Evgenios Agathokleous

List of Publications by Year
in descending order

177 papers	5,470 citations	101543 36 h-index	114465 63 g-index
181 all docs	181 docs citations	181 times ranked	3805 citing authors

#	Article	IF	Citations
1	Ethylenediurea (EDU) effects on hybrid larch saplings exposed to ambient or elevated ozone over three growing seasons. Journal of Forestry Research, 2022, 33, 117-135.	3.6	10
2	Hormesis: Transforming disciplines that rely on the dose response. IUBMB Life, 2022, 74, 8-23.	3.4	23
3	Mastering the scientific peer review process: tips for young authors from a young senior editor. Journal of Forestry Research, 2022, 33, 1-20.	3.6	14
4	Plant-insect communication in urban forests: Similarities of plant volatile compositions among tree species (host vs. non-host trees) for alder leaf beetle Agelastica coerulea. Environmental Research, 2022, 204, 111996.	7.5	7
5	Hormetic effects of zinc on growth and antioxidant defense system of wheat plants. Science of the Total Environment, 2022, 807, 150992.	8.0	59
6	Ethylenediurea (EDU) spray effects on willows (Salix sachalinensis F. Schmid) grown in ambient or ozone-enriched air: implications for renewable biomass production. Journal of Forestry Research, 2022, 33, 397-422.	3.6	15
7	Whole-plant compensatory responses of isoprene emission from hybrid poplar seedlings exposed to elevated ozone. Science of the Total Environment, 2022, 806, 150949.	8.0	7
8	Ethylenediurea offers moderate protection against ozone-induced rice yield loss under high ozone pollution. Science of the Total Environment, 2022, 806, 151341.	8.0	23
9	Disinfectant-induced hormesis: An unknown environmental threat of the application of disinfectants to prevent SARS-CoV-2 infection during the COVID-19 pandemic?. Environmental Pollution, 2022, 292, 118429.	7.5	20
10	Atmospheric Pb induced hormesis in the accumulator plant Tillandsia usneoides. Science of the Total Environment, 2022, 811, 152384.	8.0	11
11	The relevance of hormesis at higher levels of biological organization: Hormesis in microorganisms. Current Opinion in Toxicology, 2022, 29, 1-9.	5.0	23
12	The hormetic response of heart rate of fish embryos to contaminants â€" Implications for research and policy. Science of the Total Environment, 2022, 815, 152911.	8.0	13
13	Ozone pollution threatens the production of major staple crops in East Asia. Nature Food, 2022, 3, 47-56.	14.0	93
14	Agronomic Practices to Increase the Yield and Quality of Common Bean (Phaseolus vulgaris L.): A Systematic Review. Agronomy, 2022, 12, 271.	3.0	32
15	Human dental pulp stem cells and hormesis. Ageing Research Reviews, 2022, 73, 101540.	10.9	12
16	Hormesis induced by silver iodide, hydrocarbons, microplastics, pesticides, and pharmaceuticals: Implications for agroforestry ecosystems health. Science of the Total Environment, 2022, 820, 153116.	8.0	33
17	Big data-based urban greenness in Chinese megalopolises and possible contribution to air quality control. Science of the Total Environment, 2022, 824, 153834.	8.0	11
18	Editorial Overview: Hormesis and Dose-Response. Current Opinion in Toxicology, 2022, , .	5.0	4

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19	Hormesis: A General Biological Principle. Chemical Research in Toxicology, 2022, 35, 547-549.	3.3	24
20	Environmental hormesis: A tribute to Anthony Stebbing. Science of the Total Environment, 2022, 832, 154996.	8.0	3
21	Photosynthetic and Growth Responses in a Pioneer Tree (Japanese White Birch) and Competitive Perennial Weeds (Eupatorium sp.) Grown Under Different Regimes With Limited Water Supply to Waterlogging. Frontiers in Plant Science, 2022, 13, 835068.	3.6	10
22	Six statistical issues in scientific writing that might lead to rejection of a manuscript. Journal of Forestry Research, 2022, 33, 731-739.	3.6	2
23	Stem cells and hormesis. Current Opinion in Toxicology, 2022, 30, 100340.	5.0	3
24	Effects of elevated ozone on bacterial communities inhabiting the phyllo- and endo-spheres of rice plants. Science of the Total Environment, 2022, 830, 154705.	8.0	3
