

Evgenios Agathokleous

List of Publications by Citations

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158
papers

2,859
citations

28
h-index

46
g-index

181
ext. papers

4,151
ext. citations

6.8
avg, IF

6.69
L-index

#	Paper	IF	Citations
158	Amplified ozone pollution in cities during the COVID-19 lockdown. <i>Science of the Total Environment</i> , 2020 , 735, 139542	10.2	314
157	Hormesis: A Compelling Platform for Sophisticated Plant Science. <i>Trends in Plant Science</i> , 2019 , 24, 318-327	12.1	84
156	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	7.3	80
155	Should we see urban trees as effective solutions to reduce increasing ozone levels in cities?. <i>Environmental Pollution</i> , 2018 , 243, 163-176	9.3	77
154	The two faces of nanomaterials: A quantification of hormesis in algae and plants. <i>Environment International</i> , 2019 , 131, 105044	12.9	67
153	A global environmental health perspective and optimisation of stress. <i>Science of the Total Environment</i> , 2020 , 704, 135263	10.2	67
152	Ozone affects plant, insect, and soil microbial communities: A threat to terrestrial ecosystems and biodiversity. <i>Science Advances</i> , 2020 , 6, eabc1176	14.3	66
151	Estimating the range of the maximum hormetic stimulatory response. <i>Environmental Research</i> , 2019 , 170, 337-343	7.9	65
150	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	10.2	64
149	Chlorophyll hormesis: Are chlorophylls major components of stress biology in higher plants?. <i>Science of the Total Environment</i> , 2020 , 726, 138637	10.2	61
148	Hormesis: Highly Generalizable and Beyond Laboratory. <i>Trends in Plant Science</i> , 2020 , 25, 1076-1086	13.1	59
147	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	2.6	57
146	Environmental hormesis and its fundamental biological basis: Rewriting the history of toxicology. <i>Environmental Research</i> , 2018 , 165, 274-278	7.9	57
145	Hormesis: The dose response for the 21st century: The future has arrived. <i>Toxicology</i> , 2019 , 425, 152249	4.4	56
144	Hormetic dose responses induced by lanthanum in plants. <i>Environmental Pollution</i> , 2019 , 244, 332-341	9.3	55
143	The rare earth element (REE) lanthanum (La) induces hormesis in plants. <i>Environmental Pollution</i> , 2018 , 238, 1044-1047	9.3	52
142	Human and veterinary antibiotics induce hormesis in plants: Scientific and regulatory issues and an environmental perspective. <i>Environment International</i> , 2018 , 120, 489-495	12.9	49

141	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	2	47
140	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	7	40
139	Tropospheric O ₃ , the nightmare of wild plants: a review study. <i>J Agricultural Meteorology</i> , 2015 , 71, 142-152	40	
138	Urban population exposure to air pollution in Europe over the last decades. <i>Environmental Sciences Europe</i> , 2021 , 33, 28	5	38
137	Ozone weekend effect in cities: Deep insights for urban air pollution control. <i>Environmental Research</i> , 2020 , 191, 110193	7.9	35
136	Hormesis can enhance agricultural sustainability in a changing world. <i>Global Food Security</i> , 2019 , 20, 1508-155	34	
135	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	9.3	34
134	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	1.1	34
133	Screening of Bangladeshi winter wheat (<i>Triticum aestivum</i> L.) cultivars for sensitivity to ozone. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 13560-71	5.1	32
132	Nano-pesticides: A great challenge for biodiversity? The need for a broader perspective. <i>Nano Today</i> , 2020 , 30, 100808	17.9	32
131	Olive Oil for Dressing Plant Leaves so as to Avoid O ₃ Injury. <i>Water, Air, and Soil Pollution</i> , 2016 , 227, 1	2.6	29
130	Temperature-induced hormesis in plants. <i>Journal of Forestry Research</i> , 2019 , 30, 13-20	2	28
129	A Review Study on Ozone Phytotoxicity Metrics for Setting Critical Levels in Asia. <i>Asian Journal of Atmospheric Environment</i> , 2018 , 12, 1-16	1.3	28
128	Screening agrochemicals as potential protectants of plants against ozone phytotoxicity. <i>Environmental Pollution</i> , 2015 , 197, 247-255	9.3	26
127	New insights into the role of melatonin in plants and animals. <i>Chemico-Biological Interactions</i> , 2019 , 299, 163-167	5	25
126	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	9.3	25
125	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	1.1	24
124	A quantitative assessment of hormetic responses of plants to ozone. <i>Environmental Research</i> , 2019 , 176, 108527	7.9	23

