Organic adsorbents modified with citric acid and Fe3O4 enhance the removal of Cd and Pb in contaminated solutions. Chemical Engineering Journal, 2020, 395, 125108.	12.7	65

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55	Salinity decreases Cd translocation by altering Cd speciation in the halophytic Cd-accumulatorCarpobrotus rossii. Annals of Botany, 2019, 123, 121-132.	2.9	15
56	Allelopathic effects account for the inhibitory effect of field-pea (Pisum sativum L.) shoots on wheat growth in dense clay subsoils. Biology and Fertility of Soils, 2019, 55, 649-659.	4.3	7
57	Assembly of root-associated microbiomes of typical rice cultivars in response to lindane pollution. Environment International, 2019, 131, 104975.	10.0	49
58	Composition of soil organic matter drives total loss of dieldrin and dichlorodiphenyltrichloroethane in high-value pastures over thirty years. Science of the Total Environment, 2019, 691, 135-145.	8.0	11
59	Microbial communities in top- and subsoil of repacked soil columns respond differently to amendments but their diversity is negatively correlated with plant productivity. Scientific Reports, 2019, 9, 8890.	3.3	27
60	13C-DNA-SIP Distinguishes the Prokaryotic Community That Metabolizes Soybean Residues Produced Under Different CO2 Concentrations. Frontiers in Microbiology, 2019, 10, 2184.	3.5	5
61	Improved rhizoremediation for decabromodiphenyl ether (BDE-209) in E-waste contaminated soils. Soil Ecology Letters, 2019, 1, 157-173.	4.5	5
62	Biogeographic Distribution Patterns of the Archaeal Communities Across the Black Soil Zone of Northeast China. Frontiers in Microbiology, 2019, 10, 23.	3.5	27
63	Susceptibility of soil organic carbon to priming after long-term CO2 fumigation is mediated by soil texture. Science of the Total Environment, 2019, 657, 1112-1120.	8.0	14
64	Rhizosphere priming of two near-isogenic wheat lines varying in citrate efflux under different levels of phosphorus supply. Annals of Botany, 2019, 124, 1033-1042.	2.9	8
65	The negative impact of cadmium on nitrogen transformation processes in a paddy soil is greater under non-flooding than flooding conditions. Environment International, 2019, 129, 451-460.	10.0	59
66	Ten-year application of cattle manure contributes to the build-up of soil organic matter in eroded Mollisols. Journal of Soils and Sediments, 2019, 19, 3035-3043.	3.0	7
67	Soil organic carbon dynamics: Impact of land use changes and management practices: A review. Advances in Agronomy, 2019, , 1-107.	5.2	216
68	Elevated CO2 and temperature increase grain oil concentration but their impacts on grain yield differ between soybean and maize grown in a temperate region. Science of the Total Environment, 2019, 666, 405-413.	8.0	36
69	Phosphorus uptake benefit for wheat following legume break crops in semi-arid Australian farming systems. Nutrient Cycling in Agroecosystems, 2019, 113, 247-266.	2.2	10
70	Absorption of foliar-applied Zn in sunflower (Helianthus annuus): importance of the cuticle, stomata and trichomes. Annals of Botany, 2019, 123, 57-68.	2.9	81
71	Evaluating effects of iron on manganese toxicity in soybean and sunflower using synchrotron-based X-ray fluorescence microscopy and X-ray absorption spectroscopy. Metallomics, 2019, 11, 2097-2110.	2.4	8
72	Elevated CO2 (free-air CO2 enrichment) increases grain yield of aluminium-resistant but not aluminium-sensitive wheat (Triticum aestivum) grown in an acid soil. Annals of Botany, 2019, 123, 461-468.	2.9	6

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73	Organic and inorganic amendments did not affect microbial community composition in the bulk soil differently but did change the relative abundance of selected taxa. European Journal of Soil Science, 2019, 70, 796-806.	3.9	7
74	The chirality of imazethapyr herbicide selectively affects the bacterial community in soybean field soil. Environmental Science and Pollution Research, 2019, 26, 2531-2546.	5.3	11
