

Regina G Belz

List of Publications by Year in descending order

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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	Weed Suppression by Release of Isothiocyanates from Turnip Rape Mulch. <i>Agronomy Journal</i> , 2001, 93, 37-43.	1.8	179
2	Herbicides and plant hormesis. <i>Pest Management Science</i> , 2014, 70, 698-707.	3.4	149
3	Residue allelopathy in <i>Parthenium hysterophorus</i> L. "Does parthenin play a leading role?. <i>Crop Protection</i> , 2007, 26, 237-245.	2.1	98
4	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.	8.0	97
5	Hormesis in mixtures " Can it be predicted?. <i>Science of the Total Environment</i> , 2008, 404, 77-87.	8.0	87
6	Plants Release Precursors of Histone Deacetylase Inhibitors to Suppress Growth of Competitors. <i>Plant Cell</i> , 2015, 27, 3175-3189.	6.6	86
7	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.	3.6	82
8	Parthenin hormesis in plants depends on growth conditions. <i>Environmental and Experimental Botany</i> , 2010, 69, 293-301.	4.2	73
9	A Novel Laboratory Screening Bioassay for Crop Seedling Allelopathy. <i>Journal of Chemical Ecology</i> , 2004, 30, 175-198.	1.8	72
10	Dose-Response "A Challenge for Allelopathy?. <i>Nonlinearity in Biology, Toxicology, Medicine</i> , 2005, 3, nonlin.003.02.0.	0.4	60
11	Modeling Effective Dosages in Hormetic Dose-Response Studies. <i>PLoS ONE</i> , 2012, 7, e33432.	2.5	58
12	Enhancing and Extending Biological Performance and Resilience. <i>Dose-Response</i> , 2018, 16, 155932581878450.	1.6	57
13	Stimulation Versus Inhibition "Bioactivity of Parthenin, a Phytochemical from <i>Parthenium Hysterophorus</i> L.. <i>Dose-Response</i> , 2008, 6, 80-96.	1.6	52
14	A quantitative assessment of hormetic responses of plants to ozone. <i>Environmental Research</i> , 2019, 176, 108527.	7.5	35
15	Predicting biphasic responses in binary mixtures: Pelargonic acid versus glyphosate. <i>Chemosphere</i> , 2017, 178, 88-98.	8.2	33
16	Soil Degradation of Parthenin "Does it Contradict the Role of Allelopathy in the Invasive Weed <i>Parthenium hysterophorus</i> L.?. <i>Journal of Chemical Ecology</i> , 2009, 35, 1137-1150.	1.8	31
17	Low doses of six toxicants change plant size distribution in dense populations of <i>Lactuca sativa</i> . <i>Science of the Total Environment</i> , 2018, 631-632, 510-523.	8.0	28
18	Statistical modeling of the hormetic dose zone and the toxic potency completes the quantitative description of hormetic dose responses. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 1169-1177.	4.3	27

#	ARTICLE	IF	CITATIONS
19	Modelling biphasic hormetic dose responses to predict sub-NOAEL effects using plant biology as an example. <i>Current Opinion in Toxicology</i> , 2022, 29, 36-42.	5.0	27
20	Low toxin doses change plant size distribution in dense populations â€“ Glyphosate exposed <i>Hordeum vulgare</i> as a greenhouse case study. <i>Environment International</i> , 2019, 132, 105072.	10.0	25
21	Herbicide hormesis can act as a driver of resistance evolution in weeds â€“ PSIIâ€“target site resistance in <i>Chenopodium album</i> L. as a case study. <i>Pest Management Science</i> , 2018, 74, 2874-2883.	3.4	24
22	Low herbicide doses can change the responses of weeds to subsequent treatments in the next generation: metamitron exposed PSIIâ€“target site resistant <i>Chenopodium album</i> as a case study. <i>Pest Management Science</i> , 2020, 76, 3056-3065.	3.4	24
23	Does selective hormesis impact herbicide resistance evolution in weeds? ACCaseâ€“resistant populations of <i>Alopecurus myosuroides</i> Huds. as a case study. <i>Pest Management Science</i> , 2018, 74, 1880-1891.	3.4	21
24	Herbicide-Mediated Hormesis. <i>ACS Symposium Series</i> , 2017, , 135-148.	0.5	19
25	Selective toxin effects on faster and slower growing individuals in the formation of hormesis at the population level â€“ A case study with <i>Lactuca sativa</i> and PCB. <i>Science of the Total Environment</i> , 2016, 566-567, 1205-1214.	8.0	18
26	Low glyphosate doses change reproduction and produce tolerant offspring in dense populations of <i>Hordeum vulgare</i> . <i>Pest Management Science</i> , 2021, 77, 4770-4784.	3.4	18
27	The potential influence of hormesis on evolution of resistance to herbicides. <i>Current Opinion in Environmental Science and Health</i> , 2022, , 100360.	4.1	18
28	Interspecies Variability of Plant Hormesis by the Antiauxin PCB in a Laboratory Bioassay. <i>Journal of Plant Growth Regulation</i> , 2014, 33, 499-512.	5.1	15
29	Investigating a Potential Auxin-Related Mode of Hormetic/Inhibitory Action of the Phytotoxin Parthenin. <i>Journal of Chemical Ecology</i> , 2016, 42, 71-83.	1.8	11
30	Realistic low-doses of two emerging contaminants change size distribution of an annual flowering plant population. <i>Ecotoxicology</i> , 2019, 28, 732-743.	2.4	6
31	Stepping beyond hormesis modeling and sub-NOAEL predictions in plant biology. <i>Current Opinion in Environmental Science and Health</i> , 2022, 28, 100366.	4.1	4
32	Detection of Multiâ€“Protein Complexes Containing PCNA Using Fluorescence Anisotropy and Hormetic Modeling. <i>FASEB Journal</i> , 2022, 36, .	0.5	1