25	Biochar application improves karstic lime soil physicochemical properties and enzymes activity and enhances sweet tea seedlings physiological performance. Science of the Total Environment, 2022, 830, 154815.	8.0	12
26	Effects of Ozone on Forests. , 2022, , 1-28.		1
27	European Unionâ€™s imminent ban on glyphosate: Hormesis should be considered in new chemical screening and selection. Journal of Forestry Research, 2022, 33, 1103-1107.	3.6	11
28	Air pollution and climate change threats to plant ecosystems. Environmental Research, 2022, 212, 113420.	7.5	1
29	Hormesis is an evolutionary expectation: implications for aging. Biogerontology, 2022, 23, 381-384.	3.9	4
30	Modeling daily global solar radiation using only temperature data: Past, development, and future. Renewable and Sustainable Energy Reviews, 2022, 163, 112511.	16.4	17
31	Dissecting the combined effects of cultivar, fertilization, and irrigation on rhizosphere bacterial communities and nitrogen productivity in rice. Science of the Total Environment, 2022, 835, 155534.	8.0	4
32	Safeguarding food security: Hormesis-based plant priming to the rescue. Current Opinion in Environmental Science and Health, 2022, 28, 100374.	4.1	5
33	Strategic roadmap to assess forest vulnerability under air pollution and climate change. Global Change Biology, 2022, 28, 5062-5085.	9.5	31
34	Arthropod outbreaks, stressors, and sublethal stress. Current Opinion in Environmental Science and Health, 2022, 28, 100371.	4.1	8
35	Tolerance of Japanese larch to drought is modified by nitrogen and water regimes during cultivation of container seedlings. European Journal of Forest Research, 2022, 141, 699-712.	2.5	4
36	Straw addition decreased the resistance of bacterial community composition to freezeâ€“thaw disturbances in a clay loam soil due to changes in physiological and functional traits. Geoderma, 2022, 424, 116007.	5.1	7

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37	Elevated ozone inhibits isoprene emission of a diploid and a triploid genotype of <i>Populus tomentosa</i> by different mechanisms. Journal of Experimental Botany, 2022, 73, 6449-6462.	4.8	2
38	Natural forest growth and human induced ecosystem disturbance influence water yield in forests. Communications Earth & Environment, 2022, 3, .	6.8	2
39	Transgenerational hormesis: What do parents sacrifice for their offspring?. Current Opinion in Environmental Science and Health, 2022, 29, 100380.	4.1	10
40	Dose response and risk assessment: Evolutionary foundations. Environmental Pollution, 2022, 309, 119787.	7.5	9
41	Joint impacts of ozone pollution and climate change on yields of Chinese winter wheat. Atmospheric Pollution Research, 2022, 13, 101509.	3.8	3
42	Ethylenediurea (EDU) effects on Japanese larch: an one growing season experiment with simulated regenerating communities and a four growing season application to individual saplings. Journal of Forestry Research, 2021, 32, 2047-2057.	3.6	15
43	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. Journal of Forestry Research, 2021, 32, 789-803.	3.6	3
44	Exogenous application of chemicals for protecting plants against ambient ozone pollution: What should come next?. Current Opinion in Environmental Science and Health, 2021, 19, 100215.	4.1	11
45	Chloroquine commonly induces hormetic dose responses. Science of the Total Environment, 2021, 755, 142436.	8.0	9
46	Interactive effects of ozone exposure and nitrogen addition on the rhizosphere bacterial community of poplar saplings. Science of the Total Environment, 2021, 754, 142134.	8.0	31
47	Constant ratio of Cc to Ci under various CO_2 concentrationsÂand light intensities, and during progressive drought, in seedlings of Japanese white birch. Photosynthesis Research, 2021, 147, 27-37.	2.9	7
48	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. Science of the Total Environment, 2021, 757, 143771.	8.0	21
49	The rise and fall of photosynthesis: hormetic dose response in plants. Journal of Forestry Research, 2021, 32, 889-898.	3.6	40
