

Evgenios Agathokleous

List of Publications by Year in descending order

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Version: 2024-02-01

177
papers

5,470
citations

101384

36
h-index

114278

63
g-index

181
all docs

181
docs citations

181
times ranked

3805
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	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
3	Urban population exposure to air pollution in Europe over the last decades. <i>Environmental Sciences Europe</i> , 2021, 33, 28.	2.6	148
4	Hormesis: A Compelling Platform for Sophisticated Plant Science. <i>Trends in Plant Science</i> , 2019, 24, 318-327.	4.3	145
5	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
6	Hormesis: Highly Generalizable and Beyond Laboratory. <i>Trends in Plant Science</i> , 2020, 25, 1076-1086.	4.3	128
7	Should we see urban trees as effective solutions to reduce increasing ozone levels in cities?. <i>Environmental Pollution</i> , 2018, 243, 163-176.	3.7	119
8	Environmental hormesis, a fundamental non-monotonic biological phenomenon with implications in ecotoxicology and environmental safety. <i>Ecotoxicology and Environmental Safety</i> , 2018, 148, 1042-1053.	2.9	117
9	The two faces of nanomaterials: A quantification of hormesis in algae and plants. <i>Environment International</i> , 2019, 131, 105044.	4.8	104
10	Hormesis: The dose response for the 21st century: The future has arrived. <i>Toxicology</i> , 2019, 425, 152249.	2.0	103
11	Estimating the range of the maximum hormetic stimulatory response. <i>Environmental Research</i> , 2019, 170, 337-343.	3.7	102
12	Predicting the effect of ozone on vegetation via linear non-threshold (LNT), threshold and hormetic dose-response models. <i>Science of the Total Environment</i> , 2019, 649, 61-74.	3.9	97
13	A global environmental health perspective and optimisation of stress. <i>Science of the Total Environment</i> , 2020, 704, 135263.	3.9	97
14	Micro/nanoplastics effects on organisms: A review focusing on "dose". <i>Journal of Hazardous Materials</i> , 2021, 417, 126084.	6.5	96
15	Ozone weekend effect in cities: Deep insights for urban air pollution control. <i>Environmental Research</i> , 2020, 191, 110193.	3.7	95
16	Ozone pollution threatens the production of major staple crops in East Asia. <i>Nature Food</i> , 2022, 3, 47-56.	6.2	93
17	Does the root to shoot ratio show a hormetic response to stress? An ecological and environmental perspective. <i>Journal of Forestry Research</i> , 2019, 30, 1569-1580.	1.7	82
18	Hormetic dose responses induced by lanthanum in plants. <i>Environmental Pollution</i> , 2019, 244, 332-341.	3.7	81

