

Jens Carl Streibig

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

6,408
citations

186254

28
h-index

110368

64
g-index

67
all docs

67
docs citations

67
times ranked

8216
citing authors

#	ARTICLE	IF	CITATIONS
1	The Survival Response of Earthworm (<i>Eisenia fetida</i> L.) to Individual and Binary Mixtures of Herbicides. <i>Toxics</i> , 2022, 10, 320.	3.7	3
2	How to use statistics to claim antagonism and synergism from binary mixture experiments. <i>Pest Management Science</i> , 2021, 77, 3890-3899.	3.4	14
3	Effect of drought stress on herbicide performance and photosynthetic activity of <i>Avena sterilis</i> subsp. <i>ludoviciana</i> (winter wild oat) and <i>Hordeum spontaneum</i> (wild barley). <i>Weed Research</i> , 2021, 61, 288-297.	1.7	8
4	The Joint Action of Some Broadleaf Herbicides on Potato (<i>Solanum tuberosum</i> L.) Weeds and Photosynthetic Performance of Potato. <i>Agriculture (Switzerland)</i> , 2021, 11, 1103.	3.1	5
5	Effect of water deficit stress on benzoylprop-ethyl performance and physiological traits of winter wild oat (<i>Avena sterilis</i> subsp. <i>ludoviciana</i>). <i>Crop Protection</i> , 2020, 137, 105292.	2.1	5
6	<i>bmd</i> : an R package for benchmark dose estimation. <i>PeerJ</i> , 2020, 8, e10557.	2.0	14
7	Improved two-step analysis of germination data from complex experimental designs. <i>Seed Science Research</i> , 2020, 30, 194-198.	1.7	6
8	Assessing herbicide symptoms by using a logarithmic field sprayer. <i>Pest Management Science</i> , 2019, 75, 1166-1171.	3.4	1
9	A note on the analysis of germination data from complex experimental designs. <i>Seed Science Research</i> , 2017, 27, 321-327.	1.7	22
10	Dose, Drift, and Non-Target Organisms. <i>ACS Symposium Series</i> , 2017, , 25-45.	0.5	2
11	Evaluation of four different crops' sensitivity to sulfosulfuron and tribenuron methyl soil residues. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2016, 66, 706-713.	0.6	10
12	Dose-Response Analysis Using R. <i>PLoS ONE</i> , 2015, 10, e0146021.	2.5	2,265
13	Research Methods in Weed Science: Statistics. <i>Weed Science</i> , 2015, 63, 166-187.	1.5	47
14	Re-evaluation of groundwater monitoring data for glyphosate and bentazone by taking detection limits into account. <i>Science of the Total Environment</i> , 2015, 536, 68-71.	8.0	10
15	From additivity to synergism – A modelling perspective. <i>Synergy</i> , 2014, 1, 22-29.	1.1	24
16	Detecting ALS and ACCase herbicide tolerant accession of <i>Echinochloa oryzoides</i> (Ard.) Fritsch. in rice (<i>Oryza sativa</i> L.) fields. <i>Crop Protection</i> , 2014, 65, 202-206.	2.1	14
17	Overexpression of <i>epsp</i> transgene in weedy rice: insufficient evidence to support speculations about biosafety. <i>New Phytologist</i> , 2014, 202, 360-362.	7.3	9
18	Review: Confirmation of Resistance to Herbicides and Evaluation of Resistance Levels. <i>Weed Science</i> , 2013, 61, 4-20.	1.5	164