50	High nitrogen addition decreases the ozone flux by reducing the maximum stomatal conductance in poplar saplings. Environmental Pollution, 2021, 272, 115979.	7.5	12
51	Smoke-water commonly induces hormetic dose responses in plants. Science of the Total Environment, 2021, 765, 142776.	8.0	11
52	Pollen biology and hormesis: Pollen germination and pollen tube elongation. Science of the Total Environment, 2021, 762, 143072.	8.0	13
53	China: The New Powerhouse of Hormesis Research?. Dose-Response, 2021, 19, 155932582199565.	1.6	1
54	Ozone disrupts the communication between plants and insects in urban and suburban areas: an updated insight on plant volatiles. Journal of Forestry Research, 2021, 32, 1337-1349.	3.6	26

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55	The hormetic dose response: implications for risk assessment. , 2021, , 139-146.		0
56	Emerging challenges of ozone impacts on asian plants: actions are needed to protect ecosystem health. Ecosystem Health and Sustainability, 2021, 7, .	3.1	32
57	Editorial: Interactions Between Ozone Pollution and Forest Ecosystems. Frontiers in Forests and Global Change, 2021, 3, .	2.3	4
58	An improved method to estimate actual vapor pressure without relative humidity data. Agricultural and Forest Meteorology, 2021, 298-299, 108306.	4.8	5
59	Integration of electron flow partitioning improves estimation of photosynthetic rate under various environmental conditions based on chlorophyll fluorescence. Remote Sensing of Environment, 2021, 254, 112273.	11.0	5
60	Urban population exposure to air pollution in Europe over the last decades. Environmental Sciences Europe, 2021, 33, 28.	5.5	148
61	Accumulator plants and hormesis. Environmental Pollution, 2021, 274, 116526.	7.5	39
62	Fungicide-Induced Hormesis in Phytopathogenic Fungi: A Critical Determinant of Successful Agriculture and Environmental Sustainability. Journal of Agricultural and Food Chemistry, 2021, 69, 4561-4563.	5.2	14
63	Effects of elevated ozone on maize under varying soil nitrogen levels: Biomass, nitrogen and carbon, and their allocation to kernel. Science of the Total Environment, 2021, 765, 144332.	8.0	9
64	Nonlinear responses of foliar phenylpropanoids to increasing O3 exposure: Ecological implications in a Populus model system. Science of the Total Environment, 2021, 767, 144358.	8.0	17
65	Novel ozone flux metrics incorporating the detoxification process in the apoplast: An application to Chinese winter wheat. Science of the Total Environment, 2021, 767, 144588.	8.0	8
66	The role of bacterial communities in shaping Cd-induced hormesis in â€˜livingâ€™ soil as a function of land-use change. Journal of Hazardous Materials, 2021, 409, 124996.	12.4	13
67	Growth and Photosynthetic Responses of Seedlings of Japanese White Birch, a Fast-Growing Pioneer Species, to Free-Air Elevated O3 and CO2. Forests, 2021, 12, 675.	2.1	6
68	Hormetic responses of soil microbiota to exogenous Cd: A step toward linking community-level hormesis to ecological risk assessment. Journal of Hazardous Materials, 2021, 416, 125760.	12.4	10
69	Formaldehyde: Another hormesis-inducing chemical. Environmental Research, 2021, 199, 111395.	7.5	15
70	Measurement and modeling of hormesis in soil bacteria and fungi under single and combined treatments of Cd and Pb. Science of the Total Environment, 2021, 783, 147494.	8.0	24
71	Forest management required for consistent carbon sink in Chinaâ€™s forest plantations. Forest Ecosystems, 2021, 8, .	3.1	15
72	Ecological risks in a â€˜plasticâ€™ world: A threat to biological diversity?. Journal of Hazardous Materials, 2021, 417, 126035.	12.4	68

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73	Ferulic acid and hormesis: Biomedical and environmental implications. Mechanisms of Ageing and Development, 2021, 198, 111544.	4.6	28
74	Engaging in scientific peer review: tips for young reviewers. Journal of Forestry Research, 2021, 32, 2249-2254.	3.6	4
