Evgenios Agathokleous

List of Publications by Year in Descending Order

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	Ozone pollution threatens the production of major staple crops in East Asia. *Nature Food*, **2022**, 3, 47-56	14.4	7
157	Agronomic Practices to Increase the Yield and Quality of Common Bean (Phaseolus vulgaris L.): A Systematic Review. *Agronomy*, **2022**, 12, 271	3.6	7
156	Hormesis induced by silver iodide, hydrocarbons, microplastics, pesticides, and pharmaceuticals: Implications for agroforestry ecosystems health.. *Science of the Total Environment*, **2022**, 820, 153116	10.2	4
155	Big data-based urban greenness in Chinese megalopolises and possible contribution to air quality control.. *Science of the Total Environment*, **2022**, 153834	10.2	2
154	The relevance of hormesis at higher levels of biological organization: Hormesis in microorganisms. *Current Opinion in Toxicology*, **2022**, 29, 1-9	4.4	6
153	The hormetic response of heart rate of fish embryos to contaminants - Implications for research and policy.. *Science of the Total Environment*, **2022**, 815, 152911	10.2	1
152	Whole-plant compensatory responses of isoprene emission from hybrid poplar seedlings exposed to elevated ozone. *Science of the Total Environment*, **2022**, 806, 150949	10.2	0
151	Ethylenediurea offers moderate protection against ozone-induced rice yield loss under high ozone pollution. *Science of the Total Environment*, **2022**, 806, 151341	10.2	3
150	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	9.3	2
149	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	7.9	2
148	Hormesis: A General Biological Principle.. *Chemical Research in Toxicology*, **2022**,	4	2
147	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.. *Frontiers in Plant Science*, **2022**, 13, 835068	6.2	1
146	Stem cells and hormesis. *Current Opinion in Toxicology*, **2022**, 30, 100340	4.4	1
145	Effects of elevated ozone on bacterial communities inhabiting the phyllo- and endo-spheres of rice plants.. *Science of the Total Environment*, **2022**, 830, 154705	10.2	
144	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	10.2	1
143	Effects of Ozone on Forests **2022**, 1-28		1
142	Hormesis is an evolutionary expectation: implications for aging.. *Biogerontology*, **2022**, 1	4.5	0

141	Modeling daily global solar radiation using only temperature data: Past, development, and future. *Renewable and Sustainable Energy Reviews*, **2022**, 163, 112511	16.2	3
140	Dissecting the combined effects of cultivar, fertilization, and irrigation on rhizosphere bacterial communities and nitrogen productivity in rice.. *Science of the Total Environment*, **2022**, 155534	10.2	0
139	Safeguarding food security: Hormesis-based plant priming to the rescue. *Current Opinion in Environmental Science and Health*, **2022**, 100374	8.1	0
138	Arthropod outbreaks, stressors and sublethal stress. *Current Opinion in Environmental Science and Health*, **2022**, 100371	8.1	1
137	HUMAN DENTAL PULP STEM CELLS AND HORMESIS. *Ageing Research Reviews*, **2021**, 101540	12	5
136	Estimating the no-observed-adverse-effect-level (NOAEL) of hormetic dose-response relationships in meta-data evaluations.. *MethodsX*, **2021**, 8, 101568	1.9	5
135	Atmospheric Pb induced hormesis in the accumulator plant Tillandsia usneoides.. *Science of the Total Environment*, **2021**, 811, 152384	10.2	2
134	Hormetic effects of zinc on growth and antioxidant defense system of wheat plants. *Science of the Total Environment*, **2021**, 807, 150992	10.2	10
133	An improved method to estimate actual vapor pressure without relative humidity data. *Agricultural and Forest Meteorology*, **2021**, 298-299, 108306	5.8	1
132	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	13.2	3
131	Urban population exposure to air pollution in Europe over the last decades. *Environmental Sciences Europe*, **2021**, 33, 28	5	38
130	Accumulator plants and hormesis. *Environmental Pollution*, **2021**, 274, 116526	9.3	14
129	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	5.7	8
128	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	10.2	1
127	Nonlinear responses of foliar phenylpropanoids to increasing O exposure: Ecological implications in a Populus model system. *Science of the Total Environment*, **2021**, 767, 144358	10.2	6
126	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	10.2	3
125	The role of bacterial communities in shaping Cd-induced hormesis in 'living' soil as a function of land-use change. *Journal of Hazardous Materials*, **2021**, 409, 124996	12.8	4
124	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	2.8	2

