

# Stephen O Duke

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

254 papers	12,911 citations	60 h-index	107 g-index
278 ext. papers	14,756 ext. citations	3.7 avg, IF	7.08 L-index

#	Paper	IF	Citations
254	Glyphosate: a once-in-a-century herbicide. <i>Pest Management Science</i> , <b>2008</b> , 64, 319-25	4.6	946
253	Natural products in crop protection. <i>Bioorganic and Medicinal Chemistry</i> , <b>2009</b> , 17, 4022-34	3.4	735
252	Biological stress response terminology: Integrating the concepts of adaptive response and preconditioning stress within a hormetic dose-response framework. <i>Toxicology and Applied Pharmacology</i> , <b>2007</b> , 222, 122-8	4.6	512
251	Natural products as sources for new pesticides. <i>Journal of Natural Products</i> , <b>2012</b> , 75, 1231-42	4.9	347
250	Why have no new herbicide modes of action appeared in recent years?. <i>Pest Management Science</i> , <b>2012</b> , 68, 505-12	4.6	337
249	Natural products that have been used commercially as crop protection agents. <i>Pest Management Science</i> , <b>2007</b> , 63, 524-54	4.6	334
248	The current status and environmental impacts of glyphosate-resistant crops: a review. <i>Journal of Environmental Quality</i> , <b>2006</b> , 35, 1633-58	3.4	268
247	Weed and Crop Allelopathy. <i>Critical Reviews in Plant Sciences</i> , <b>2003</b> , 22, 367-389	5.6	256
246	Cancer chemopreventive and antioxidant activities of pterostilbene, a naturally occurring analogue of resveratrol. <i>Journal of Agricultural and Food Chemistry</i> , <b>2002</b> , 50, 3453-7	5.7	224
245	Overview of glyphosate-resistant weeds worldwide. <i>Pest Management Science</i> , <b>2018</b> , 74, 1040-1049	4.6	217
244	Investigating the Mode of Action of Natural Phytotoxins. <i>Journal of Chemical Ecology</i> , <b>2000</b> , 26, 2079-2094	4.7	200
243	Chemicals from nature for weed management. <i>Weed Science</i> , <b>2002</b> , 50, 138-151	2	194
242	Natural compounds as next-generation herbicides. <i>Plant Physiology</i> , <b>2014</b> , 166, 1090-105	6.6	191
241	Protoporphyrinogen Oxidase-Inhibiting Herbicides. <i>Weed Science</i> , <b>1991</b> , 39, 465-473	2	178
240	The history and current status of glyphosate. <i>Pest Management Science</i> , <b>2018</b> , 74, 1027-1034	4.6	174
239	Glyphosate effects on plant mineral nutrition, crop rhizosphere microbiota, and plant disease in glyphosate-resistant crops. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 10375-97	5.7	159
238	Aminomethylphosphonic acid, a metabolite of glyphosate, causes injury in glyphosate-treated, glyphosate-resistant soybean. <i>Journal of Agricultural and Food Chemistry</i> , <b>2004</b> , 52, 5139-43	5.7	157