75	US EPA: Is there room to open a new window for evaluating potential sub-threshold effects and ecological risks?. Environmental Pollution, 2021, 284, 117372.	7.5	11
76	Exogenous application of melatonin to plants, algae, and harvested products to sustain agricultural productivity and enhance nutritional and nutraceutical value: A meta-analysis. Environmental Research, 2021, 200, 111746.	7.5	29
77	A gift from parent to offspring: transgenerational hormesis. Trends in Plant Science, 2021, 26, 1098-1100.	8.8	28
78	Enhanced diversity and rock-weathering potential of bacterial communities inhabiting potash trachyte surface beneath mosses and lichens â€" A case study in Nanjing, China. Science of the Total Environment, 2021, 785, 147357.	8.0	7
79	Micro/nanoplastics effects on organisms: A review focusing on â€˜doseâ€™. Journal of Hazardous Materials, 2021, 417, 126084.	12.4	96
80	Luteolin and hormesis. Mechanisms of Ageing and Development, 2021, 199, 111559.	4.6	23
81	Seed-borne fungal endophytes constrain reproductive success of host plants under ozone pollution. Environmental Research, 2021, 202, 111773.	7.5	10
82	Metformin-enhances resilience via hormesis. Ageing Research Reviews, 2021, 71, 101418.	10.9	15
83	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. Science of the Total Environment, 2021, 798, 149255.	8.0	49
84	Hormesis Shifts the No-Observed-Adverse-Effect Level (NOAEL). Dose-Response, 2021, 19, 155932582110016.	1.6	8
85	Estimating the no-observed-adverse-effect-level (NOAEL) of hormetic dose-response relationships in meta-data evaluations. MethodsX, 2021, 8, 101568.	1.6	11
86	Plant susceptibility to ozone: A tower of Babel?. Science of the Total Environment, 2020, 703, 134962.	8.0	22
87	Effects of soil nutrient availability and ozone on container-grown Japanese larch seedlings and role of soil microbes. Journal of Forestry Research, 2020, 31, 2295-2311.	3.6	9
88	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. Science of the Total Environment, 2020, 710, 136379.	8.0	26
89	Does Ozone Alter the Attractiveness of Japanese White Birch Leaves to the Leaf Beetle Agelastica coerulea via Changes in Biogenic Volatile Organic Compounds (BVOCs): An Examination with the Y-Tube Test. Forests, 2020, 11, 58.	2.1	14
90	Leaf defense capacity of Japanese elm (Ulmus davidiana var. japonica) seedlings subjected to a nitrogen loading and insect herbivore dynamics in a free air ozone-enriched environment. Environmental Science and Pollution Research, 2020, 27, 3350-3360.	5.3	11

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91	A global environmental health perspective and optimisation of stress. Science of the Total Environment, 2020, 704, 135263.	8.0	97
92	Nano-pesticides: A great challenge for biodiversity? The need for a broader perspective. Nano Today, 2020, 30, 100808.	11.9	53
93	Challenges, gaps and opportunities in investigating the interactions of ozone pollution and plant ecosystems. Science of the Total Environment, 2020, 709, 136188.	8.0	19
94	Ozone weekend effect in cities: Deep insights for urban air pollution control. Environmental Research, 2020, 191, 110193.	7.5	95
95	On the atmospheric ozone monitoring methodologies. Current Opinion in Environmental Science and Health, 2020, 18, 40-46.	4.1	7
96	Does Green Tea Induce Hormesis?. Dose-Response, 2020, 18, 155932582093617.	1.6	34
97	Ozone affects plant, insect, and soil microbial communities: A threat to terrestrial ecosystems and biodiversity. Science Advances, 2020, 6, eabc1176.	10.3	181
98	SI: Air Pollution and Plant Ecosystems. Climate, 2020, 8, 91.	2.8	0
99	Developing Ozone Risk Assessment for Larch Species. Frontiers in Forests and Global Change, 2020, 3, .	2.3	13
100	Environmental toxicology and ecotoxicology: How clean is clean? Rethinking dose-response analysis. Science of the Total Environment, 2020, 746, 138769.	8.0	30
101	Amplified ozone pollution in cities during the COVID-19 lockdown. Science of the Total Environment, 2020, 735, 139542.	8.0	516
102	Hormesis: Highly Generalizable and Beyond Laboratory. Trends in Plant Science, 2020, 25, 1076-1086.	8.8	128