123	Hormesis: Transforming disciplines that rely on the dose response. *IUBMB Life*, **2021**,	4.7	10
122	Elevated CO2 offsets the alteration of foliar chemicals (n-icosane, geranyl acetate, and elixene) induced by elevated O3 in three taxa of O3-tolerant eucalypts. *Journal of Forestry Research*, **2021**, 32, 789-803	2	1
121	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	8.1	4
120	Chloroquine commonly induces hormetic dose responses. *Science of the Total Environment*, **2021**, 755, 142436	10.2	5
119	Interactive effects of ozone exposure and nitrogen addition on the rhizosphere bacterial community of poplar saplings. *Science of the Total Environment*, **2021**, 754, 142134	10.2	10
118	Constant ratio of C to C under various CO concentrations and light intensities, and during progressive drought, in seedlings of Japanese white birch. *Photosynthesis Research*, **2021**, 147, 27-37	3.7	5
117	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	10.2	10
116	The rise and fall of photosynthesis: hormetic dose response in plants. *Journal of Forestry Research*, **2021**, 32, 889-898	2	17
115	High nitrogen addition decreases the ozone flux by reducing the maximum stomatal conductance in poplar saplings. *Environmental Pollution*, **2021**, 272, 115979	9.3	2
114	Smoke-water commonly induces hormetic dose responses in plants. *Science of the Total Environment*, **2021**, 765, 142776	10.2	6
113	Pollen biology and hormesis: Pollen germination and pollen tube elongation. *Science of the Total Environment*, **2021**, 762, 143072	10.2	5
112	China: The New Powerhouse of Hormesis Research?. *Dose-Response*, **2021**, 19, 1559325821995655	2.3	0
111	The hormetic dose response: implications for risk assessment **2021**, 139-146		
110	Emerging challenges of ozone impacts on asian plants: actions are needed to protect ecosystem health. *Ecosystem Health and Sustainability*, **2021**, 7, 1911602	3.7	10
109	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	12.8	5
108	Formaldehyde: Another hormesis-inducing chemical. *Environmental Research*, **2021**, 199, 111395	7.9	5
107	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	10.2	8
106	Forest management required for consistent carbon sink in China forest plantations. *Forest Ecosystems*, **2021**, 8,	3.8	2

105	Ecological risks in a 'plastic' world: A threat to biological diversity?. *Journal of Hazardous Materials*, **2021**, 417, 126035	12.8	21
104	Ferulic acid and hormesis: Biomedical and environmental implications. *Mechanisms of Ageing and Development*, **2021**, 198, 111544	5.6	9
103	US EPA: Is there room to open a new window for evaluating potential sub-threshold effects and ecological risks?. *Environmental Pollution*, **2021**, 284, 117372	9.3	4
102	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	7.9	5
101	A gift from parent to offspring: transgenerational hormesis. *Trends in Plant Science*, **2021**, 26, 1098-1100	13.1	8
100	Enhanced diversity and rock-weathering potential of bacterial communities inhabiting potash trachyte surface beneath mosses and lichens - A case study in Nanjing, China. *Science of the Total Environment*, **2021**, 785, 147357	10.2	2
99	Micro/nanoplastics effects on organisms: A review focusing on 'dose'. *Journal of Hazardous Materials*, **2021**, 417, 126084	12.8	23
98	Luteolin and hormesis. *Mechanisms of Ageing and Development*, **2021**, 199, 111559	5.6	5
97	Seed-borne fungal endophytes constrain reproductive success of host plants under ozone pollution. *Environmental Research*, **2021**, 202, 111773	7.9	5
96	Metformin-enhances resilience via hormesis. *Ageing Research Reviews*, **2021**, 71, 101418	12	3
95	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	10.2	12
94	Hormesis Shifts the No-Observed-Adverse-Effect Level (NOAEL). *Dose-Response*, **2021**, 19, 15593258211001667	2.9	4
93	Developing Ozone Risk Assessment for Larch Species. *Frontiers in Forests and Global Change*, **2020**, 3,	3.7	5
92	Environmental toxicology and ecotoxicology: How clean is clean? Rethinking dose-response analysis. *Science of the Total Environment*, **2020**, 746, 138769	10.2	14
91	Amplified ozone pollution in cities during the COVID-19 lockdown. *Science of the Total Environment*, **2020**, 735, 139542	10.2	314
90	Hormesis: Highly Generalizable and Beyond Laboratory. *Trends in Plant Science*, **2020**, 25, 1076-1086	13.1	59
89	Impacts of forest management intensity on carbon accumulation of China's forest plantations. *Forest Ecology and Management*, **2020**, 472, 118252	3.9	3
88	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". *Environmental Research*, **2020**, 186, 109559	7.9	15