237	Glyphosate applied at low doses can stimulate plant growth. <i>Pest Management Science</i> , <b>2008</b> , 64, 489-964.6	155
236	Polyphenol oxidase: The chloroplast oxidase with no established function. <i>Physiologia Plantarum</i> , <b>1988</b> , 72, 659-665	4.6 153
235	Biopesticides: state of the art and future opportunities. <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 11613-9	5.7 152
234	Taking stock of herbicide-resistant crops ten years after introduction. <i>Pest Management Science</i> , <b>2005</b> , 61, 211-8	4.6 151
233	Artemisinin, a Constituent of Annual Wormwood ( <i>Artemisia annua</i> ), is a Selective Phytotoxin. <i>Weed Science</i> , <b>1987</b> , 35, 499-505	2 150
232	The occurrence of hormesis in plants and algae. <i>Dose-Response</i> , <b>2006</b> , 5, 150-62	2.3 143
231	Detoxification and transcriptome response in Arabidopsis seedlings exposed to the allelochemical benzoxazolin-2(3H)-one. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 21867-81	5.4 139
230	Isoflavone, glyphosate, and aminomethylphosphonic acid levels in seeds of glyphosate-treated, glyphosate-resistant soybean. <i>Journal of Agricultural and Food Chemistry</i> , <b>2003</b> , 51, 340-4	5.7 133
229	Natural fungicides from <i>Ruta graveolens</i> L. leaves, including a new quinolone alkaloid. <i>Journal of Agricultural and Food Chemistry</i> , <b>2003</b> , 51, 890-6	5.7 132
228	The inhibitory activity of natural products on plant p-hydroxyphenylpyruvate dioxygenase. <i>Phytochemistry</i> , <b>2002</b> , 60, 281-8	4 130
227	Rationale for a natural products approach to herbicide discovery. <i>Pest Management Science</i> , <b>2012</b> , 68, 519-28	4.6 128
226	Glyphosate degradation in glyphosate-resistant and -susceptible crops and weeds. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 5835-41	5.7 124
225	Natural products as sources for new mechanisms of herbicidal action. <i>Crop Protection</i> , <b>2000</b> , 19, 583-5892.7	124
224	Natural toxins for use in pest management. <i>Toxins</i> , <b>2010</b> , 2, 1943-62	4.9 119
223	Mechanisms of evolved herbicide resistance. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 10307-10330	5.4 117
222	Weed Management in 2050: Perspectives on the Future of Weed Science. <i>Weed Science</i> , <b>2018</b> , 66, 275-285	117
221	Herbicides and plant hormesis. <i>Pest Management Science</i> , <b>2014</b> , 70, 698-707	4.6 115
220	Tolerance and accumulation of shikimic acid in response to glyphosate applications in glyphosate-resistant and nonglyphosate-resistant cotton ( <i>Gossypium hirsutum</i> L.). <i>Journal of Agricultural and Food Chemistry</i> , <b>2002</b> , 50, 506-12	5.7 108

219	A new photosystem II electron transfer inhibitor from Sorghum bicolor. <i>Journal of Natural Products</i> , <b>1998</b> , 61, 927-30	4.9	107
218	Somatic mutation-mediated evolution of herbicide resistance in the nonindigenous invasive plant hydrilla ( <i>Hydrilla verticillata</i> ). <i>Molecular Ecology</i> , <b>2004</b> , 13, 3229-37	5.7	105
217	Glyphosate induction of elevated levels of hydroxybenzoic acids in higher plants. <i>Journal of Agricultural and Food Chemistry</i> , <b>1988</b> , 36, 813-818	5.7	93
216	Sorgoleone. <i>Phytochemistry</i> , <b>2010</b> , 71, 1032-9	4	92
215	Aminomethylphosphonic acid accumulation in plant species treated with glyphosate. <i>Journal of Agricultural and Food Chemistry</i> , <b>2008</b> , 56, 2125-30	5.7	83
214	Structure-dependent phytotoxicity of fumonisins and related compounds in a duckweed bioassay. <i>Phytochemistry</i> , <b>1993</b> , 33, 779-785	4	83
213	Perspectives on transgenic, herbicide-resistant crops in the United States almost 20 years after introduction. <i>Pest Management Science</i> , <b>2015</b> , 71, 652-7	4.6	82
212	Porphyrin synthesis is required for photobleaching activity of the p-nitrosubstituted diphenyl ether herbicides. <i>Pesticide Biochemistry and Physiology</i> , <b>1988</b> , 31, 74-83	4.9	82
211	p-Hydroxyphenylpyruvate dioxygenase is a herbicidal target site for beta-triketones from <i>Leptospermum scoparium</i> . <i>Phytochemistry</i> , <b>2007</b> , 68, 2004-14	4	81
210	Dehydrozalanin C, a natural sesquiterpenolide, causes rapid plasma membrane leakage. <i>Phytochemistry</i> , <b>1999</b> , 52, 805-813	4	79
209	Pesticide effects on secondary metabolism of higher plants. <i>Pest Management Science</i> , <b>1989</b> , 25, 361-373		77
208	Dose-response relationships between herbicides with different modes of action and growth of <i>Lemna paucicostata</i> : an improved ecotoxicological method. <i>Environmental Toxicology and Chemistry</i> , <b>2004</b> , 23, 1074-9	3.8	75
207	Modes of action of microbially-produced phytotoxins. <i>Toxins</i> , <b>2011</b> , 3, 1038-64	4.9	74
206	A functional genomics investigation of allelochemical biosynthesis in Sorghum bicolor root hairs. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 3231-3247	5.4	71
205	Is (-)-catechin a novel weapon of spotted knapweed ( <i>Centaurea stoebe</i> )?. <i>Journal of Chemical Ecology</i> , <b>2009</b> , 35, 141-53	2.7	69
204	Glyphosate-Resistant Weeds: Current Status and Future Outlook. <i>Outlooks on Pest Management</i> , <b>2005</b> , 16, 183-187	1.7	69
203	Tentoxin stops the processing of polyphenol oxidase into an active protein. <i>Physiologia Plantarum</i> , <b>1984</b> , 60, 257-261	4.6	69
202	Alkylresorcinol synthases expressed in Sorghum bicolor root hairs play an essential role in the biosynthesis of the allelopathic benzoquinone sorgoleone. <i>Plant Cell</i> , <b>2010</b> , 22, 867-87	11.6	68

