

Zhaozhong Feng

List of Publications by Year in descending order

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Version: 2024-02-01

151
papers

8,157
citations

50170

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159
all docs

159
docs citations

159
times ranked

5875
citing authors

#	ARTICLE	IF	CITATIONS
1	Amplified ozone pollution in cities during the COVID-19 lockdown. <i>Science of the Total Environment</i> , 2020, 735, 139542.	3.9	516
2	Impact of elevated ozone concentration on growth, physiology, and yield of wheat (<i>Triticum</i>) Tj ETQq0 0 0 rgBT /Overlock_10 Tf 50 7	4.2	339
3	Assessing the impacts of current and future concentrations of surface ozone on crop yield with meta-analysis. <i>Atmospheric Environment</i> , 2009, 43, 1510-1519.	1.9	286
4	Ground-level O ₃ pollution and its impacts on food crops in China: A review. <i>Environmental Pollution</i> , 2015, 199, 42-48.	3.7	242
5	Tropospheric Ozone Assessment Report: Present-day tropospheric ozone distribution and trends relevant to vegetation. <i>Elementa</i> , 2018, 6, .	1.1	212
6	Economic losses due to ozone impacts on human health, forest productivity and crop yield across China. <i>Environment International</i> , 2019, 131, 104966.	4.8	205
7	Tropospheric ozone assessment report: Global ozone metrics for climate change, human health, and crop/ecosystem research. <i>Elementa</i> , 2018, 6, 1.	1.1	196
8	Addressing China's grand challenge of achieving food security while ensuring environmental sustainability. <i>Science Advances</i> , 2015, 1, e1400039.	4.7	182
9	Ozone affects plant, insect, and soil microbial communities: A threat to terrestrial ecosystems and biodiversity. <i>Science Advances</i> , 2020, 6, eabc1176.	4.7	181
10	Ozone and haze pollution weakens net primary productivity in China. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 6073-6089.	1.9	169
11	Tropospheric Ozone Assessment Report: Present-day ozone distribution and trends relevant to human health. <i>Elementa</i> , 2018, 6, .	1.1	167
12	Ozone pollution will compromise efforts to increase global wheat production. <i>Global Change Biology</i> , 2018, 24, 3560-3574.	4.2	163
13	Closing the global ozone yield gap: Quantification and cobenefits for multistress tolerance. <i>Global Change Biology</i> , 2018, 24, 4869-4893.	4.2	163
14	Differential responses in two varieties of winter wheat to elevated ozone concentration under fully open-air field conditions. <i>Global Change Biology</i> , 2011, 17, 580-591.	4.2	159
15	Costimulation of soil glycosidase activity and soil respiration by nitrogen addition. <i>Global Change Biology</i> , 2017, 23, 1328-1337.	4.2	154
16	Constraints to nitrogen acquisition of terrestrial plants under elevated CO_2 . <i>Global Change Biology</i> , 2015, 21, 3152-3168.	4.2	146
17	Effects of elevated atmospheric CO_2 on physiology and yield of wheat (<i>Triticum aestivum</i> L.): A meta-analytic test of current hypotheses. <i>Agriculture, Ecosystems and Environment</i> , 2013, 178, 57-63.	2.5	145
18	Evidence of widespread ozone-induced visible injury on plants in Beijing, China. <i>Environmental Pollution</i> , 2014, 193, 296-301.	3.7	145