87	Ozone Effects on Vegetation: A Walk from Cells to Ecosystems. *Handbook of Environment and Waste Management*, **2020**, 357-396	0.4	4
86	Ground-Level Ozone Profile and the Role of Plants as Sources and Sinks. *Handbook of Environment and Waste Management*, **2020**, 281-324	0.4	1
85	Ambient Ozone Alternative Monitoring and Biomonitoring with Higher Plants. *Handbook of Environment and Waste Management*, **2020**, 325-356	0.4	
84	An Environmental Perspective on Health. *Healthy Ageing and Longevity*, **2020**, 371-382	0.5	1
83	Ozone biomonitoring: A versatile tool for science, education and regulation. *Current Opinion in Environmental Science and Health*, **2020**, 18, 7-13	8.1	5
82	Hydrocarbon-induced hormesis: 101 years of evidence at the margin?. *Environmental Pollution*, **2020**, 265, 114846	9.3	17
81	Plant susceptibility to ozone: A tower of Babel?. *Science of the Total Environment*, **2020**, 703, 134962	10.2	7
80	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	2	5
79	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	10.2	14
78	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	2.8	8
77	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	5.1	9
76	A global environmental health perspective and optimisation of stress. *Science of the Total Environment*, **2020**, 704, 135263	10.2	67
75	Nano-pesticides: A great challenge for biodiversity? The need for a broader perspective. *Nano Today*, **2020**, 30, 100808	17.9	32
74	Ozone weekend effect in cities: Deep insights for urban air pollution control. *Environmental Research*, **2020**, 191, 110193	7.9	35
73	On the atmospheric ozone monitoring methodologies. *Current Opinion in Environmental Science and Health*, **2020**, 18, 40-46	8.1	3
72	Does Green Tea Induce Hormesis?. *Dose-Response*, **2020**, 18, 1559325820936170	2.3	20
71	Ozone affects plant, insect, and soil microbial communities: A threat to terrestrial ecosystems and biodiversity. *Science Advances*, **2020**, 6, eabc1176	14.3	66
70	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*, **2020**, 32, 1-11	2	4