75	Elevated CO2 alters the rhizosphere effect on crop residue decomposition. Plant and Soil, 2019, 436, 413-426.	3.7	14
76	The shift of bacterial community composition magnifies over time in response to different sources of soybean residues. Applied Soil Ecology, 2019, 136, 163-167.	4.3	15
77	Pentachlorophenol alters the acetate-assimilating microbial community and redox cycling in anoxic soils. Soil Biology and Biochemistry, 2019, 131, 133-140.	8.8	21
78	Impact of elevated CO2 on grain nutrient concentration varies with crops and soils â€“ A long-term FACE study. Science of the Total Environment, 2019, 651, 2641-2647.	8.0	54
79	Residue decomposition and soil carbon priming in three contrasting soils previously exposed to elevated CO2. Biology and Fertility of Soils, 2019, 55, 17-29.	4.3	10
80	Nitrate supply and sulfate-reducing suppression facilitate the removal of pentachlorophenol in a flooded mangrove soil. Environmental Pollution, 2019, 244, 792-800.	7.5	34
81	Novel insight into adsorption and co-adsorption of heavy metal ions and an organic pollutant by magnetic graphene nanomaterials in water. Chemical Engineering Journal, 2019, 358, 1399-1409.	12.7	205
82	Crop responses to subsoil manuring. I. Results in south-western Victoria from 2009 to 2012. Crop and Pasture Science, 2019, 70, 44.	1.5	16
83	Crop responses to subsoil manuring. II. Comparing surface and subsoil manuring in north-eastern Victoria from 2011 to 2012. Crop and Pasture Science, 2019, 70, 318.	1.5	5
84	Absorption of foliar-applied Zn fertilizers by trichomes in soybean and tomato. Journal of Experimental Botany, 2018, 69, 2717-2729.	4.8	80
85	Differences in transport behavior of natural soil colloids of contrasting sizes from nanometer to micron and the environmental implications. Science of the Total Environment, 2018, 634, 802-810.	8.0	39
86	The effects of elevated CO2 and nitrogen availability on rhizosphere priming of soil organic matter under wheat and white lupin. Plant and Soil, 2018, 425, 375-387.	3.7	27
87	Contrasting effects of alkaline amendments on the bioavailability and uptake of Cd in rice plants in a Cd-contaminated acid paddy soil. Environmental Science and Pollution Research, 2018, 25, 8827-8835.	5.3	82
88	The role of rhizosphere pH in regulating the rhizosphere priming effect and implications for the availability of soil-derived nitrogen to plants. Annals of Botany, 2018, 121, 143-151.	2.9	41
89	Remediation of As(III) and Cd(II) co-contamination and its mechanism in aqueous systems by a novel calcium-based magnetic biochar. Journal of Hazardous Materials, 2018, 348, 10-19.	12.4	223
90	Moso bamboo invasion into broadleaf forests is associated with greater abundance and activity of soil autotrophic bacteria. Plant and Soil, 2018, 428, 163-177.	3.7	25

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91	Manganese distribution and speciation help to explain the effects of silicate and phosphate on manganese toxicity in four crop species. New Phytologist, 2018, 217, 1146-1160.	7.3	58
92	Elevated CO2 alters the abundance but not the structure of diazotrophic community in the rhizosphere of soybean grown in a Mollisol. Biology and Fertility of Soils, 2018, 54, 877-881.	4.3	11
93	Time-resolved X-ray fluorescence analysis of element distribution and concentration in living plants: An example using manganese toxicity in cowpea leaves. Environmental and Experimental Botany, 2018, 156, 151-160.	4.2	17
94	Natural variation among Arabidopsis thaliana accessions in tolerance to high magnesium supply. Scientific Reports, 2018, 8, 13640.	3.3	15
95	The impact of elevated CO2 on acid-soil tolerance of hexaploid wheat (Triticum aestivum L.) genotypes varying in organic anion efflux. Plant and Soil, 2018, 428, 401-413.	3.7	8
96	Crop yield responses to surface and subsoil applications of poultry litter and inorganic fertiliser in south-eastern Australia. Crop and Pasture Science, 2018, 69, 303.	1.5	22