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19	A meta-analysis on growth, physiological, and biochemical responses of woody species to ground-level ozone highlights the role of plant functional types. <i>Plant, Cell and Environment</i> , 2017, 40, 2369-2380.	2.8	141
20	Chlorophyll hormesis: Are chlorophylls major components of stress biology in higher plants?. <i>Science of the Total Environment</i> , 2020, 726, 138637.	3.9	141
21	Effects of elevated ozone concentration on yield of four Chinese cultivars of winter wheat under fully open-air field conditions. <i>Global Change Biology</i> , 2011, 17, 2697-2706.	4.2	116
22	The two faces of nanomaterials: A quantification of hormesis in algae and plants. <i>Environment International</i> , 2019, 131, 105044.	4.8	104
23	Protection of plants from ambient ozone by applications of ethylenediurea (EDU): A meta-analytic review. <i>Environmental Pollution</i> , 2010, 158, 3236-3242.	3.7	95
24	Ozone pollution threatens the production of major staple crops in East Asia. <i>Nature Food</i> , 2022, 3, 47-56.	6.2	93
25	Effects of elevated O ₃ concentration on winter wheat and rice yields in the Yangtze River Delta, China. <i>Environmental Pollution</i> , 2012, 171, 118-125.	3.7	89
26	Ozone effects on wheat grain quality – A summary. <i>Environmental Pollution</i> , 2015, 197, 203-213.	3.7	87
27	A stomatal ozone flux-response relationship to assess ozone-induced yield loss of winter wheat in subtropical China. <i>Environmental Pollution</i> , 2012, 164, 16-23.	3.7	85
28	Nationwide ground-level ozone measurements in China suggest serious risks to forests. <i>Environmental Pollution</i> , 2018, 237, 803-813.	3.7	84
29	Differential effects of ozone on photosynthesis of winter wheat among cultivars depend on antioxidative enzymes rather than stomatal conductance. <i>Science of the Total Environment</i> , 2016, 572, 404-411.	3.9	82
30	Apoplastic ascorbate contributes to the differential ozone sensitivity in two varieties of winter wheat under fully open-air field conditions. <i>Environmental Pollution</i> , 2010, 158, 3539-3545.	3.7	80
31	Responses of native broadleaved woody species to elevated ozone in subtropical China. <i>Environmental Pollution</i> , 2012, 163, 149-157.	3.7	78
32	Water stress mitigates the negative effects of ozone on photosynthesis and biomass in poplar plants. <i>Environmental Pollution</i> , 2017, 230, 268-279.	3.7	73
33	Differences in ozone sensitivity among woody species are related to leaf morphology and antioxidant levels. <i>Tree Physiology</i> , 2016, 36, 1105-1116.	1.4	72
34	Isoprene is more affected by climate drivers than monoterpenes: A meta-analytic review on plant isoprenoid emissions. <i>Plant, Cell and Environment</i> , 2019, 42, 1939-1949.	2.8	72
35	Ozone exposure- and flux-based response relationships with photosynthesis, leaf morphology and biomass in two poplar clones. <i>Science of the Total Environment</i> , 2017, 603-604, 185-195.	3.9	70
36	Assessing the impact of ambient ozone on growth and yield of a rice (<i>Oryza sativa</i> L.) and a wheat (<i>Triticum aestivum</i> L.) cultivar grown in the Yangtze Delta, China, using three rates of application of ethylenediurea (EDU). <i>Environmental Pollution</i> , 2007, 148, 390-395.	3.7	66