103	Impacts of forest management intensity on carbon accumulation of Chinaâ€™s forest plantations. Forest Ecology and Management, 2020, 472, 118252.	3.2	14
104	Theodosius Dobzhansky's view on biology and evolution v.2.0: â€œNothing 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 strategiesâ€. Environmental Research, 2020, 186, 109559.	7.5	26
105	Behavioral impacts of a mixture of six pesticides on rats. Science of the Total Environment, 2020, 727, 138491.	8.0	30
106	Chlorophyll hormesis: Are chlorophylls major components of stress biology in higher plants?. Science of the Total Environment, 2020, 726, 138637.	8.0	141
107	An Environmental Perspective on Health. Healthy Ageing and Longevity, 2020, , 371-382.	0.2	1
108	Ozone biomonitoring: A versatile tool for science, education and regulation. Current Opinion in Environmental Science and Health, 2020, 18, 7-13.	4.1	11

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109	Hydrocarbon-induced hormesis: 101 years of evidence at the margin?. Environmental Pollution, 2020, 265, 114846.	7.5	25
110	Ozone Effects on Vegetation: A Walk from Cells to Ecosystems. Handbook of Environment and Waste Management, 2020, , 357-396.	0.3	7
111	Ground-Level Ozone Profile and the Role of Plants as Sources and Sinks. Handbook of Environment and Waste Management, 2020, , 281-324.	0.3	5
112	Ambient Ozone Alternative Monitoring and Biomonitoring with Higher Plants. Handbook of Environment and Waste Management, 2020, , 325-356.	0.3	1
113	On the Nonmonotonic, Hormetic Photoprotective Response of Plants to Stress. Dose-Response, 2019, 17, 155932581983842.	1.6	20
114	The two faces of nanomaterials: A quantification of hormesis in algae and plants. Environment International, 2019, 131, 105044.	10.0	104
115	Ozone will remain a threat for plants independently of nitrogen load. Functional Ecology, 2019, 33, 1854-1870.	3.6	33
116	Hormesis: The dose response for the 21st century: The future has arrived. Toxicology, 2019, 425, 152249.	4.2	103
117	Re-analysis of herbal extracts data reveals that inflammatory processes are mediated by hormetic mechanisms. Chemico-Biological Interactions, 2019, 314, 108844.	4.0	11
118	Systemic Herbicide 2,4-Dichlorophenoxyacetic Acid Is Another Hormetin: What Does It Mean for Agriculture and the Environment?. Journal of Agricultural and Food Chemistry, 2019, 67, 9695-9696.	5.2	16
119	Light Energy Partitioning under Various Environmental Stresses Combined with Elevated CO2 in Three Deciduous Broadleaf Tree Species in Japan. Climate, 2019, 7, 79.	2.8	9
120	Ozone-induced impairment of night-time stomatal closure in O3-sensitive poplar clone is affected by nitrogen but not by phosphorus enrichment. Science of the Total Environment, 2019, 692, 713-722.	8.0	24
121	A quantitative assessment of hormetic responses of plants to ozone. Environmental Research, 2019, 176, 108527.	7.5	35
122	Effects of major vein blockage and aquaporin inhibition on leaf hydraulics and stomatal conductance. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190799.	2.6	14
123	Stress response and population dynamics: Is Allee effect hormesis?. Science of the Total Environment, 2019, 682, 623-628.	8.0	17
124	Temperature-induced hormesis in plants. Journal of Forestry Research, 2019, 30, 13-20.	3.6	42
125	Hormesis can enhance agricultural sustainability in a changing world. Global Food Security, 2019, 20, 150-155.	8.1	47
126	Hormesis: A Compelling Platform for Sophisticated Plant Science. Trends in Plant Science, 2019, 24, 318-327.	8.8	145

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127	Predicting the effect of ozone on vegetation via linear non-threshold (LNT), threshold and hormetic dose-response models. Science of the Total Environment, 2019, 649, 61-74.	8.0	97
128	Does the root to shoot ratio show a hormetic response to stress? An ecological and environmental perspective. Journal of Forestry Research, 2019, 30, 1569-1580.	3.6	82