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19	Human and veterinary antibiotics induce hormesis in plants: Scientific and regulatory issues and an environmental perspective. <i>Environment International</i> , 2018, 120, 489-495.	4.8	78
20	A Review Study on Past 40 Years of Research on Effects of Tropospheric O ₃ on Belowground Structure, Functioning, and Processes of Trees: a Linkage with Potential Ecological Implications. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	75
21	Environmental hormesis and its fundamental biological basis: Rewriting the history of toxicology. <i>Environmental Research</i> , 2018, 165, 274-278.	3.7	73
22	The rare earth element (REE) lanthanum (La) induces hormesis in plants. <i>Environmental Pollution</i> , 2018, 238, 1044-1047.	3.7	71
23	Ecological risks in a "plastic" world: A threat to biological diversity?. <i>Journal of Hazardous Materials</i> , 2021, 417, 126035.	6.5	68
24	Hormetic effects of zinc on growth and antioxidant defense system of wheat plants. <i>Science of the Total Environment</i> , 2022, 807, 150992.	3.9	59
25	Perspectives for elucidating the ethylenediurea (EDU) mode of action for protection against O ₃ phytotoxicity. <i>Ecotoxicology and Environmental Safety</i> , 2017, 142, 530-537.	2.9	54
26	Nano-pesticides: A great challenge for biodiversity? The need for a broader perspective. <i>Nano Today</i> , 2020, 30, 100808.	6.2	53
27	Tropospheric O ₃ , the nightmare of wild plants: a review study. <i>J Agricultural Meteorology</i> , 2015, 71, 142-152.	0.8	50
28	Hormetic dose responses induced by antibiotics in bacteria: A phantom menace to be thoroughly evaluated to address the environmental risk and tackle the antibiotic resistance phenomenon. <i>Science of the Total Environment</i> , 2021, 798, 149255.	3.9	49
29	Hormesis can enhance agricultural sustainability in a changing world. <i>Global Food Security</i> , 2019, 20, 150-155.	4.0	47
30	Screening of Bangladeshi winter wheat (<i>Triticum aestivum</i> L.) cultivars for sensitivity to ozone. <i>Environmental Science and Pollution Research</i> , 2014, 21, 13560-13571.	2.7	43
31	Temperature-induced hormesis in plants. <i>Journal of Forestry Research</i> , 2019, 30, 13-20.	1.7	42
32	Ethylene-di-urea (EDU), an effective phytoprotectant against O ₃ ; deleterious effects and a valuable research tool. <i>J Agricultural Meteorology</i> , 2015, 71, 185-195.	0.8	40
33	New insights into the role of melatonin in plants and animals. <i>Chemico-Biological Interactions</i> , 2019, 299, 163-167.	1.7	40
34	The rise and fall of photosynthesis: hormetic dose response in plants. <i>Journal of Forestry Research</i> , 2021, 32, 889-898.	1.7	40
35	Accumulator plants and hormesis. <i>Environmental Pollution</i> , 2021, 274, 116526.	3.7	39
36	The first toxicological study of the antiozonant and research tool ethylene diurea (EDU) using a <i>Lemna minor</i> L. bioassay: Hints to its mode of action. <i>Environmental Pollution</i> , 2016, 213, 996-1006.	3.7	37

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37	A Review Study on Ozone Phytotoxicity Metrics for Setting Critical Levels in Asia. <i>Asian Journal of Atmospheric Environment</i> , 2018, 12, 1-16.	0.4	37
38	Olive Oil for Dressing Plant Leaves so as to Avoid O ₃ Injury. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	35
39	A quantitative assessment of hormetic responses of plants to ozone. <i>Environmental Research</i> , 2019, 176, 108527.	3.7	35
40	Does Green Tea Induce Hormesis?. <i>Dose-Response</i> , 2020, 18, 155932582093617.	0.7	34
41	Ozone will remain a threat for plants independently of nitrogen load. <i>Functional Ecology</i> , 2019, 33, 1854-1870.	1.7	33
42	Hormesis induced by silver iodide, hydrocarbons, microplastics, pesticides, and pharmaceuticals: Implications for agroforestry ecosystems health. <i>Science of the Total Environment</i> , 2022, 820, 153116.	3.9	33
43	Screening agrochemicals as potential protectants of plants against ozone phytotoxicity. <i>Environmental Pollution</i> , 2015, 197, 247-255.	3.7	32
44	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
45	Agronomic Practices to Increase the Yield and Quality of Common Bean (<i>Phaseolus vulgaris</i> L.): A Systematic Review. <i>Agronomy</i> , 2022, 12, 271.	1.3	32
46	Effects of CO ₂ and O ₃ on the interaction between root of woody plants and ectomycorrhizae. <i>J Agricultural Meteorology</i> , 2016, 72, 95-105.	0.8	31
47	Trends and inter-relationships of ground-level ozone metrics and forest health in Lithuania. <i>Science of the Total Environment</i> , 2019, 658, 1265-1277.	3.9	31
48	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
49	Strategic roadmap to assess forest vulnerability under air pollution and climate change. <i>Global Change Biology</i> , 2022, 28, 5062-5085.	4.2	31
50	Commentary: EPA's proposed expansion of dose-response analysis is a positive step towards improving its ecological risk assessment. <i>Environmental Pollution</i> , 2019, 246, 566-570.	3.7	30
51	Environmental toxicology and ecotoxicology: How clean is clean? Rethinking dose-response analysis. <i>Science of the Total Environment</i> , 2020, 746, 138769.	3.9	30
52	Behavioral impacts of a mixture of six pesticides on rats. <i>Science of the Total Environment</i> , 2020, 727, 138491.	3.9	30
53	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
54	Ecophysiology of deciduous trees native to Northeast Asia grown under FACE (Free Air) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50,62 Td (CO	0.8	28