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37	Interaction of drought and ozone exposure on isoprene emission from extensively cultivated poplar. <i>Plant, Cell and Environment</i> , 2016, 39, 2276-2287.	2.8	65
38	Spatial-temporal patterns of inorganic nitrogen air concentrations and deposition in eastern China. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 10931-10954.	1.9	65
39	Air pollution monitoring and tree and forest decline in East Asia: A review. <i>Science of the Total Environment</i> , 2020, 742, 140288.	3.9	63
40	Concentration- and flux-based ozone dose-response relationships for five poplar clones grown in North China. <i>Environmental Pollution</i> , 2015, 207, 21-30.	3.7	62
41	A unifying explanation for variation in ozone sensitivity among woody plants. <i>Global Change Biology</i> , 2018, 24, 78-84.	4.2	62
42	Ground-level ozone pollution in China: a synthesis of recent findings on influencing factors and impacts. <i>Environmental Research Letters</i> , 2022, 17, 063003.	2.2	62
43	Atmospheric Nitrogen Emission, Deposition, and Air Quality Impacts in China: an Overview. <i>Current Pollution Reports</i> , 2017, 3, 65-77.	3.1	61
44	Assessing the effects of ambient ozone in China on snap bean genotypes by using ethylenediurea (EDU). <i>Environmental Pollution</i> , 2015, 205, 199-208.	3.7	53
45	Current ambient and elevated ozone effects on poplar: A global meta-analysis and response relationships. <i>Science of the Total Environment</i> , 2019, 654, 832-840.	3.9	53
46	Impact of Elevated O ₃ on Soil Microbial Community Function Under Wheat Crop. <i>Water, Air, and Soil Pollution</i> , 2009, 198, 189-198.	1.1	49
47	Elevated ozone affects C, N and P ecological stoichiometry and nutrient resorption of two poplar clones. <i>Environmental Pollution</i> , 2018, 234, 136-144.	3.7	49
48	Impacts of current ozone pollution on wheat yield in China as estimated with observed ozone, meteorology and day of flowering. <i>Atmospheric Environment</i> , 2019, 217, 116945.	1.9	48
49	Mesophyll conductance limitation of photosynthesis in poplar under elevated ozone. <i>Science of the Total Environment</i> , 2019, 657, 136-145.	3.9	48
50	Crop quality under rising atmospheric CO ₂ . <i>Current Opinion in Plant Biology</i> , 2018, 45, 262-267.	3.5	46
51	Effects of Elevated CO ₂ on Wheat Yield: Non-Linear Response and Relation to Site Productivity. <i>Agronomy</i> , 2019, 9, 243.	1.3	46
52	Impacts of rising tropospheric ozone on photosynthesis and metabolite levels on field grown soybean. <i>Plant Science</i> , 2014, 226, 147-161.	1.7	45
53	Effects of elevated ozone on physiological, anatomical and ultrastructural characteristics of four common urban tree species in China. <i>Ecological Indicators</i> , 2016, 67, 367-379.	2.6	45
54	Differential responses of peach (<i>Prunus persica</i>) seedlings to elevated ozone are related with leaf mass per area, antioxidant enzymes activity rather than stomatal conductance. <i>Environmental Pollution</i> , 2017, 227, 380-388.	3.7	45

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55	Elevated ozone reduced leaf nitrogen allocation to photosynthesis in poplar. <i>Science of the Total Environment</i> , 2019, 657, 169-178.	3.9	44
56	Effects of elevated O ₃ exposure on seed yield, N concentration and photosynthesis of nine soybean cultivars (<i>Glycine max</i> (L.) Merr.) in Northeast China. <i>Plant Science</i> , 2014, 226, 172-181.	1.7	43
57	Determinants of stomatal sluggishness in ozone-exposed deciduous tree species. <i>Science of the Total Environment</i> , 2014, 481, 453-458.	3.9	42
58	Impacts of Surface Ozone Pollution on Global Crop Yields: Comparing Different Ozone Exposure Metrics and Incorporating Co-effects of CO ₂ . <i>Frontiers in Sustainable Food Systems</i> , 2021, 5, .	1.8	42
59	Comparison of crop yield sensitivity to ozone between open-top chamber and free-air experiments. <i>Global Change Biology</i> , 2018, 24, 2231-2238.	4.2	41
60	Vehicle-induced compaction of forest soil affects plant morphological and physiological attributes: A meta-analysis. <i>Forest Ecology and Management</i> , 2020, 462, 118004.	1.4	40
61	Precipitation chemistry and atmospheric nitrogen deposition at a rural site in Beijing, China. <i>Atmospheric Environment</i> , 2020, 223, 117253.	1.9	38
62	Assessment of O ₃ -induced yield and economic losses for wheat in the North China Plain from 2014 to 2017, China. <i>Environmental Pollution</i> , 2020, 258, 113828.	3.7	38
63	High spatial resolution WRF-Chem model over Asia: Physics and chemistry evaluation. <i>Atmospheric Environment</i> , 2021, 244, 118004.	1.9	38
64	Effects of ozone exposure on sub-tropical evergreen <i>Cinnamomum camphora</i> seedlings grown in different nitrogen loads. <i>Trees - Structure and Function</i> , 2011, 25, 617-625.	0.9	36
65	Effects of climate change, CO ₂ and O ₃ on wheat productivity in Eastern China, singly and in combination. <i>Atmospheric Environment</i> , 2017, 153, 182-193.	1.9	36
66	Difference in soil bacterial community composition depends on forest type rather than nitrogen and phosphorus additions in tropical montane rainforests. <i>Biology and Fertility of Soils</i> , 2019, 55, 313-323.	2.3	36
67	A quantitative assessment of hormetic responses of plants to ozone. <i>Environmental Research</i> , 2019, 176, 108527.	3.7	35
68	Ozone exposure- and flux-yield response relationships for maize. <i>Environmental Pollution</i> , 2019, 252, 1-7.	3.7	35
69	Ozone will remain a threat for plants independently of nitrogen load. <i>Functional Ecology</i> , 2019, 33, 1854-1870.	1.7	33
70	Emerging challenges of ozone impacts on asian plants: actions are needed to protect ecosystem health. <i>Ecosystem Health and Sustainability</i> , 2021, 7, .	1.5	32
71	Interactive effects of ozone exposure and nitrogen addition on the rhizosphere bacterial community of poplar saplings. <i>Science of the Total Environment</i> , 2021, 754, 142134.	3.9	31
72	Ozone modelling and mapping for risk assessment: An overview of different approaches for human and ecosystems health. <i>Environmental Research</i> , 2022, 211, 113048.	3.7	31