129	New insights into the role of melatonin in plants and animals. Chemico-Biological Interactions, 2019, 299, 163-167.	4.0	40
130	Sustained growth suppression in forest-floor seedlings of Sakhalin fir associated with previous-year springtime photoinhibition after a winter cutting of canopy trees. European Journal of Forest Research, 2019, 138, 143-150.	2.5	7
131	Commentary: EPA's proposed expansion of dose-response analysis is a positive step towards improving its ecological risk assessment. Environmental Pollution, 2019, 246, 566-570.	7.5	30
132	Building Biological Shields via Hormesis. Trends in Pharmacological Sciences, 2019, 40, 8-10.	8.7	27
133	Estimating the range of the maximum hormetic stimulatory response. Environmental Research, 2019, 170, 337-343.	7.5	102
134	Trends and inter-relationships of ground-level ozone metrics and forest health in Lithuania. Science of the Total Environment, 2019, 658, 1265-1277.	8.0	31
135	Effects of ozone and ammonium sulfate on cauliflower: Emphasis on the interaction between plants and insect herbivores. Science of the Total Environment, 2019, 659, 995-1007.	8.0	14
136	Hormetic dose responses induced by lanthanum in plants. Environmental Pollution, 2019, 244, 332-341.	7.5	81
137	Growth and nutrition of Agelastica coerulea (Coleoptera: Chrysomelidae) larvae changed when fed with leaves obtained from an O3-enriched atmosphere. Environmental Science and Pollution Research, 2018, 25, 13186-13194.	5.3	11
138	Emission of volatile organic compounds from plants shows a biphasic pattern within an hormetic context. Environmental Pollution, 2018, 239, 318-321.	7.5	24
139	Effects of ozone (O3) and ethylenediurea (EDU) on the ecological stoichiometry of a willow grown in a free-air exposure system. Environmental Pollution, 2018, 238, 663-676.	7.5	21
140	Canopy nitrogen distribution is optimized to prevent photoinhibition throughout the canopy during sun flecks. Scientific Reports, 2018, 8, 503.	3.3	20
141	Environmental hormesis, a fundamental non-monotonic biological phenomenon with implications in ecotoxicology and environmental safety. Ecotoxicology and Environmental Safety, 2018, 148, 1042-1053.	6.0	117
142	Springtime photoinhibition constrains regeneration of forest floor seedlings of Abies sachalinensis after a removal of canopy trees during winter. Scientific Reports, 2018, 8, 6310.	3.3	13
143	The rare earth element (REE) lanthanum (La) induces hormesis in plants. Environmental Pollution, 2018, 238, 1044-1047.	7.5	71
144	Growth and photosynthetic response of two larches exposed to O₃ mixing ratios ranging from preindustrial to near future. Photosynthetica, 2018, 56, 901-910.	1.7	28

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145	Effects of simulated nitrogen deposition on ectomycorrhizae community structure in hybrid larch and its parents grown in volcanic ash soil: The role of phosphorous. Science of the Total Environment, 2018, 618, 905-915.	8.0	17
146	High doses of ethylenediurea (EDU) as soil drenches did not increase leaf N content or cause phytotoxicity in willow grown in fertile soil. Ecotoxicology and Environmental Safety, 2018, 147, 574-584.	6.0	5
147	Enzyme activity modification in adult beetles (Agelastica coerulea) inhabiting birch trees in an ozone-enriched atmosphere. Environmental Science and Pollution Research, 2018, 25, 32675-32683.	5.3	5
148	Photosynthetic and Photosynthesis-Related Responses of Japanese Native Trees to CO2: Results from Phytotrons, Open-Top Chambers, Natural CO2 Springs, and Free-Air CO2 Enrichment. Advances in Photosynthesis and Respiration, 2018, , 425-449.	1.0	1
149	Ethylenediurea Induces Hormesis in Plants. Dose-Response, 2018, 16, 155932581876528.	1.6	13
150	Biphasic effect of abscisic acid on plants: an hormetic viewpoint. Botany, 2018, 96, 637-642.	1.0	15
151	Environmental hormesis and its fundamental biological basis: Rewriting the history of toxicology. Environmental Research, 2018, 165, 274-278.	7.5	73