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55	Growth and photosynthetic response of two larches exposed to O ₃ mixing ratios ranging from preindustrial to near future. <i>Photosynthetica</i> , 2018, 56, 901-910.	0.9	28
56	Ferulic acid and hormesis: Biomedical and environmental implications. <i>Mechanisms of Ageing and Development</i> , 2021, 198, 111544.	2.2	28
57	A gift from parent to offspring: transgenerational hormesis. <i>Trends in Plant Science</i> , 2021, 26, 1098-1100.	4.3	28
58	High doses of ethylene diurea (EDU) are not toxic to willow and act as nitrogen fertilizer. <i>Science of the Total Environment</i> , 2016, 566-567, 841-850.	3.9	27
59	Building Biological Shields via Hormesis. <i>Trends in Pharmacological Sciences</i> , 2019, 40, 8-10.	4.0	27
60	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
61	Theodosius Dobzhansky's view on biology and evolution v.2.0: "Nothing in biology makes sense except in light of evolution and evolution's dependence on hormesis-mediated acquired resilience that optimizes biological performance and numerous diverse short and longer term protective strategies". <i>Environmental Research</i> , 2020, 186, 109559.	3.7	26
62	Ozone disrupts the communication between plants and insects in urban and suburban areas: an updated insight on plant volatiles. <i>Journal of Forestry Research</i> , 2021, 32, 1337-1349.	1.7	26
63	Hydrocarbon-induced hormesis: 101 years of evidence at the margin?. <i>Environmental Pollution</i> , 2020, 265, 114846.	3.7	25
64	Stem and crown growth of Japanese larch and its hybrid F1 grown in two soils and exposed to two free-air O ₃ regimes. <i>Environmental Science and Pollution Research</i> , 2017, 24, 6634-6647.	2.7	24
65	Emission of volatile organic compounds from plants shows a biphasic pattern within an hormetic context. <i>Environmental Pollution</i> , 2018, 239, 318-321.	3.7	24
66	Ozone-induced impairment of night-time stomatal closure in O ₃ -sensitive poplar clone is affected by nitrogen but not by phosphorus enrichment. <i>Science of the Total Environment</i> , 2019, 692, 713-722.	3.9	24
67	Measurement and modeling of hormesis in soil bacteria and fungi under single and combined treatments of Cd and Pb. <i>Science of the Total Environment</i> , 2021, 783, 147494.	3.9	24
68	Hormesis: A General Biological Principle. <i>Chemical Research in Toxicology</i> , 2022, 35, 547-549.	1.7	24
69	Hormesis: Transforming disciplines that rely on the dose response. <i>IUBMB Life</i> , 2022, 74, 8-23.	1.5	23
70	Luteolin and hormesis. <i>Mechanisms of Ageing and Development</i> , 2021, 199, 111559.	2.2	23
71	Ethylendiurea 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
72	The relevance of hormesis at higher levels of biological organization: Hormesis in microorganisms. <i>Current Opinion in Toxicology</i> , 2022, 29, 1-9.	2.6	23