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73	Strategic roadmap to assess forest vulnerability under air pollution and climate change. <i>Global Change Biology</i> , 2022, 28, 5062-5085.	4.2	31
74	Effects of elevated ozone on growth and yield of field-grown rice in Yangtze River Delta, China. <i>Journal of Environmental Sciences</i> , 2008, 20, 320-325.	3.2	30
75	The effects of elevated ozone on the accumulation and allocation of poplar biomass depend strongly on water and nitrogen availability. <i>Science of the Total Environment</i> , 2019, 665, 929-936.	3.9	29
76	Exogenous application of melatonin to plants, algae, and harvested products to sustain agricultural productivity and enhance nutritional and nutraceutical value: A meta-analysis. <i>Environmental Research</i> , 2021, 200, 111746.	3.7	29
77	Concentration- and flux-based dose-response of isoprene emission from poplar leaves and plants exposed to an ozone concentration gradient. <i>Plant, Cell and Environment</i> , 2017, 40, 1960-1971.	2.8	27
78	Large variability in ambient ozone sensitivity across 19 ethylenediurea-treated Chinese cultivars of soybean is driven by total ascorbate. <i>Journal of Environmental Sciences</i> , 2018, 64, 10-22.	3.2	26
79	Effects of elevated ozone and water deficit on poplar saplings: Changes in carbon and nitrogen stocks and their allocation to different organs. <i>Forest Ecology and Management</i> , 2019, 441, 89-98.	1.4	26
80	Interactive effects of ozone exposure and nitrogen addition on tree root traits and biomass allocation pattern: An experimental case study and a literature meta-analysis. <i>Science of the Total Environment</i> , 2020, 710, 136379.	3.9	26
81	Yield and economic losses in maize caused by ambient ozone in the North China Plain (2014-2017). <i>Science of the Total Environment</i> , 2020, 722, 137958.	3.9	26
82	Yield and economic losses of winter wheat and rice due to ozone in the Yangtze River Delta during 2014-2019. <i>Science of the Total Environment</i> , 2020, 745, 140847.	3.9	26
83	Ozone and plants. <i>Environmental Pollution</i> , 2015, 202, 215-216.	3.7	25
84	Quantification of ozone exposure- and stomatal uptake-yield response relationships for soybean in Northeast China. <i>Science of the Total Environment</i> , 2017, 599-600, 710-720.	3.9	25
85	Elevated ozone negatively affects photosynthesis of current-year leaves but not previous-year leaves in evergreen <i>Cyclobalanopsis glauca</i> seedlings. <i>Environmental Pollution</i> , 2014, 184, 676-681.	3.7	24
86	Impacts of elevated ozone on growth and photosynthesis of <i>Metasequoia glyptostroboides</i> Hu et Cheng. <i>Plant Science</i> , 2014, 226, 182-188.	1.7	24
87	Effects of ozone on maize (<i>Zea mays</i> L.) photosynthetic physiology, biomass and yield components based on exposure- and flux-response relationships. <i>Environmental Pollution</i> , 2020, 256, 113466.	3.7	23
88	High spatial resolution ozone risk-assessment for Asian forests. <i>Environmental Research Letters</i> , 2020, 15, 104095.	2.2	23
89	Ethylenediurea offers moderate protection against ozone-induced rice yield loss under high ozone pollution. <i>Science of the Total Environment</i> , 2022, 806, 151341.	3.9	23
90	Arbuscular mycorrhizal fungi alter the response of growth and nutrient uptake of snap bean (<i>Phaseolus vulgaris</i> L.) to O ₃ . <i>Journal of Environmental Sciences</i> , 2011, 23, 968-974.	3.2	20