97	Sodium chloride decreases cadmium accumulation and changes the response of metabolites to cadmium stress in the halophyte Carpobrotus rossii. Annals of Botany, 2018, 122, 373-385.	2.9	25
98	Competitive Traits Are More Important than Stress-Tolerance Traits in a Cadmium-Contaminated Rhizosphere: A Role for Trait Theory in Microbial Ecology. Frontiers in Microbiology, 2018, 9, 121.	3.5	60
99	Ammonia-Oxidizing Archaea Show More Distinct Biogeographic Distribution Patterns than Ammonia-Oxidizing Bacteria across the Black Soil Zone of Northeast China. Frontiers in Microbiology, 2018, 9, 171.	3.5	51
100	Cadmium reduces zinc uptake but enhances its translocation in the cadmium-accumulator, Carpobrotus rossii, without affecting speciation. Plant and Soil, 2018, 430, 219-231.	3.7	18
101	Converting natural evergreen broadleaf forests to intensively managed moso bamboo plantations affects the pool size and stability of soil organic carbon and enzyme activities. Biology and Fertility of Soils, 2018, 54, 467-480.	4.3	54
102	Interactive effects of initial pH and nitrogen status on soil organic carbon priming by glucose and lignocellulose. Soil Biology and Biochemistry, 2018, 123, 33-44.	8.8	54
103	Elevated CO2 increases the abundance but simplifies networks of soybean rhizosphere fungal community in Mollisol soils. Agriculture, Ecosystems and Environment, 2018, 264, 94-98.	5.3	20
104	Primer selection influences abundance estimates of ammonia oxidizing archaea in coastal marine sediments. Marine Environmental Research, 2018, 140, 90-95.	2.5	6
105	Combined application of biochar and nitrogen fertilizer benefits nitrogen retention in the rhizosphere of soybean by increasing microbial biomass but not altering microbial community structure. Science of the Total Environment, 2018, 640-641, 1221-1230.	8.0	81
106	Fallow associated with autumn-plough favors structure stability and storage of soil organic carbon compared to continuous maize cropping in Mollisols. Plant and Soil, 2017, 416, 27-38.	3.7	16
107	Long-term stabilization of crop residues and soil organic carbon affected by residue quality and initial soil pH. Science of the Total Environment, 2017, 587-588, 502-509.	8.0	50
108	The short-term effects of liming on organic carbon mineralisation in two acidic soils as affected by different rates and application depths of lime. Biology and Fertility of Soils, 2017, 53, 431-443.	4.3	49

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109	The fate of soybean residue-carbon links to changes of bacterial community composition in Mollisols differing in soil organic carbon. Soil Biology and Biochemistry, 2017, 109, 50-58.	8.8	41
110	Effect of soil phosphorus availability and residue quality on phosphorus transfer from crop residues to the following wheat. Plant and Soil, 2017, 416, 361-375.	3.7	19
111	Wheat and white lupin differ in rhizosphere priming of soil organic carbon under elevated CO2. Plant and Soil, 2017, 421, 43-55.	3.7	17
112	Ammonium-based fertilizers enhance Cd accumulation in Carpobrotus rossii grown in two soils differing in pH. Chemosphere, 2017, 188, 689-696.	8.2	42
113	Improving soil nutrient availability increases carbon rhizodeposition under maize and soybean in Mollisols. Science of the Total Environment, 2017, 603-604, 416-424.	8.0	26
114	Long-term impact of elevated CO2 on phosphorus fractions varies in three contrasting cropping soils. Plant and Soil, 2017, 419, 257-267.	3.7	14
115	Residue addition and liming history interactively enhance mineralization of native organic carbon in acid soils. Biology and Fertility of Soils, 2017, 53, 61-75.	4.3	35
116	Ethylene and nitric oxide interact to regulate the magnesium deficiencyâ€induced root hair development in Arabidopsis. New Phytologist, 2017, 213, 1242-1256.	7.3	77
117	Elevated CO2 Increases Nitrogen Fixation at the Reproductive Phase Contributing to Various Yield Responses of Soybean Cultivars. Frontiers in Plant Science, 2017, 8, 1546.	3.6	60