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73	Impacts of ethylenediurea (EDU) soil drench and foliar spray in <i>Salix sachalinensis</i> protection against O ₃ -induced injury. <i>Science of the Total Environment</i> , 2016, 573, 1053-1062.	3.9	22
74	Plant susceptibility to ozone: A tower of Babel?. <i>Science of the Total Environment</i> , 2020, 703, 134962.	3.9	22
75	Evaluation of Di-1-p-Menthene as Antiozonant on Bel-W3 Tobacco Plants, as Compared with Ethylenediurea. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	1.1	21
76	Effects of ozone (O ₃) and ethylenediurea (EDU) on the ecological stoichiometry of a willow grown in a free-air exposure system. <i>Environmental Pollution</i> , 2018, 238, 663-676.	3.7	21
77	Cd induced biphasic response in soil alkaline phosphatase and changed soil bacterial community composition: The role of background Cd contamination and time as additional factors. <i>Science of the Total Environment</i> , 2021, 757, 143771.	3.9	21
78	Ozone alters the feeding behavior of the leaf beetle <i>Agelastica coerulea</i> (Coleoptera: Chrysomelidae) into leaves of Japanese white birch (<i>Betula platyphylla</i> var. <i>japonica</i>). <i>Environmental Science and Pollution Research</i> , 2017, 24, 17577-17583.	2.7	20
79	Canopy nitrogen distribution is optimized to prevent photoinhibition throughout the canopy during sun flecks. <i>Scientific Reports</i> , 2018, 8, 503.	1.6	20
80	On the Nonmonotonic, Hormetic Photoprotective Response of Plants to Stress. <i>Dose-Response</i> , 2019, 17, 155932581983842.	0.7	20
81	Disinfectant-induced hormesis: An unknown environmental threat of the application of disinfectants to prevent SARS-CoV-2 infection during the COVID-19 pandemic?. <i>Environmental Pollution</i> , 2022, 292, 118429.	3.7	20
82	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
83	Integrated assessment of ambient ozone phytotoxicity in Greece's Tripolis Plateau. <i>J Agricultural Meteorology</i> , 2015, 71, 55-64.	0.8	18
84	Effects of simulated nitrogen deposition on ectomycorrhizae community structure in hybrid larch and its parents grown in volcanic ash soil: The role of phosphorous. <i>Science of the Total Environment</i> , 2018, 618, 905-915.	3.9	17
85	Stress response and population dynamics: Is Allee effect hormesis?. <i>Science of the Total Environment</i> , 2019, 682, 623-628.	3.9	17
86	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
87	Modeling daily global solar radiation using only temperature data: Past, development, and future. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 163, 112511.	8.2	17
88	Foliar chemical composition of two oak species grown in a free-air enrichment system with elevated O ₃ and CO ₂ . <i>J Agricultural Meteorology</i> , 2016, 72, 50-58.	0.8	16
89	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
90	Biphasic effect of abscisic acid on plants: an hormetic viewpoint. <i>Botany</i> , 2018, 96, 637-642.	0.5	15

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91	Ethylenediurea (EDU) effects on Japanese larch: an one growing season experiment with simulated regenerating communities and a four growing season application to individual saplings. <i>Journal of Forestry Research</i> , 2021, 32, 2047-2057.	1.7	15
92	Formaldehyde: Another hormesis-inducing chemical. <i>Environmental Research</i> , 2021, 199, 111395.	3.7	15
93	Forest management required for consistent carbon sink in China's forest plantations. <i>Forest Ecosystems</i> , 2021, 8, .	1.3	15
94	Metformin-enhances resilience via hormesis. <i>Ageing Research Reviews</i> , 2021, 71, 101418.	5.0	15
95	Ethylenediurea (EDU) spray effects on willows (<i>Salix sachalinensis</i> F. Schmid) grown in ambient or ozone-enriched air: implications for renewable biomass production. <i>Journal of Forestry Research</i> , 2022, 33, 397-422.	1.7	15
96	Application and further characterization of the snap bean S156/R123 ozone biomonitoring system in relation to ambient air temperature. <i>Science of the Total Environment</i> , 2017, 580, 1046-1055.	3.9	14
97	Effects of major vein blockage and aquaporin inhibition on leaf hydraulics and stomatal conductance. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20190799.	1.2	14
98	Effects of ozone and ammonium sulfate on cauliflower: Emphasis on the interaction between plants and insect herbivores. <i>Science of the Total Environment</i> , 2019, 659, 995-1007.	3.9	14
99	Does Ozone Alter the Attractiveness of Japanese White Birch Leaves to the Leaf Beetle <i>Agelastica coerulea</i> via Changes in Biogenic Volatile Organic Compounds (BVOCs): An Examination with the Y-Tube Test. <i>Forests</i> , 2020, 11, 58.	0.9	14
100	Impacts of forest management intensity on carbon accumulation of China's forest plantations. <i>Forest Ecology and Management</i> , 2020, 472, 118252.	1.4	14
101	Fungicide-Induced Hormesis in Phytopathogenic Fungi: A Critical Determinant of Successful Agriculture and Environmental Sustainability. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 4561-4563.	2.4	14
102	Mastering the scientific peer review process: tips for young authors from a young senior editor. <i>Journal of Forestry Research</i> , 2022, 33, 1-20.	1.7	14
103	Springtime photoinhibition constrains regeneration of forest floor seedlings of <i>Abies sachalinensis</i> after a removal of canopy trees during winter. <i>Scientific Reports</i> , 2018, 8, 6310.	1.6	13
104	Ethylenediurea Induces Hormesis in Plants. <i>Dose-Response</i> , 2018, 16, 155932581876528.	0.7	13
105	Developing Ozone Risk Assessment for Larch Species. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	1.0	13
106	Pollen biology and hormesis: Pollen germination and pollen tube elongation. <i>Science of the Total Environment</i> , 2021, 762, 143072.	3.9	13
107	The role of bacterial communities in shaping Cd-induced hormesis in "living" soil as a function of land-use change. <i>Journal of Hazardous Materials</i> , 2021, 409, 124996.	6.5	13
108	The hormetic response of heart rate of fish embryos to contaminants " Implications for research and policy. <i>Science of the Total Environment</i> , 2022, 815, 152911.	3.9	13