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91	Intraspecific variation in sensitivity of winter wheat (<i>Triticum aestivum</i> L.) to ambient ozone in northern China as assessed by ethylenediurea (EDU). <i>Environmental Science and Pollution Research</i> , 2018, 25, 29208-29218.	2.7	20
92	Diurnal variation of apoplastic ascorbate in winter wheat leaves in relation to ozone detoxification. <i>Environmental Pollution</i> , 2015, 207, 413-419.	3.7	19
93	No significant interactions between nitrogen stimulation and ozone inhibition of isoprene emission in Cathay poplar. <i>Science of the Total Environment</i> , 2017, 601-602, 222-229.	3.9	19
94	Molecular response of poplar to single and combined ozone and drought. <i>Science of the Total Environment</i> , 2019, 655, 1364-1375.	3.9	19
95	The ozone sensitivity of five poplar clones is not related to stomatal conductance, constitutive antioxidant levels and morphology of leaves. <i>Science of the Total Environment</i> , 2020, 699, 134402.	3.9	19
96	Challenges, gaps and opportunities in investigating the interactions of ozone pollution and plant ecosystems. <i>Science of the Total Environment</i> , 2020, 709, 136188.	3.9	19
97	Inconsistency of mesophyll conductance estimate causes the inconsistency for the estimates of maximum rate of Rubisco carboxylation among the linear, rectangular and non-rectangular hyperbola biochemical models of leaf photosynthesis: A case study of CO ₂ enrichment and leaf aging effects in soybean. <i>Plant Science</i> , 2014, 226, 49-60.	1.7	18
98	Relationships of CO ₂ assimilation rates with exposure- and flux-based O ₃ metrics in three urban tree species. <i>Science of the Total Environment</i> , 2018, 613-614, 233-239.	3.9	18
99	Ozone exposure- and flux-based response relationships with photosynthesis of winter wheat under fully open air condition. <i>Science of the Total Environment</i> , 2018, 619-620, 1538-1544.	3.9	18
100	Review of Chinese atmospheric science research over the past 70 years: Atmospheric physics and atmospheric environment. <i>Science China Earth Sciences</i> , 2019, 62, 1903-1945.	2.3	18
101	Quantifying determinants of ozone detoxification by apoplastic ascorbate in peach (<i>Prunus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 3147-3162.	4.2	18
102	Harvest index and remobilization of 13 elements during wheat grain filling: Experiences from ozone experiments in China and Sweden. <i>Field Crops Research</i> , 2021, 271, 108259.	2.3	18
103	Modelling photosynthesis in flag leaves of winter wheat (<i>Triticum aestivum</i>) considering the variation in photosynthesis parameters during development. <i>Functional Plant Biology</i> , 2015, 42, 1036.	1.1	17
104	Moderate drought did not affect the effectiveness of ethylenediurea (EDU) in protecting <i>Populus cathayana</i> from ambient ozone. <i>Science of the Total Environment</i> , 2016, 569-570, 1536-1544.	3.9	17
105	Modeling the joint impacts of ozone and aerosols on crop yields in China: An air pollution policy scenario analysis. <i>Atmospheric Environment</i> , 2021, 247, 118216.	1.9	17
106	Nonlinear responses of foliar phenylpropanoids to increasing O ₃ exposure: Ecological implications in a <i>Populus</i> model system. <i>Science of the Total Environment</i> , 2021, 767, 144358.	3.9	17
107	Systemic Herbicide 2,4-Dichlorophenoxyacetic Acid Is Another Hormetin: What Does It Mean for Agriculture and the Environment?. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 9695-9696.	2.4	16
108	Increase of apoplastic ascorbate induced by ozone is insufficient to remove the negative effects in tobacco, soybean and poplar. <i>Environmental Pollution</i> , 2019, 245, 380-388.	3.7	16