69	Behavioral impacts of a mixture of six pesticides on rats. *Science of the Total Environment*, **2020**, 727, 138491	10.2	19
68	Chlorophyll hormesis: Are chlorophylls major components of stress biology in higher plants?. *Science of the Total Environment*, **2020**, 726, 138637	10.2	61
67	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	5.7	11
66	Light Energy Partitioning under Various Environmental Stresses Combined with Elevated CO2 in Three Deciduous Broadleaf Tree Species in Japan. *Climate*, **2019**, 7, 79	3.1	6
65	Ozone-induced impairment of night-time stomatal closure in O-sensitive poplar clone is affected by nitrogen but not by phosphorus enrichment. *Science of the Total Environment*, **2019**, 692, 713-722	10.2	17
64	A quantitative assessment of hormetic responses of plants to ozone. *Environmental Research*, **2019**, 176, 108527	7.9	23
63	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	4.4	7
62	Stress response and population dynamics: Is Allee effect hormesis?. *Science of the Total Environment*, **2019**, 682, 623-628	10.2	10
61	Temperature-induced hormesis in plants. *Journal of Forestry Research*, **2019**, 30, 13-20	2	28
60	Hormesis can enhance agricultural sustainability in a changing world. *Global Food Security*, **2019**, 20, 150-155	8.5	34
59	Hormesis: A Compelling Platform for Sophisticated Plant Science. *Trends in Plant Science*, **2019**, 24, 318-327	13.1	84
58	On the Nonmonotonic, Hormetic Photoprotective Response of Plants to Stress. *Dose-Response*, **2019**, 17, 1559325819838420	2.3	17
57	The two faces of nanomaterials: A quantification of hormesis in algae and plants. *Environment International*, **2019**, 131, 105044	12.9	67
56	Ozone will remain a threat for plants independently of nitrogen load. *Functional Ecology*, **2019**, 33, 1854-1870	5.6	23
55	Hormesis: The dose response for the 21st century: The future has arrived. *Toxicology*, **2019**, 425, 152249	4.4	56
54	Re-analysis of herbal extracts data reveals that inflammatory processes are mediated by hormetic mechanisms. *Chemico-Biological Interactions*, **2019**, 314, 108844	5	6
53	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	10.2	64
52	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	2	47

51	New insights into the role of melatonin in plants and animals. *Chemico-Biological Interactions*, **2019**, 299, 163-167	5	25
50	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	2.7	2
49	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	9.3	25
48	Building Biological Shields via Hormesis. *Trends in Pharmacological Sciences*, **2019**, 40, 8-10	13.2	21
47	Estimating the range of the maximum hormetic stimulatory response. *Environmental Research*, **2019**, 170, 337-343	7.9	65
46	Trends and inter-relationships of ground-level ozone metrics and forest health in Lithuania. *Science of the Total Environment*, **2019**, 658, 1265-1277	10.2	20
45	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	10.2	7
44	Hormetic dose responses induced by lanthanum in plants. *Environmental Pollution*, **2019**, 244, 332-341	9.3	55
43	Growth and nutrition of Agelastica coerulea (Coleoptera: Chrysomelidae) larvae changed when fed with leaves obtained from an O-enriched atmosphere. *Environmental Science and Pollution Research* , **2018**, 25, 13186-13194	5.1	9
42	Emission of volatile organic compounds from plants shows a biphasic pattern within an hormetic context. *Environmental Pollution*, **2018**, 239, 318-321	9.3	19
41	Effects of ozone (O) and ethylenediurea (EDU) on the ecological stoichiometry of a willow grown in a free-air exposure system. *Environmental Pollution*, **2018**, 238, 663-676	9.3	12
40	Canopy nitrogen distribution is optimized to prevent photoinhibition throughout the canopy during sun flecks. *Scientific Reports*, **2018**, 8, 503	4.9	14
39	Environmental hormesis, a fundamental non-monotonic biological phenomenon with implications in ecotoxicology and environmental safety. *Ecotoxicology and Environmental Safety*, **2018**, 148, 1042-1053	7	80
38	Springtime photoinhibition constrains regeneration of forest floor seedlings of Abies sachalinensis after a removal of canopy trees during winter. *Scientific Reports*, **2018**, 8, 6310	4.9	5
37	The rare earth element (REE) lanthanum (La) induces hormesis in plants. *Environmental Pollution*, **2018**, 238, 1044-1047	9.3	52
36	Growth and photosynthetic response of two larches exposed to O3 mixing ratios ranging from preindustrial to near future. *Photosynthetica*, **2018**, 56, 901-910	2.2	23
35	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	10.2	13
34	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	7	5