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109	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
110	Human dental pulp stem cells and hormesis. <i>Ageing Research Reviews</i> , 2022, 73, 101540.	5.0	12
111	Biochar application improves karstic lime soil physicochemical properties and enzymes activity and enhances sweet tea seedlings physiological performance. <i>Science of the Total Environment</i> , 2022, 830, 154815.	3.9	12
112	Growth and nutrition of <i>Agelastica coerulea</i> (Coleoptera: Chrysomelidae) larvae changed when fed with leaves obtained from an O ₃ -enriched atmosphere. <i>Environmental Science and Pollution Research</i> , 2018, 25, 13186-13194.	2.7	11
113	Re-analysis of herbal extracts data reveals that inflammatory processes are mediated by hormetic mechanisms. <i>Chemico-Biological Interactions</i> , 2019, 314, 108844.	1.7	11
114	Leaf defense capacity of Japanese elm (<i>Ulmus davidiana</i> var. <i>japonica</i>) seedlings subjected to a nitrogen loading and insect herbivore dynamics in a free air ozone-enriched environment. <i>Environmental Science and Pollution Research</i> , 2020, 27, 3350-3360.	2.7	11
115	Exogenous application of chemicals for protecting plants against ambient ozone pollution: What should come next?. <i>Current Opinion in Environmental Science and Health</i> , 2021, 19, 100215.	2.1	11
116	Smoke-water commonly induces hormetic dose responses in plants. <i>Science of the Total Environment</i> , 2021, 765, 142776.	3.9	11
117	US EPA: Is there room to open a new window for evaluating potential sub-threshold effects and ecological risks?. <i>Environmental Pollution</i> , 2021, 284, 117372.	3.7	11
118	Ozone biomonitoring: A versatile tool for science, education and regulation. <i>Current Opinion in Environmental Science and Health</i> , 2020, 18, 7-13.	2.1	11
119	Estimating the no-observed-adverse-effect-level (NOAEL) of hormetic dose-response relationships in meta-data evaluations. <i>MethodsX</i> , 2021, 8, 101568.	0.7	11
120	Atmospheric Pb induced hormesis in the accumulator plant <i>Tillandsia usneoides</i> . <i>Science of the Total Environment</i> , 2022, 811, 152384.	3.9	11
121	Big data-based urban greenness in Chinese megalopolises and possible contribution to air quality control. <i>Science of the Total Environment</i> , 2022, 824, 153834.	3.9	11
122	European Union's imminent ban on glyphosate: Hormesis should be considered in new chemical screening and selection. <i>Journal of Forestry Research</i> , 2022, 33, 1103-1107.	1.7	11
123	Ethylenediurea (EDU) effects on hybrid larch saplings exposed to ambient or elevated ozone over three growing seasons. <i>Journal of Forestry Research</i> , 2022, 33, 117-135.	1.7	10
124	Hormetic responses of soil microbiota to exogenous Cd: A step toward linking community-level hormesis to ecological risk assessment. <i>Journal of Hazardous Materials</i> , 2021, 416, 125760.	6.5	10
125	Seed-borne fungal endophytes constrain reproductive success of host plants under ozone pollution. <i>Environmental Research</i> , 2021, 202, 111773.	3.7	10
126	Photosynthetic and Growth Responses in a Pioneer Tree (Japanese White Birch) and Competitive Perennial Weeds (<i>Eupatorium</i> sp.) Grown Under Different Regimes With Limited Water Supply to Waterlogging. <i>Frontiers in Plant Science</i> , 2022, 13, 835068.	1.7	10