123	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	2.2	23
122	Ozone will remain a threat for plants independently of nitrogen load. <i>Functional Ecology</i> , 2019 , 33, 1854-1870	5.1	23
121	Micro/nanoplastics effects on organisms: A review focusing on 'dose'. <i>Journal of Hazardous Materials</i> , 2021 , 417, 126084	12.8	23
120	Ecophysiology of deciduous trees native to Northeast Asia grown under FACE (Free Air CO ₂ Enrichment). <i>J Agricultural Meteorology</i> , 2015 , 71, 174-184	1.1	22
119	Stem and crown growth of Japanese larch and its hybrid F grown in two soils and exposed to two free-air O ₃ regimes. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 6634-6647	5.1	21
118	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	10.2	21
117	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	10.2	21
116	Building Biological Shields via Hormesis. <i>Trends in Pharmacological Sciences</i> , 2019 , 40, 8-10	13.2	21
115	Ecological risks in a 'plastic' world: A threat to biological diversity?. <i>Journal of Hazardous Materials</i> , 2021 , 417, 126035	12.8	21
114	Does Green Tea Induce Hormesis?. <i>Dose-Response</i> , 2020 , 18, 1559325820936170	2.3	20
113	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	10.2	20
112	Emission of volatile organic compounds from plants shows a biphasic pattern within an hormetic context. <i>Environmental Pollution</i> , 2018 , 239, 318-321	9.3	19
111	Behavioral impacts of a mixture of six pesticides on rats. <i>Science of the Total Environment</i> , 2020 , 727, 138491	10.2	19
110	Integrated assessment of ambient ozone phytotoxicity in Greece's Tripolis Plateau. <i>J Agricultural Meteorology</i> , 2015 , 71, 55-64	1.1	18
109	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	10.2	17
108	On the Nonmonotonic, Hormetic Photoprotective Response of Plants to Stress. <i>Dose-Response</i> , 2019 , 17, 1559325819838420	2.3	17
107	Hydrocarbon-induced hormesis: 101 years of evidence at the margin?. <i>Environmental Pollution</i> , 2020 , 265, 114846	9.3	17
106	The rise and fall of photosynthesis: hormetic dose response in plants. <i>Journal of Forestry Research</i> , 2021 , 32, 889-898	2	17

105	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	7.9	15
104	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	2.6	15
103	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	5.1	15
102	Environmental toxicology and ecotoxicology: How clean is clean? Rethinking dose-response analysis. <i>Science of the Total Environment</i> , 2020 , 746, 138769	10.2	14
101	Canopy nitrogen distribution is optimized to prevent photoinhibition throughout the canopy during sun flecks. <i>Scientific Reports</i> , 2018 , 8, 503	4.9	14
100	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	10.2	14
99	Accumulator plants and hormesis. <i>Environmental Pollution</i> , 2021 , 274, 116526	9.3	14
98	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	10.2	13
97	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	10.2	13
96	Effects of ozone (O) 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	9.3	12
95	Biphasic effect of abscisic acid on plants: an hormetic viewpoint. <i>Botany</i> , 2018 , 96, 637-642	1.3	12
94	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	10.2	12
93	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	5.7	11
92	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	1.1	11
91	Stress response and population dynamics: Is Allee effect hormesis?. <i>Science of the Total Environment</i> , 2019 , 682, 623-628	10.2	10
90	Ethylenediurea Induces Hormesis in Plants. <i>Dose-Response</i> , 2018 , 16, 1559325818765280	2.3	10
89	Hormetic effects of zinc on growth and antioxidant defense system of wheat plants. <i>Science of the Total Environment</i> , 2021 , 807, 150992	10.2	10
88	Hormesis: Transforming disciplines that rely on the dose response. <i>IUBMB Life</i> , 2021 ,	4.7	10

87	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	10.2	10
86	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	10.2	10
85	Emerging challenges of ozone impacts on asian plants: actions are needed to protect ecosystem health. <i>Ecosystem Health and Sustainability</i> , 2021 , 7, 1911602	3.7	10
84	Growth and nutrition of <i>Agelastica coerulea</i> (Coleoptera: Chrysomelidae) larvae changed when fed with leaves obtained from an O-enriched atmosphere. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 13186-13194	5.1	9
83	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	5.1	9
82	Ferulic acid and hormesis: Biomedical and environmental implications. <i>Mechanisms of Ageing and Development</i> , 2021 , 198, 111544	5.6	9
81	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	2.8	8
80	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	5.7	8
79	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	2.6	8
78	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	10.2	8
77	A gift from parent to offspring: transgenerational hormesis. <i>Trends in Plant Science</i> , 2021 , 26, 1098-1100	13.1	8
76	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	4.4	7
75	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	2.6	7
74	Ozone pollution threatens the production of major staple crops in East Asia. <i>Nature Food</i> , 2022 , 3, 47-56	14.4	7
73	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	3.6	7
72	Plant susceptibility to ozone: A tower of Babel?. <i>Science of the Total Environment</i> , 2020 , 703, 134962	10.2	7
71	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	10.2	7
70	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	3.1	6