201	Glyphosate-resistant and -susceptible soybean ( <i>Glycine max</i> ) and canola ( <i>Brassica napus</i> ) dose response and metabolism relationships with glyphosate. <i>Journal of Agricultural and Food Chemistry</i> , <b>2007</b> , 55, 3540-5	5.7	67
200	Production of hydroxybenzoic acids by <i>Bradyrhizobium japonicum</i> strains after treatment with glyphosate. <i>Journal of Agricultural and Food Chemistry</i> , <b>1992</b> , 40, 289-293	5.7	67
199	Effects of Glyphosate on Metabolism of Phenolic Compounds. <i>Physiologia Plantarum</i> , <b>1979</b> , 46, 357-366	4.6	66
198	A Rapid Bioassay for Selective Algicides. <i>Weed Technology</i> , <b>1997</b> , 11, 767-774	1.4	64
197	Glyphosate Tolerance Mechanism in Italian Ryegrass ( <i>Lolium multiflorum</i> ) from Mississippi. <i>Weed Science</i> , <b>2008</b> , 56, 344-349	2	64
196	Multiple Resistance to Glyphosate and Pyriithiobac in Palmer Amaranth ( <i>Amaranthus palmeri</i> ) from Mississippi and Response to Flumiclorac. <i>Weed Science</i> , <b>2012</b> , 60, 179-188	2	63
195	Tentoxin-induced loss of plastidic polyphenol oxidase. <i>Physiologia Plantarum</i> , <b>1981</b> , 53, 421-428	4.6	62
194	Composition and some biological activities of the essential oil of <i>Callicarpa americana</i> (L.). <i>Journal of Agricultural and Food Chemistry</i> , <b>2000</b> , 48, 3008-12	5.7	60
193	Effects of Glyphosate on Metabolism of Phenolic Compounds: V. l-alpha-AMINOXY-beta-PHENYLPROPIONIC ACID AND GLYPHOSATE EFFECTS ON PHENYLALANINE AMMONIA-LYASE IN SOYBEAN SEEDLINGS. <i>Plant Physiology</i> , <b>1980</b> , 65, 17-21	6.6	60
192	Proving Allelopathy in CropWeed Interactions. <i>Weed Science</i> , <b>2015</b> , 63, 121-132	2	59
191	Antifungal activity of thiophenes from <i>Echinops ritro</i> . <i>Journal of Agricultural and Food Chemistry</i> , <b>2006</b> , 54, 1651-5	5.7	56
190	Phytotoxins from the leaves of <i>Ruta graveolens</i> . <i>Journal of Agricultural and Food Chemistry</i> , <b>2004</b> , 52, 3345-9	5.7	56
189	Glyphosate effects on shikimate pathway products in leaves and flowers of velvetleaf. <i>Phytochemistry</i> , <b>1989</b> , 28, 695-699	4	55
188	Strategies for Using Transgenes to Produce Allelopathic Crops1. <i>Weed Technology</i> , <b>2001</b> , 15, 826-834	1.4	50
187	Herbicides as Probes in Plant Biology. <i>Weed Science</i> , <b>2010</b> , 58, 340-350	2	49
186	Agricultural impacts of glyphosate-resistant soybean cultivation in South America. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 5799-807	5.7	46
185	Comparing conventional and biotechnology-based pest management. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 5793-8	5.7	44
184	Biochemical and structural consequences of a glycine deletion in the alpha-8 helix of protoporphyrinogen oxidase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2010</b> , 1804, 1548-55	4	44