33	Ethylenediurea Induces Hormesis in Plants. *Dose-Response*, **2018**, 16, 1559325818765280	2.3	10
32	Biphasic effect of abscisic acid on plants: an hormetic viewpoint. *Botany*, **2018**, 96, 637-642	1.3	12
31	Environmental hormesis and its fundamental biological basis: Rewriting the history of toxicology. *Environmental Research*, **2018**, 165, 274-278	7.9	57
30	Human and veterinary antibiotics induce hormesis in plants: Scientific and regulatory issues and an environmental perspective. *Environment International*, **2018**, 120, 489-495	12.9	49
29	Should we see urban trees as effective solutions to reduce increasing ozone levels in cities?. *Environmental Pollution*, **2018**, 243, 163-176	9.3	77
28	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 □L. kaempferi) rootstocks. *Silvae Genetica*, **2018**, 67, 111-116	1.1	2
27	A Review Study on Ozone Phytotoxicity Metrics for Setting Critical Levels in Asia. *Asian Journal of Atmospheric Environment*, **2018**, 12, 1-16	1.3	28
26	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	5.1	4
25	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	1.7	1
24	Perspectives for elucidating the ethylenediurea (EDU) mode of action for protection against O phytotoxicity. *Ecotoxicology and Environmental Safety*, **2017**, 142, 530-537	7	40
23	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	10.2	13
22	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	5.1	15
21	Stem and crown growth of Japanese larch and its hybrid F grown in two soils and exposed to two free-air O regimes. *Environmental Science and Pollution Research*, **2017**, 24, 6634-6647	5.1	21
20	A Review Study on Past 40 Years 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	2.6	57
19	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	2.6	7
18	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	9.3	34
17	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	1.1	11
16	Effects of CO2 and O3 on the interaction between root of woody plants and ectomycorrhizae. *J Agricultural Meteorology*, **2016**, 72, 95-105	1.1	24

15	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	2.6	8
14	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	10.2	21
13	Impacts of ethylenediurea (EDU) soil drench and foliar spray in Salix sachalinensis protection against O-induced injury. *Science of the Total Environment*, **2016**, 573, 1053-1062	10.2	21
12	Olive Oil for Dressing Plant Leaves so as to Avoid O3 Injury. *Water, Air, and Soil Pollution*, **2016**, 227, 1	2.6	29
11	Screening agrochemicals as potential protectants of plants against ozone phytotoxicity. *Environmental Pollution*, **2015**, 197, 247-255	9.3	26
10	Ecophysiology of deciduous trees native to Northeast Asia grown under FACE (Free Air CO2 Enrichment). *J Agricultural Meteorology*, **2015**, 71, 174-184	1.1	22
9	Tropospheric O3, the nightmare of wild plants: a review study. *J Agricultural Meteorology*, **2015**, 71, 142-152	1.1	40
8	Ethylene-di-urea (EDU), an effective phytoproctectant against O3 deleterious effects and a valuable research tool. *J Agricultural Meteorology*, **2015**, 71, 185-195	1.1	34
7	Integrated assessment of ambient ozone phytotoxicity in Greece's Tripolis Plateau. *J Agricultural Meteorology*, **2015**, 71, 55-64	1.1	18
6	Evaluation of Di-1-p-Menthene as Antiozonant on Bel-W3 Tobacco Plants, as Compared with Ethylenediurea. *Water, Air, and Soil Pollution*, **2014**, 225, 1	2.6	15
5	Screening of Bangladeshi winter wheat (Triticum aestivum L.) cultivars for sensitivity to ozone. *Environmental Science and Pollution Research*, **2014**, 21, 13560-71	5.1	32
4	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*,1	2	3
3	Ethylenediurea (EDU) effects on hybrid larch saplings exposed to ambient or elevated ozone over three growing seasons. *Journal of Forestry Research*,1	2	3
2	European Union's imminent ban on glyphosate: Hormesis should be considered in new chemical screening and selection. *Journal of Forestry Research*,	2	1
1	Strategic roadmap to assess forest vulnerability under air pollution and climate change. *Global Change Biology*,	11.4	5