69	Re-analysis of herbal extracts data reveals that inflammatory processes are mediated by hormetic mechanisms. <i>Chemico-Biological Interactions</i> , 2019 , 314, 108844	5	6
68	The relevance of hormesis at higher levels of biological organization: Hormesis in microorganisms. <i>Current Opinion in Toxicology</i> , 2022 , 29, 1-9	4.4	6
67	Nonlinear responses of foliar phenylpropanoids to increasing O ₃ exposure: Ecological implications in a Populus model system. <i>Science of the Total Environment</i> , 2021 , 767, 144358	10.2	6
66	Smoke-water commonly induces hormetic dose responses in plants. <i>Science of the Total Environment</i> , 2021 , 765, 142776	10.2	6
65	Developing Ozone Risk Assessment for Larch Species. <i>Frontiers in Forests and Global Change</i> , 2020 , 3,	3.7	5
64	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	4.9	5
63	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	7	5
62	HUMAN DENTAL PULP STEM CELLS AND HORMESIS. <i>Ageing Research Reviews</i> , 2021 , 101540	12	5
61	Estimating the no-observed-adverse-effect-level (NOAEL) of hormetic dose-response relationships in meta-data evaluations.. <i>MethodsX</i> , 2021 , 8, 101568	1.9	5
60	Ozone biomonitoring: A versatile tool for science, education and regulation. <i>Current Opinion in Environmental Science and Health</i> , 2020 , 18, 7-13	8.1	5
59	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	2	5
58	Chloroquine commonly induces hormetic dose responses. <i>Science of the Total Environment</i> , 2021 , 755, 142436	10.2	5
57	Constant ratio of C to C 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	3.7	5
56	Pollen biology and hormesis: Pollen germination and pollen tube elongation. <i>Science of the Total Environment</i> , 2021 , 762, 143072	10.2	5
55	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	12.8	5
54	Formaldehyde: Another hormesis-inducing chemical. <i>Environmental Research</i> , 2021 , 199, 111395	7.9	5
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	7.9	5
52	Luteolin and hormesis. <i>Mechanisms of Ageing and Development</i> , 2021 , 199, 111559	5.6	5

51	Seed-borne fungal endophytes constrain reproductive success of host plants under ozone pollution. <i>Environmental Research</i> , 2021 , 202, 111773	7.9	5
50	Strategic roadmap to assess forest vulnerability under air pollution and climate change. <i>Global Change Biology</i> ,	11.4	5
49	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	10.2	4
48	Ozone Effects on Vegetation: A Walk from Cells to Ecosystems. <i>Handbook of Environment and Waste Management</i> , 2020 , 357-396	0.4	4
47	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> , 2020 , 32, 1-11	2	4
46	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	12.8	4
45	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	8.1	4
44	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	5.1	4
43	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	9.3	4
42	Hormesis Shifts the No-Observed-Adverse-Effect Level (NOAEL). <i>Dose-Response</i> , 2021 , 19, 15593258211091667	10.9	4
41	Impacts of forest management intensity on carbon accumulation of China's forest plantations. <i>Forest Ecology and Management</i> , 2020 , 472, 118252	3.9	3
40	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> , 1	2	3
39	Ethylenediurea offers moderate protection against ozone-induced rice yield loss under high ozone pollution. <i>Science of the Total Environment</i> , 2022 , 806, 151341	10.2	3
38	On the atmospheric ozone monitoring methodologies. <i>Current Opinion in Environmental Science and Health</i> , 2020 , 18, 40-46	8.1	3
37	Integration of electron flow partitioning improves estimation of photosynthetic rate under various environmental conditions based on chlorophyll fluorescence. <i>Remote Sensing of Environment</i> , 2021 , 254, 112273	13.2	3
36	Ethylenediurea (EDU) effects on hybrid larch saplings exposed to ambient or elevated ozone over three growing seasons. <i>Journal of Forestry Research</i> , 1	2	3
35	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	10.2	3
34	Metformin-enhances resilience via hormesis. <i>Ageing Research Reviews</i> , 2021 , 71, 101418	12	3