183	Growth Regulation and Other Secondary Effects of Herbicides. <i>Weed Science</i> , <b>2010</b> , 58, 351-354	2	43
182	Metabolic Profiling and Enzyme Analyses Indicate a Potential Role of Antioxidant Systems in Complementing Glyphosate Resistance in an <i>Amaranthus palmeri</i> Biotype. <i>Journal of Agricultural and Food Chemistry</i> , <b>2015</b> , 63, 9199-209	5.7	42
181	Weeding with transgenes. <i>Trends in Biotechnology</i> , <b>2003</b> , 21, 192-5	15.1	42
180	Potential ecological roles of artemisinin produced by <i>Artemisia annua</i> L. <i>Journal of Chemical Ecology</i> , <b>2014</b> , 40, 100-17	2.7	38
179	Omics methods for probing the mode of action of natural and synthetic phytotoxins. <i>Journal of Chemical Ecology</i> , <b>2013</b> , 39, 333-47	2.7	38
178	Review of potential environmental impacts of transgenic glyphosate-resistant soybean in Brazil. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , <b>2007</b> , 42, 539-49	2.2	38
177	Evolution of resistance to phytoene desaturase and protoporphyrinogen oxidase inhibitors--state of knowledge. <i>Pest Management Science</i> , <b>2014</b> , 70, 1358-66	4.6	37
176	Laboratory assessment of the allelopathic effects of fine leaf fescues. <i>Journal of Chemical Ecology</i> , <b>2003</b> , 29, 1919-37	2.7	37
175	Alkylresorcinol biosynthesis in plants: new insights from an ancient enzyme family?. <i>Plant Signaling and Behavior</i> , <b>2010</b> , 5, 1286-9	2.5	36
174	Functional characterization of desaturases involved in the formation of the terminal double bond of an unusual 16:3 $\Delta$ (9,12,150) fatty acid isolated from <i>Sorghum bicolor</i> root hairs. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 4326-4335	5.4	36
173	Herbicide Metabolism: Crop Selectivity, Bioactivation, Weed Resistance, and Regulation. <i>Weed Science</i> , <b>2019</b> , 67, 149-175	2	35
172	Identification of molecular pathways affected by pterostilbene, a natural dimethylether analog of resveratrol. <i>BMC Medical Genomics</i> , <b>2008</b> , 1, 7	3.7	35
171	Structural activity relationship studies of zebra mussel antifouling and antimicrobial agents from verongid sponges. <i>Journal of Natural Products</i> , <b>2004</b> , 67, 2117-20	4.9	35
170	Herbicide-Resistant Field Crops. <i>Advances in Agronomy</i> , <b>1995</b> , 69-116	7.7	35
169	Hormesis with glyphosate depends on coffee growth stage. <i>Anais Da Academia Brasileira De Ciencias</i> , <b>2013</b> , 85, 813-21	1.4	34
168	Effects of Glyphosate on Metabolism of Phenolic Compounds. <i>Physiologia Plantarum</i> , <b>1979</b> , 46, 307-317	4.6	34
167	Stable Isotope Resolved Metabolomics Reveals the Role of Anabolic and Catabolic Processes in Glyphosate-Induced Amino Acid Accumulation in <i>Amaranthus palmeri</i> Biotypes. <i>Journal of Agricultural and Food Chemistry</i> , <b>2016</b> , 64, 7040-8	5.7	34
166	Low doses of glyphosate enhance growth, CO <sub>2</sub> assimilation, stomatal conductance and transpiration in sugarcane and eucalyptus. <i>Pest Management Science</i> , <b>2018</b> , 74, 1197-1205	4.6	33

