Regina G Belz

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6101892/publications.pdf

Version: 2024-02-01

32 papers	1,535 citations	304743 22 h-index	414414 32 g-index
32 all docs	32 docs citations	32 times ranked	1378 citing authors

#	Article	IF	Citations
1	Modelling biphasic hormetic dose responses to predict sub-NOAEL effects using plant biology as an example. Current Opinion in Toxicology, 2022, 29, 36-42.	5.0	27
2	The potential influence of hormesis on evolution of resistance to herbicides. Current Opinion in Environmental Science and Health, 2022, , 100360.	4.1	18
3	Detection of Multiâ€Protein Complexes Containing PCNA Using Fluorescence Anisotropy and Hormetic Modeling. FASEB Journal, 2022, 36, .	0.5	1
4	Stepping beyond hormesis modeling and sub-NOAEL predictions in plant biology. Current Opinion in Environmental Science and Health, 2022, 28, 100366.	4.1	4
5	Low glyphosate doses change reproduction and produce tolerant offspring in dense populations of <scp>Hordeum vulgare</scp>. Pest Management Science, 2021, 77, 4770-4784.	3.4	18
6	Low herbicide doses can change the responses of weeds to subsequent treatments in the next generation: metamitron exposed <scp>PSII</scp>â€targetâ€site resistant <scp>Chenopodium album</scp> as a case study. Pest Management Science, 2020, 76, 3056-3065.	3.4	24
7	Low toxin doses change plant size distribution in dense populations â€“ Glyphosate exposed Hordeum vulgare as a greenhouse case study. Environment International, 2019, 132, 105072.	10.0	25
8	Realistic low-doses of two emerging contaminants change size distribution of an annual flowering plant population. Ecotoxicology, 2019, 28, 732-743.	2.4	6
9	A quantitative assessment of hormetic responses of plants to ozone. Environmental Research, 2019, 176, 108527.	7.5	35
10	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
11	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
12	Does selective hormesis impact herbicide resistance evolution in weeds? ACCaseâ€resistant populations of <scp>Alopecurus myosuroides</scp> Huds. as a case study. Pest Management Science, 2018, 74, 1880-1891.	3.4	21
13	Low doses of six toxicants change plant size distribution in dense populations of Lactuca sativa. Science of the Total Environment, 2018, 631-632, 510-523.	8.0	28
14	Enhancing and Extending Biological Performance and Resilience. Dose-Response, 2018, 16, 155932581878450.	1.6	57
15	Herbicide hormesis can act as a driver of resistance evolution in weeds â€“ PSIIâ€target site resistance in Chenopodium album L. as a case study. Pest Management Science, 2018, 74, 2874-2883.	3.4	24
16	Predicting biphasic responses in binary mixtures: Pelargonic acid versus glyphosate. Chemosphere, 2017, 178, 88-98.	8.2	33
17	Herbicide-Mediated Hormesis. ACS Symposium Series, 2017, , 135-148.	0.5	19
18	Selective toxin effects on faster and slower growing individuals in the formation of hormesis at the population level â€” A case study with Lactuca sativa and PCIB. Science of the Total Environment, 2016, 566-567, 1205-1214.	8.0	18

#	Article	IF	Citations
19	Investigating a Potential Auxin-Related Mode of Hormetic/Inhibitory Action of the Phytotoxin Parthenin. Journal of Chemical Ecology, 2016, 42, 71-83.	1.8	11
20	Plants Release Precursors of Histone Deacetylase Inhibitors to Suppress Growth of Competitors. Plant Cell, 2015, 27, 3175-3189.	6.6	86
21	Statistical modeling of the hormetic dose zone and the toxic potency completes the quantitative description of hormetic dose responses. Environmental Toxicology and Chemistry, 2015, 34, 1169-1177.	4.3	27
22	Interspecies Variability of Plant Hormesis by the Antiauxin PCIB in a Laboratory Bioassay. Journal of Plant Growth Regulation, 2014, 33, 499-512.	5.1	15
23	Herbicides and plant hormesis. Pest Management Science, 2014, 70, 698-707.	3.4	149
24	Modeling Effective Dosages in Hormetic Dose-Response Studies. PLoS ONE, 2012, 7, e33432.	2.5	58
25	Parthenin hormesis in plants depends on growth conditions. Environmental and Experimental Botany, 2010, 69, 293-301.	4.2	73
26	Soil Degradation of Partheninâ€"Does it Contradict the Role of Allelopathy in the Invasive Weed Parthenium hysterophorus L.?. Journal of Chemical Ecology, 2009, 35, 1137-1150.	1.8	31
27	Hormesis in mixtures â€" Can it be predicted?. Science of the Total Environment, 2008, 404, 77-87.	8.0	87
28	Stimulation Versus Inhibitionâ€"Bioactivity of Parthenin, a Phytochemical from Parthenium Hysterophorus L.. Dose-Response, 2008, 6, 80-96.	1.6	52
29	Residue allelopathy in Parthenium hysterophorus L.â€"Does parthenin play a leading role?. Crop Protection, 2007, 26, 237-245.	2.1	98
30	Dose-Responseâ€"A Challenge for Allelopathy?. Nonlinearity in Biology, Toxicology, Medicine, 2005, 3, nonlin.003.02.0.	0.4	60
31	A Novel Laboratory Screening Bioassay for Crop Seedling Allelopathy. Journal of Chemical Ecology, 2004, 30, 175-198.	1.8	72
32	Weed Suppression by Release of Isothiocyanates from Turnipâ€Rape Mulch. Agronomy Journal, 2001, 93, 37-43.	1.8	179