118	Elevated CO2 alters distribution of nodal leaf area and enhances nitrogen uptake contributing to yield increase of soybean cultivars grown in Mollisols. PLoS ONE, 2017, 12, e0176688.	2.5	9
119	Physiological and Transcriptome Responses to Combinations of Elevated CO2 and Magnesium in Arabidopsis thaliana. PLoS ONE, 2016, 11, e0149301.	2.5	19
120	Effect of calcium cyanamide, ammonium bicarbonate and lime mixture and ammonia water on survival of Ralstonia solanacearum and microbial community. Scientific Reports, 2016, 6, 19037.	3.3	13
121	Long-term effect of lime application on the chemical composition of soil organic carbon in acid soils varying in texture and liming history. Biology and Fertility of Soils, 2016, 52, 295-306.	4.3	35
122	Long-term effects of elevated CO2 on carbon and nitrogen functional capacity of microbial communities in three contrasting soils. Soil Biology and Biochemistry, 2016, 97, 157-167.	8.8	65
123	Cadmium uptake by Carpobrotus rossii (Haw.) Schwantes under different saline conditions. Environmental Science and Pollution Research, 2016, 23, 13480-13488.	5.3	35
124	The impact of long-term liming on soil organic carbon and aggregate stability in low-input acid soils. Biology and Fertility of Soils, 2016, 52, 697-709.	4.3	60
125	Elevated CO2 induced rhizosphere effects on the decomposition and N recovery from crop residues. Plant and Soil, 2016, 408, 55-71.	3.7	7
126	Functional Relationships of Soil Acidification, Liming, and Greenhouse Gas Flux. Advances in Agronomy, 2016, 139, 1-71.	5.2	144

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127	Sympodial bamboo species differ in carbon bio-sequestration and stocks within phytoliths of leaf litters and living leaves. Environmental Science and Pollution Research, 2016, 23, 19257-19265.	5.3	9
128	Microbial associated plant growth and heavy metal accumulation toÂimprove phytoextraction of contaminated soils. Soil Biology and Biochemistry, 2016, 103, 131-137.	8.8	94
129	Cadmium accumulation is enhanced by ammonium compared to nitrate in two hyperaccumulators, without affecting speciation. Journal of Experimental Botany, 2016, 67, 5041-5050.	4.8	78
130	Microbial community dynamics in the rhizosphere of a cadmium hyper-accumulator. Scientific Reports, 2016, 6, 36067.	3.3	52
131	The effects of nitrogen form on root morphological and physiological adaptations of maize, white lupin and faba bean under phosphorus deficiency. AoB PLANTS, 2016, 8, .	2.3	17
132	The secondary compost products enhances soil suppressive capacity against bacterial wilt of tomato caused by Ralstonia solanacearum. European Journal of Soil Biology, 2016, 75, 70-78.	3.2	16
133	Rhizosphere priming effect on soil organic carbon decomposition under plant species differing in soil acidification and root exudation. New Phytologist, 2016, 211, 864-873.	7.3	114
134	Effect of aging process on adsorption of diethyl phthalate in soils amended with bamboo biochar. Chemosphere, 2016, 142, 28-34.	8.2	105
135	Influence of nitrogen form on the phytoextraction of cadmium by a newly discovered hyperaccumulator Carpobrotus rossii. Environmental Science and Pollution Research, 2016, 23, 1246-1253.	5.3	43
136	Crop acquisition of phosphorus, iron and zinc from soil in cereal/legume intercropping systems: a critical review. Annals of Botany, 2016, 117, 363-377.	2.9	161
137	Free-air CO₂enrichment (FACE) reduces the inhibitory effect of soil nitrate on N₂fixation ofPisum sativum. Annals of Botany, 2016, 117, 177-185.	2.9	30
138	Microorganisms in heavy metal bioremediation: strategies for applying microbial-community engineering to remediate soils. AIMS Bioengineering, 2016, 3, 211-229.	1.1	38
139	Bioorganic Fertilizer Enhances Soil Suppressive Capacity against Bacterial Wilt of Tomato. PLoS ONE, 2015, 10, e0121304.	2.5	45
140	Synchrotron-based Techniques Shed Light on Mechanisms of Plant Sensitivity and Tolerance to High Manganese in the Root Environment. Plant Physiology, 2015, 169, pp.00726.2015.	4.8	61