152	Human and veterinary antibiotics induce hormesis in plants: Scientific and regulatory issues and an environmental perspective. Environment International, 2018, 120, 489-495.	10.0	78
153	Should we see urban trees as effective solutions to reduce increasing ozone levels in cities?. Environmental Pollution, 2018, 243, 163-176.	7.5	119
154	Survival rate and shoot growth of grafted Dahurian larch (Larix gmelinii var. japonica): a comparison between Japanese larch (L. kaempferi) and F1hybrid larch (L. gmelinii var. japonica Ã— L. kaempferi) rootstocks. Silvae Genetica, 2018, 67, 111-116.	0.8	3
155	A Review Study on Ozone Phytotoxicity Metrics for Setting Critical Levels in Asia. Asian Journal of Atmospheric Environment, 2018, 12, 1-16.	1.1	37
156	Perspectives for elucidating the ethylenediurea (EDU) mode of action for protection against O 3 phytotoxicity. Ecotoxicology and Environmental Safety, 2017, 142, 530-537.	6.0	54
157	Application and further characterization of the snap bean S156/R123 ozone biomonitoring system in relation to ambient air temperature. Science of the Total Environment, 2017, 580, 1046-1055.	8.0	14
158	Ozone alters the feeding behavior of the leaf beetle Agelastica coerulea (Coleoptera: Chrysomelidae) into leaves of Japanese white birch (Betula platyphylla var. japonica). Environmental Science and Pollution Research, 2017, 24, 17577-17583.	5.3	20
159	Stem and crown growth of Japanese larch and its hybrid F1 grown in two soils and exposed to two free-air O3 regimes. Environmental Science and Pollution Research, 2017, 24, 6634-6647.	5.3	24
160	Foliar chemical composition of two oak species grown in a free-air enrichment system with elevated O₃ and CO₂. J Agricultural Meteorology, 2016, 72, 50-58.	1.5	16
161	Effects of CO₂ and O₃ on the interaction between root of woody plants and ectomycorrhizae. J Agricultural Meteorology, 2016, 72, 95-105.	1.5	31
162	Impact of elevated CO2 on root traits of a sapling community of three birches and an oak: a free-air-CO2 enrichment (FACE) in northern Japan. Trees - Structure and Function, 2016, 30, 353-362.	1.9	9

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163	High doses of ethylene diurea (EDU) are not toxic to willow and act as nitrogen fertilizer. Science of the Total Environment, 2016, 566-567, 841-850.	8.0	27
164	Impacts of ethylenediurea (EDU) soil drench and foliar spray in Salix sachalinensis protection against O3-induced injury. Science of the Total Environment, 2016, 573, 1053-1062.	8.0	22
165	Olive Oil for Dressing Plant Leaves so as to Avoid O3 Injury. Water, Air, and Soil Pollution, 2016, 227, 1.	2.4	35
166	A Review Study on Past 40ÂYears of Research on Effects of Tropospheric O3 on Belowground Structure, Functioning, and Processes of Trees: a Linkage with Potential Ecological Implications. Water, Air, and Soil Pollution, 2016, 227, 1.	2.4	75
167	Root Production of Fagus crenata Blume Saplings Grown in Two Soils and Exposed to Elevated CO2 Concentration: an 11-Year Free-Air-CO2 Enrichment (FACE) Experiment in Northern Japan. Water, Air, and Soil Pollution, 2016, 227, 1.	2.4	8
168	The first toxicological study of the antiozonant and research tool ethylene diurea (EDU) using a Lemna minor L. bioassay: Hints to its mode of action. Environmental Pollution, 2016, 213, 996-1006.	7.5	37
169	Ecophysiology of deciduous trees native to Northeast Asia grown under FACE (Free Air) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 5	1.5	28
170	Tropospheric O₃, the nightmare of wild plants: a review study. J Agricultural Meteorology, 2015, 71, 142-152.	1.5	50
171	Ethylene-di-urea (EDU), an effective phytoproctectant against O₃ deleterious effects and a valuable research tool. J Agricultural Meteorology, 2015, 71, 185-195.	1.5	40
172	Integrated assessment of ambient ozone phytotoxicity in Greece's Tripolis Plateau. J Agricultural Meteorology, 2015, 71, 55-64.	1.5	18
173	Screening agrochemicals as potential protectants of plants against ozone phytotoxicity. Environmental Pollution, 2015, 197, 247-255.	7.5	32
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