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19	Use of Image Analysis to Assess Color Response on Plants Caused by Herbicide Application. <i>Weed Technology</i> , 2013, 27, 604-611.	0.9	16
20	Analysis of germination data from agricultural experiments. <i>European Journal of Agronomy</i> , 2013, 45, 1-6.	4.1	115
21	Yield loss prediction models based on early estimation of weed pressure. <i>Crop Protection</i> , 2013, 53, 125-131.	2.1	27
22	Biomass, Fecundity, and Interference Ability of Multiple Herbicide-Resistant and -Susceptible Late Watergrass (<i>Echinochloa phyllopogon</i>). <i>Weed Science</i> , 2012, 60, 401-410.	1.5	8
23	Tolerance of two <i>Bifora radians</i> Bieb populations to ALS inhibitors in winter wheat. <i>Pest Management Science</i> , 2012, 68, 116-122.	3.4	7
24	Response of two catchweed bedstraw (<i>Galium aparine</i>) populations to post-emergence herbicides in winter wheat. <i>International Journal of Pest Management</i> , 2011, 57, 347-356.	1.8	5
25	A Random Effects Model for Binary Mixture Toxicity Experiments. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2010, 15, 562-577.	1.4	3
26	Using a selectivity index to evaluate logarithmic spraying in grass seed crops. <i>Pest Management Science</i> , 2009, 65, 1257-1262.	3.4	29
27	Functional Regression Analysis of Fluorescence Curves. <i>Biometrics</i> , 2009, 65, 609-617.	1.4	4
28	Chemical stress can increase crop yield. <i>Field Crops Research</i> , 2009, 114, 54-57.	5.1	77
29	A review of independent action compared to concentration addition as reference models for mixtures of compounds with different molecular target sites. <i>Environmental Toxicology and Chemistry</i> , 2008, 27, 1621-1632.	4.3	272
30	The Occurrence of Hormesis in Plants and Algae. <i>Dose-Response</i> , 2007, 5, dose-response.0.	1.6	168
31	Is mixture toxicity measured on a biomarker indicative of what happens on a population level? A study with <i>Lemna minor</i> . <i>Ecotoxicology and Environmental Safety</i> , 2007, 67, 323-332.	6.0	34
32	Combination effects of herbicides on plants and algae: do species and test systems matter?. <i>Pest Management Science</i> , 2007, 63, 282-295.	3.4	57
33	Monitoring the efficacy and metabolism of phenylcarbamates in sugar beet and black nightshade by chlorophyll fluorescence parameters. <i>Pest Management Science</i> , 2007, 63, 576-585.	3.4	19
34	Utilizing R Software Package for Dose-Response Studies: The Concept and Data Analysis. <i>Weed Technology</i> , 2007, 21, 840-848.	0.9	396
35	REPRODUCIBILITY OF BINARY-MIXTURE TOXICITY STUDIES. <i>Environmental Toxicology and Chemistry</i> , 2007, 26, 149.	4.3	75
36	An isobole-based statistical model and test for synergism/antagonism in binary mixture toxicity experiments. <i>Environmental and Ecological Statistics</i> , 2007, 14, 383-397.	3.5	70