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109	Ethylenediurea (EDU) protects inbred but not hybrid cultivars of rice from yield losses due to surface ozone. <i>Environmental Science and Pollution Research</i> , 2021, 28, 68946-68956.	2.7	16
110	Effect of elevated ozone, nitrogen availability and mesophyll conductance on the temperature responses of leaf photosynthetic parameters in poplar. <i>Tree Physiology</i> , 2020, 40, 484-497.	1.4	15
111	Biogenic volatile organic compound emissions from leaves and fruits of apple and peach trees during fruit development. <i>Journal of Environmental Sciences</i> , 2021, 108, 152-163.	3.2	14
112	Impact of ozone pollution on nitrogen fertilization management during maize (<i>Zea mays</i> L.) production. <i>Environmental Pollution</i> , 2020, 266, 115158.	3.7	13
113	A meta-analysis of responses of wheat yield formation to elevated ozone concentration. <i>Science Bulletin</i> , 2009, 54, 249-255.	4.3	12
114	High nitrogen addition decreases the ozone flux by reducing the maximum stomatal conductance in poplar saplings. <i>Environmental Pollution</i> , 2021, 272, 115979.	3.7	12
115	Evaluation of simulated ozone effects in forest ecosystems against biomass damage estimates from fumigation experiments. <i>Biogeosciences</i> , 2018, 15, 6941-6957.	1.3	11
116	Water stress rather than N addition mitigates impacts of elevated O ₃ on foliar chemical profiles in poplar saplings. <i>Science of the Total Environment</i> , 2020, 707, 135935.	3.9	11
117	Large methane emission from freshwater aquaculture ponds revealed by long-term eddy covariance observation. <i>Agricultural and Forest Meteorology</i> , 2021, 308-309, 108600.	1.9	11
118	Non-Stomatal Limitation to Photosynthesis in <i>Cinnamomum camphora</i> Seedlings Exposed to Elevated O ₃ . <i>PLoS ONE</i> , 2014, 9, e98572.	1.1	11
119	Effects of elevated ozone concentration and nitrogen addition on ammonia stomatal compensation point in a poplar clone. <i>Environmental Pollution</i> , 2018, 238, 760-770.	3.7	10
120	Response of isoprene emission from poplar saplings to ozone pollution and nitrogen deposition depends on leaf position along the vertical canopy profile. <i>Environmental Pollution</i> , 2020, 265, 114909.	3.7	10
121	Pathway dependence of ecosystem responses in China to 1.5°C global warming. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 2353-2366.	1.9	9
122	Limited water availability did not protect poplar saplings from water use efficiency reduction under elevated ozone. <i>Forest Ecology and Management</i> , 2020, 462, 117999.	1.4	9
123	Analysing the spatiotemporal characteristics of climate comfort in China based on 2005–2018 MODIS data. <i>Theoretical and Applied Climatology</i> , 2021, 143, 1235-1249.	1.3	9
124	Reduced photosynthetic thermal acclimation capacity under elevated ozone in poplar (<i>Populus</i>)	4.2	9
125	Effects of elevated ozone on maize under varying soil nitrogen levels: Biomass, nitrogen and carbon, and their allocation to kernel. <i>Science of the Total Environment</i> , 2021, 765, 144332.	3.9	9
126	Effects of elevated ozone on the emission of volatile isoprenoids from flowers and leaves of rose (<i>Rosa</i> sp.) varieties. <i>Environmental Pollution</i> , 2021, 291, 118141.	3.7	9