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127	Transgenerational hormesis: What do parents sacrifice for their offspring?. <i>Current Opinion in Environmental Science and Health</i> , 2022, 29, 100380.	2.1	10
128	Impact of elevated CO ₂ on root traits of a sapling community of three birches and an oak: a free-air-CO ₂ enrichment (FACE) in northern Japan. <i>Trees - Structure and Function</i> , 2016, 30, 353-362.	0.9	9
129	Light Energy Partitioning under Various Environmental Stresses Combined with Elevated CO ₂ in Three Deciduous Broadleaf Tree Species in Japan. <i>Climate</i> , 2019, 7, 79.	1.2	9
130	Effects of soil nutrient availability and ozone on container-grown Japanese larch seedlings and role of soil microbes. <i>Journal of Forestry Research</i> , 2020, 31, 2295-2311.	1.7	9
131	Chloroquine commonly induces hormetic dose responses. <i>Science of the Total Environment</i> , 2021, 755, 142436.	3.9	9
132	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
133	Dose response and risk assessment: Evolutionary foundations. <i>Environmental Pollution</i> , 2022, 309, 119787.	3.7	9
134	Root Production of <i>Fagus crenata</i> Blume Saplings Grown in Two Soils and Exposed to Elevated CO ₂ Concentration: an 11-Year Free-Air-CO ₂ Enrichment (FACE) Experiment in Northern Japan. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	8
135	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
136	Hormesis Shifts the No-Observed-Adverse-Effect Level (NOAEL). <i>Dose-Response</i> , 2021, 19, 155932582110016.	0.7	8
137	Arthropod outbreaks, stressors, and sublethal stress. <i>Current Opinion in Environmental Science and Health</i> , 2022, 28, 100371.	2.1	8
138	Sustained growth suppression in forest-floor seedlings of Sakhalin fir associated with previous-year springtime photoinhibition after a winter cutting of canopy trees. <i>European Journal of Forest Research</i> , 2019, 138, 143-150.	1.1	7
139	On the atmospheric ozone monitoring methodologies. <i>Current Opinion in Environmental Science and Health</i> , 2020, 18, 40-46.	2.1	7
140	Constant ratio of C _c to C _i under various CO ₂ concentrations and light intensities, and during progressive drought, in seedlings of Japanese white birch. <i>Photosynthesis Research</i> , 2021, 147, 27-37.	1.6	7
141	Enhanced diversity and rock-weathering potential of bacterial communities inhabiting potash trachyte surface beneath mosses and lichens – A case study in Nanjing, China. <i>Science of the Total Environment</i> , 2021, 785, 147357.	3.9	7
142	Plant-insect communication in urban forests: Similarities of plant volatile compositions among tree species (host vs. non-host trees) for alder leaf beetle <i>Agelastica coerulea</i> . <i>Environmental Research</i> , 2022, 204, 111996.	3.7	7
143	Ozone Effects on Vegetation: A Walk from Cells to Ecosystems. <i>Handbook of Environment and Waste Management</i> , 2020, , 357-396.	0.3	7
144	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

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145	Straw addition decreased the resistance of bacterial community composition to freeze-thaw disturbances in a clay loam soil due to changes in physiological and functional traits. <i>Geoderma</i> , 2022, 424, 116007.	2.3	7
146	Growth and Photosynthetic Responses of Seedlings of Japanese White Birch, a Fast-Growing Pioneer Species, to Free-Air Elevated O ₃ and CO ₂ . <i>Forests</i> , 2021, 12, 675.	0.9	6
147	High doses of ethylenediurea (EDU) as soil drenches did not increase leaf N content or cause phytotoxicity in willow grown in fertile soil. <i>Ecotoxicology and Environmental Safety</i> , 2018, 147, 574-584.	2.9	5
148	Enzyme activity modification in adult beetles (<i>Agelastica coerulea</i>) inhabiting birch trees in an ozone-enriched atmosphere. <i>Environmental Science and Pollution Research</i> , 2018, 25, 32675-32683.	2.7	5
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