141	Plant growth-promoting rhizobacteria enhance the growth and Cd uptake of Sedum plumbizincicola in a Cd-contaminated soil. Journal of Soils and Sediments, 2015, 15, 1191-1199.	3.0	72
142	Silver sulfide nanoparticles (Ag₂S-NPs) are taken up by plants and are phytotoxic. Nanotoxicology, 2015, 9, 1041-1049.	3.0	96
143	Synchrotron-based X-ray absorption near-edge spectroscopy imaging for laterally resolved speciation of selenium in fresh roots and leaves of wheat and rice. Journal of Experimental Botany, 2015, 66, 4795-4806.	4.8	41
144	The impact of elevated carbon dioxide on the phosphorus nutrition of plants: a review. Annals of Botany, 2015, 116, 987-999.	2.9	99

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145	Carbon and nitrogen partitioning of wheat and field pea grown with two nitrogen levels under elevated CO2. Plant and Soil, 2015, 391, 367-382.	3.7	71
146	Phosphorus and magnesium interactively modulate the elongation and directional growth of primary roots in Arabidopsis thaliana (L.) Heynh. Journal of Experimental Botany, 2015, 66, 3841-3854.	4.8	35
147	Succulent species differ substantially in their tolerance and phytoextraction potential when grown in the presence of Cd, Cr, Cu, Mn, Ni, Pb, and Zn. Environmental Science and Pollution Research, 2015, 22, 18824-18838.	5.3	14
148	Factors affecting the measurement of soil <scp>pH</scp> buffer capacity: approaches to optimize the methods. European Journal of Soil Science, 2015, 66, 53-64.	3.9	59
149	Contrasting effects of organic amendments on phytoextraction of heavy metals in a contaminated sediment. Plant and Soil, 2015, 397, 331-345.	3.7	19
150	Phosphorus application and elevated CO2 enhance drought tolerance in field pea grown in a phosphorus-deficient vertisol. Annals of Botany, 2015, 116, 975-985.	2.9	50
151	Increased microbial activity contributes to phosphorus immobilization in the rhizosphere of wheat under elevated CO2. Soil Biology and Biochemistry, 2014, 75, 292-299.	8.8	42
152	Organic anion-to-acid ratio influences pH change of soils differing in initial pH. Journal of Soils and Sediments, 2014, 14, 407-414.	3.0	44
153	Nitrogen form but not elevated CO2 alters plant phosphorus acquisition from sparingly soluble phosphorus sources. Plant and Soil, 2014, 374, 109-119.	3.7	17
154	Magnesium availability regulates the development of root hairs in <scp>A</scp>rabidopsis thaliana (<scp>L</scp>.) <scp>H</scp>eynh. Plant, Cell and Environment, 2014, 37, 2795-2813.	5.7	64
155	Australian native plant species Carpobrotus rossii (Haw.) Schwantes shows the potential of cadmium phytoremediation. Environmental Science and Pollution Research, 2014, 21, 9843-9851.	5.3	33
156	Rhizobacteria (Pseudomonas sp. SB) assist phytoremediation of oily-sludge-contaminated soil by tall fescue (Testuca arundinacea L.). Plant and Soil, 2013, 371, 533-542.	3.7	52
157	Elevated CO2 temporally enhances phosphorus immobilization in the rhizosphere of wheat and chickpea. Plant and Soil, 2013, 368, 315-328.	3.7	38
158	The contribution of crop residues to changes in soil pH under field conditions. Plant and Soil, 2013, 366, 185-198.	3.7	112
159	pH change, carbon and nitrogen mineralization in paddy soils as affected by Chinese milk vetch addition and soil water regime. Journal of Soils and Sediments, 2013, 13, 654-663.	3.0	27
160	Soil organic carbon contributes to alkalinity priming induced by added organic substrates. Soil Biology and Biochemistry, 2013, 65, 217-226.	8.8	16
161	Differences in carbon and nitrogen mineralization in soils of differing initial pH induced by electrokinesis and receiving crop residue amendments. Soil Biology and Biochemistry, 2013, 67, 70-84.	8.8	58
162	Organic acids are not specifically involved in the nitrate-enhanced Zn hyperaccumulation mechanism in Noccaea caerulescens. Environmental and Experimental Botany, 2013, 91, 12-21.	4.2	10

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