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127	Air pollution affects food security in China: taking ozone as an example. <i>Frontiers of Agricultural Science and Engineering</i> , 2015, 2, 152.	0.9	9
128	Changes of Atmospheric CO ₂ in the Tibetan Plateau From 1994 to 2019. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD035299.	1.2	9
129	Soil pH drives poplar rhizosphere soil microbial community responses to ozone pollution and nitrogen addition. <i>European Journal of Soil Science</i> , 2022, 73, .	1.8	9
130	Legislative and functional aspects of different metrics used for ozone risk assessment to forests. <i>Environmental Pollution</i> , 2022, 295, 118690.	3.7	9
131	Impact of elevated O ₃ on visible foliar symptom, growth and biomass of <i>Cinnamomum camphora</i> seedlings under different nitrogen loads. <i>Journal of Environmental Monitoring</i> , 2011, 13, 2873.	2.1	8
132	Study on CO data filtering approaches based on observations at two background stations in China. <i>Science of the Total Environment</i> , 2019, 691, 675-684.	3.9	8
133	Combining carbon and oxygen isotopic signatures to identify ozone-induced declines in tree water-use efficiency. <i>Tree Physiology</i> , 2021, 41, 2234-2244.	1.4	8
134	Novel ozone flux metrics incorporating the detoxification process in the apoplast: An application to Chinese winter wheat. <i>Science of the Total Environment</i> , 2021, 767, 144588.	3.9	8
135	Ozone exposure, nitrogen addition and moderate drought dynamically interact to affect isoprene emission in poplar. <i>Science of the Total Environment</i> , 2020, 734, 139368.	3.9	7
136	Functional traits of poplar leaves and fine roots responses to ozone pollution under soil nitrogen addition. <i>Journal of Environmental Sciences</i> , 2022, 113, 118-131.	3.2	7
137	Whole-plant compensatory responses of isoprene emission from hybrid poplar seedlings exposed to elevated ozone. <i>Science of the Total Environment</i> , 2022, 806, 150949.	3.9	7
138	Elevated ozone decreases the activity of Rubisco in poplar but not its activation under fluctuating light. <i>Tree Physiology</i> , 2022, 42, 1762-1775.	1.4	7
139	Stomatal response drives between-species difference in predicted leaf water-use efficiency under elevated ozone. <i>Environmental Pollution</i> , 2021, 269, 116137.	3.7	6
140	Ozone does not diminish the beneficial effects of arbuscular mycorrhizas on <i>Medicago sativa</i> L. in a low phosphorus soil. <i>Mycorrhiza</i> , 2022, 32, 33-43.	1.3	6
141	Effects of Ozone on Crops in China. , 2017, , 175-194.		4
142	Editorial: Interactions Between Ozone Pollution and Forest Ecosystems. <i>Frontiers in Forests and Global Change</i> , 2021, 3, .	1.0	4
143	Uptake of nitrogen forms by diploid and triploid white poplar depends on seasonal carbon use strategy and elevated summer ozone. <i>Journal of Experimental Botany</i> , 2021, 72, 7180-7190.	2.4	4
144	Effects of elevated ozone and nitrogen addition on leaf nitrogen metabolism in poplar. <i>Journal of Plant Ecology</i> , 2021, 14, 555-568.	1.2	3

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145	Effects of elevated ozone on bacterial communities inhabiting the phyllo- and endo-spheres of rice plants. <i>Science of the Total Environment</i> , 2022, 830, 154705.	3.9	3
146	Joint impacts of ozone pollution and climate change on yields of Chinese winter wheat. <i>Atmospheric Pollution Research</i> , 2022, 13, 101509.	1.8	3
147	Effects of Ozone on Chinese Trees. , 2017, , 195-219.		2
148	Elevated ozone inhibits isoprene emission of a diploid and a triploid genotype of <i>Populus tomentosa</i> by different mechanisms. <i>Journal of Experimental Botany</i> , 2022, 73, 6449-6462.	2.4	2
149	Performances of a system for free-air ozone concentration elevation with poplar plantation under increased nitrogen deposition. <i>Environmental Science and Pollution Research</i> , 2021, 28, 58298-58309.	2.7	1
150	Effects of Ozone on Forests. , 2022, , 1-28.		1
151	Contribution of Atmospheric Reactive Nitrogen to Ozone Pollution in China. , 2020, , 135-154.		0