165	Phytotoxic and antifungal compounds from two Apiaceae species, <i>Lomatium californicum</i> and <i>Ligusticum hultenii</i> , rich sources of Z-ligustilide and apiol, respectively. <i>Journal of Chemical Ecology</i> , <b>2005</b> , 31, 1567-78	2.7	33
164	Synthesis and Pesticidal Activities of New Quinoxalines. <i>Journal of Agricultural and Food Chemistry</i> , <b>2020</b> , 68, 7324-7332	5.7	32
163	Herbicide and Pharmaceutical Relationships. <i>Weed Science</i> , <b>2010</b> , 58, 334-339	2	32
162	Joint action of natural and synthetic photosystem II inhibitors. <i>Pest Management Science</i> , <b>1999</b> , 55, 137-146		31
161	Acifluorfen-methyl effects on porphyrin synthesis in <i>Lemna paucicostata</i> Hegelm. 6746. <i>Journal of Agricultural and Food Chemistry</i> , <b>1990</b> , 38, 2066-2071	5.7	31
160	Tentoxin does not cause chlorosis in greening mung bean leaves by inhibiting photophosphorylation. <i>Physiologia Plantarum</i> , <b>1982</b> , 56, 387-398	4.6	31
159	Transcriptional responses to cantharidin, a protein phosphatase inhibitor, in <i>Arabidopsis thaliana</i> reveal the involvement of multiple signal transduction pathways. <i>Physiologia Plantarum</i> , <b>2011</b> , 143, 188-205	4.6	30
158	Natural Products for Pest Management. <i>ACS Symposium Series</i> , <b>2006</b> , 2-21	0.4	29
157	Phytotoxicity of Fumonisin and Related Compounds. <i>Toxin Reviews</i> , <b>1993</b> , 12, 225-251		28
156	Colletotrichin Causes Rapid Membrane Damage to Plant Cells. <i>Journal of Phytopathology</i> , <b>1992</b> , 134, 289-305	1.8	28
155	New directions for integrated weed management: Modern technologies, tools and knowledge discovery. <i>Advances in Agronomy</i> , <b>2019</b> , 155, 243-319	7.7	27
154	Khellin and Visnagin, Furanochromones from <i>Ammi visnaga</i> (L.) Lam., as Potential Bioherbicides. <i>Journal of Agricultural and Food Chemistry</i> , <b>2016</b> , 64, 9475-9487	5.7	27
153	Lack of transgene and glyphosate effects on yield, and mineral and amino acid content of glyphosate-resistant soybean. <i>Pest Management Science</i> , <b>2018</b> , 74, 1166-1173	4.6	26
152	Phytotoxicity of constituents of glandular trichomes and the leaf surface of camphorweed, <i>Heterotheca subaxillaris</i> . <i>Phytochemistry</i> , <b>2009</b> , 70, 69-74	4	26
151	Phytotoxic Eremophilanes from <i>Ligularia macrophylla</i> . <i>Journal of Agricultural and Food Chemistry</i> , <b>2007</b> , 55, 10656-63	5.7	26
150	Effects of the aglycone of ascaulitoxin on amino acid metabolism in <i>Lemna paucicostata</i> . <i>Pesticide Biochemistry and Physiology</i> , <b>2011</b> , 100, 41-50	4.9	25
149	Biological Activity of Allelochemicals <b>2009</b> , 361-384		25
148	Phytochrome Control of Longitudinal Growth and Phytochrome Synthesis in Maize Seedlings. <i>Physiologia Plantarum</i> , <b>1977</b> , 40, 59-68	4.6	25



147	Zebra mussel antifouling activity of the marine natural product aaptamine and analogs. <i>Marine Biotechnology</i> , <b>2006</b> , 8, 366-72	3.4	24
146	The role of protoporphyrin IX in the mechanism of action of diphenyl ether herbicides. <i>Pest Management Science</i> , <b>1990</b> , 30, 367-378		24
145	SIGNIFICANCE OF FLUENCE-RESPONSE DATA IN PHYTOCHROME-INITIATED SEED GERMINATION. <i>Photochemistry and Photobiology</i> , <b>1978</b> , 28, 383-388	3.6	24
144	Validation of serine/threonine protein phosphatase as the herbicide target site of endothall. <i>Pesticide Biochemistry and Physiology</i> , <b>2012</b> , 102, 38-44	4.9	23
143	New class of algicidal compounds and fungicidal activities derived from a chromene amide of <i>Amyris texana</i> . <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 9476-82	5.7	23
142	Glyphosate: environmental fate and impact. <i>Weed Science</i> , <b>2020</b> , 68, 201-207	2	22
141	Interaction of Chemical Pesticides and Their Formulation Ingredients with Microbes Associated with Plants and Plant Pests. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 7553-7561	5.7	22
140	Possible glyphosate tolerance mechanism in pitted morningglory ( <i>Ipomoea lacunosa</i> L.). <i>Journal of Agricultural and Food Chemistry</i> , <b>2015</b> , 63, 1689-97	5.7	22
139	Amino- and urea-substituted thiazoles inhibit photosynthetic electron transfer. <i>Journal of Agricultural and Food Chemistry</i> , <b>2000</b> , 48, 3689-93	5.7	22
138	Omics in Weed Science: A Perspective from Genomics, Transcriptomics, and Metabolomics Approaches. <i>Weed Science</i> , <b>2018</b> , 66, 681-695	2	22
137	Effects of glyphosate on the mineral content of glyphosate-resistant soybeans ( <i>Glycine max</i> ). <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 6764-71	5.7	21
136	Natural Products for Weed Management in Organic Farming in the USA. <i>Outlooks on Pest Management</i> , <b>2010</b> , 21, 156-160	1.7	21
135	Isolation and identification of antifungal fatty acids from the basidiomycete <i>Gomphus floccosus</i> . <i>Journal of Agricultural and Food Chemistry</i> , <b>2008</b> , 56, 5062-8	5.7	20
134	Tentoxin effects on infrastructure and greening of ivyleaf morningglory ( <i>Ipomoea hederacea</i> var. <i>hederacea</i> ) cotyledons. <i>Physiologia Plantarum</i> , <b>1980</b> , 49, 27-36	4.6	20
133	In situ localization of the sites of paraquat action. <i>Plant, Cell and Environment</i> , <b>1983</b> , 6, 13-20	8.4	20
132	Effects of glyphosate-resistant crop cultivation on soil and water quality. <i>GM Crops</i> , <b>2010</b> , 1, 16-24		19
131	The case against (-)-catechin involvement in allelopathy of <i>Centaurea stoebe</i> (spotted knapweed). <i>Plant Signaling and Behavior</i> , <b>2009</b> , 4, 422-4	2.5	19
130	Strategies for the Use of Natural Products for Weed Management. <i>Journal of Pesticide Sciences</i> , <b>2002</b> , 27, 298-306	2.7	19