33	Modeling daily global solar radiation using only temperature data: Past, development, and future. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 163, 112511	16.2	3
32	Big data-based urban greenness in Chinese megalopolises and possible contribution to air quality control.. <i>Science of the Total Environment</i> , 2022 , 153834	10.2	2
31	Atmospheric Pb induced hormesis in the accumulator plant <i>Tillandsia usneoides</i> .. <i>Science of the Total Environment</i> , 2021 , 811, 152384	10.2	2
30	Survival rate and shoot growth of grafted Dahurian larch (<i>Larix gmelinii</i> var. <i>japonica</i>): a comparison between Japanese larch (<i>L. kaempferi</i>) and F1 hybrid larch (<i>L. gmelinii</i> var. <i>japonica</i> × <i>L. kaempferi</i>) rootstocks. <i>Silvae Genetica</i> , 2018 , 67, 111-116	1.1	2
29	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	9.3	2
28	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	2.8	2
27	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	2.7	2
26	High nitrogen addition decreases the ozone flux by reducing the maximum stomatal conductance in poplar saplings. <i>Environmental Pollution</i> , 2021 , 272, 115979	9.3	2
25	Forest management required for consistent carbon sink in China's forest plantations. <i>Forest Ecosystems</i> , 2021 , 8,	3.8	2
24	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	10.2	2
23	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	7.9	2
22	Hormesis: A General Biological Principle.. <i>Chemical Research in Toxicology</i> , 2022 ,	4	2
21	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	10.2	1
20	Ground-Level Ozone Profile and the Role of Plants as Sources and Sinks. <i>Handbook of Environment and Waste Management</i> , 2020 , 281-324	0.4	1
19	An Environmental Perspective on Health. <i>Healthy Ageing and Longevity</i> , 2020 , 371-382	0.5	1
18	An improved method to estimate actual vapor pressure without relative humidity data. <i>Agricultural and Forest Meteorology</i> , 2021 , 298-299, 108306	5.8	1
17	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	10.2	1
16	Elevated CO ₂ offsets the alteration of foliar chemicals (n-icosane, geranyl acetate, and elixene) induced by elevated O ₃ in three taxa of O ₃ -tolerant eucalypts. <i>Journal of Forestry Research</i> , 2021 , 32, 789-803	2	1

15	Photosynthetic and Photosynthesis-Related Responses of Japanese Native Trees to CO ₂ : Results from Phytotrons, Open-Top Chambers, Natural CO ₂ Springs, and Free-Air CO ₂ Enrichment. <i>Advances in Photosynthesis and Respiration</i> , 2018 , 425-449	1.7	1
14	Photosynthetic and Growth Responses in a Pioneer Tree (Japanese White Birch) and Competitive Perennial Weeds (sp.) Grown Under Different Regimes With Limited Water Supply to Waterlogging.. <i>Frontiers in Plant Science</i> , 2022 , 13, 835068	6.2	1
13	Stem cells and hormesis. <i>Current Opinion in Toxicology</i> , 2022 , 30, 100340	4.4	1
12	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	10.2	1
11	Effects of Ozone on Forests 2022 , 1-28		1
10	European Union's imminent ban on glyphosate: Hormesis should be considered in new chemical screening and selection. <i>Journal of Forestry Research</i> ,	2	1
9	Arthropod outbreaks, stressors and sublethal stress. <i>Current Opinion in Environmental Science and Health</i> , 2022 , 100371	8.1	1
8	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	10.2	0
7	China: The New Powerhouse of Hormesis Research?. <i>Dose-Response</i> , 2021 , 19, 1559325821995655	2.3	0
6	Hormesis is an evolutionary expectation: implications for aging.. <i>Biogerontology</i> , 2022 , 1	4.5	0
5	Dissecting the combined effects of cultivar, fertilization, and irrigation on rhizosphere bacterial communities and nitrogen productivity in rice.. <i>Science of the Total Environment</i> , 2022 , 155534	10.2	0
4	Safeguarding food security: Hormesis-based plant priming to the rescue. <i>Current Opinion in Environmental Science and Health</i> , 2022 , 100374	8.1	0
3	Ambient Ozone Alternative Monitoring and Biomonitoring with Higher Plants. <i>Handbook of Environment and Waste Management</i> , 2020 , 325-356	0.4	
2	The hormetic dose response: implications for risk assessment 2021 , 139-146		
1	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	10.2	