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37	Relative potency in nonsimilar dose-response curves. <i>Weed Science</i> , 2006, 54, 407-412.	1.5	70
38	Is prochloraz a potent synergist across aquatic species? A study on bacteria, daphnia, algae and higher plants. <i>Aquatic Toxicology</i> , 2006, 78, 243-252.	4.0	81
39	Activities of mixtures of soil-applied herbicides with different molecular targets. <i>Pest Management Science</i> , 2006, 62, 1092-1097.	3.4	16
40	CAN THE CHOICE OF ENDPOINT LEAD TO CONTRADICTIONARY RESULTS OF MIXTURE-TOXICITY EXPERIMENTS?. <i>Environmental Toxicology and Chemistry</i> , 2005, 24, 1676.	4.3	80
41	IMPROVED EMPIRICAL MODELS DESCRIBING HORMESIS. <i>Environmental Toxicology and Chemistry</i> , 2005, 24, 3166.	4.3	179
42	The toxicity of herbicides to non-target aquatic plants and algae: assessment of predictive factors and hazard. <i>Pest Management Science</i> , 2005, 61, 1152-1160.	3.4	138
43	Efficacy and Costs of Handheld Sprayers in the Subhumid Savanna for Cogongrass Control. <i>Weed Technology</i> , 2005, 19, 568-574.	0.9	8
44	Does the effect of herbicide pulse exposure on aquatic plants depend on Kow or mode of action?. <i>Aquatic Toxicology</i> , 2005, 71, 261-271.	4.0	66
45	Clodinafop changes the chlorophyll fluorescence induction curve. <i>Weed Science</i> , 2005, 53, 1-9.	1.5	23
46	Bioassay Analysis using R^2 . <i>Journal of Statistical Software</i> , 2005, 12, .	3.7	1,068
47	Nonlinear Mixed-Model Regression to Analyze Herbicide Dose-Response Relationships1. <i>Weed Technology</i> , 2004, 18, 30-37.	0.9	42
48	Species-specific sensitivity of aquatic macrophytes towards two herbicide. <i>Ecotoxicology and Environmental Safety</i> , 2004, 58, 314-323.	6.0	50
49	Sensitivity of aquatic plants to the herbicide metsulfuron-methyl. <i>Ecotoxicology and Environmental Safety</i> , 2004, 57, 153-161.	6.0	52
50	Linking fluorescence induction curve and biomass in herbicide screening. <i>Pest Management Science</i> , 2003, 59, 1303-1310.	3.4	58
51	PSII Inhibitory Activity of Resorcinolic Lipids from <i>Sorghum bicolor</i> . <i>Journal of Natural Products</i> , 2003, 66, 42-45.	3.0	36
52	Joint action of phenolic acid mixtures and its significance in allelopathy research. <i>Physiologia Plantarum</i> , 2002, 114, 422-428.	5.2	80
53	Bioavailability of triazine herbicides in a sandy soil profile. <i>Biology and Fertility of Soils</i> , 2001, 33, 501-506.	4.3	22
54	Wheat (<i>Triticum aestivum</i>) Interference with Seedling Growth of Perennial Ryegrass (<i>Lolium perenne</i>): Influence of Density and Age1. <i>Weed Technology</i> , 2001, 15, 807-812.	0.9	11

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55	Simulating weed management in glyphosate-tolerant crops: greenhouse and field studies. <i>Pest Management Science</i> , 2000, 56, 340-344.	3.4	5
56	Applicability of ELISA for determination of metsulfuron-methyl in soil samples. <i>Pest Management Science</i> , 2000, 56, 637-643.	3.4	4
57	The Effect of Ultraviolet Radiation on the Fresh Weight of Some Weeds and Crops. <i>Weed Technology</i> , 1999, 13, 554-560.	0.9	27
58	Joint action of natural and synthetic photosystem II inhibitors. <i>Pest Management Science</i> , 1999, 55, 137-146.	0.4	40
59	Analysis of Metsulfuron-methyl in Soil by Liquid Chromatography/Tandem Mass Spectrometry. Application to a Field Dissipation Study. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 4462-4468.	5.2	26
60	A general joint action model for herbicide mixtures. <i>Pest Management Science</i> , 1998, 53, 21-28.	0.4	62
61	Accumulation of Shikimic Acid: A Technique for Screening Glyphosate Efficacy. <i>Journal of Agricultural and Food Chemistry</i> , 1998, 46, 4406-4412.	5.2	71
62	Analysis of Sulfonylurea Herbicides in Soil Water at Sub-Part-Per-Biffion Levels by Electrospray Negative Ionization Mass Spectrometry Followed by Confirmatory Tandem Mass Spectrometry. <i>Journal of AOAC INTERNATIONAL</i> , 1998, 81, 775-784.	1.5	19
63	A general joint action model for herbicide mixtures. <i>Pest Management Science</i> , 1998, 53, 21-28.	0.4	2
64	Foliar absorption of some glyphosate formulations and their efficacy on plants. <i>Pest Management Science</i> , 1995, 44, 107-116.	0.4	23
65	Dose-Response Analysis Using R. , 0, , .		44