129	Soil Microbial Communities in Diverse Agroecosystems Exposed to the Herbicide Glyphosate. <i>Applied and Environmental Microbiology</i> , <b>2020</b> , 86,	4.8	18
128	Antiprotozoal and antimicrobial compounds from the plant pathogen <i>Septoria pistaciarum</i> . <i>Journal of Natural Products</i> , <b>2012</b> , 75, 883-9	4.9	18
127	Bioassay-directed isolation and identification of phytotoxic and fungitoxic acetylenes from <i>Conyza canadensis</i> . <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 5893-8	5.7	18
126	Protoporphyrinogen Oxidase-Inhibiting Herbicides <b>2010</b> , 1733-1751		18
125	Molluscicidal activity of vulgarone B from <i>Artemisia douglasiana</i> (Besser) against the invasive, alien, mollusc pest, <i>Pomacea canaliculata</i> (Lamarck). <i>International Journal of Pest Management</i> , <b>2005</b> , 51, 175-180	4.5	18
124	Terpenoids from the Genus <i>Artemisia</i> as Potential Pesticides. <i>ACS Symposium Series</i> , <b>1988</b> , 318-334	0.4	18
123	Effects of glyphosate on uptake, translocation, and intracellular localization of metal cations in soybean ( <i>Glycine max</i> ) seedlings. <i>Pesticide Biochemistry and Physiology</i> , <b>1985</b> , 24, 384-394	4.9	18
122	Discovery and structure activity relationships of 2-pyrazolines derived from chalcones from a pest management perspective. <i>Medicinal Chemistry Research</i> , <b>2015</b> , 24, 3632-3644	2.2	17
121	A cytochrome P450 CYP71 enzyme expressed in <i>Sorghum bicolor</i> root hair cells participates in the biosynthesis of the benzoquinone allelochemical sorgoleone. <i>New Phytologist</i> , <b>2018</b> , 218, 616-629	9.8	17
120	Photosensitizing Porphyrins as Herbicides. <i>ACS Symposium Series</i> , <b>1991</b> , 371-386	0.4	17
119	Glyphosate		17
118	Antiplasmodial and Cytotoxic Cytochalasins from an Endophytic Fungus, sp. UM10M, Isolated from a Diseased Leaf. <i>Molecules</i> , <b>2019</b> , 24,	4.8	16
117	Similarities between the discovery and regulation of pharmaceuticals and pesticides: in support of a better understanding of the risks and benefits of each. <i>Pest Management Science</i> , <b>2011</b> , 67, 790-7	4.6	16
116	Natural-product-based chromenes as a novel class of potential termiticides. <i>Pest Management Science</i> , <b>2011</b> , 67, 1446-50	4.6	16
115	Biologically active tetranorditerpenoids from the fungus <i>Sclerotinia homoeocarpa</i> causal agent of dollar spot in turfgrass. <i>Journal of Natural Products</i> , <b>2009</b> , 72, 2091-7	4.9	16
114	Antagonism of BAS 625 by selected broadleaf herbicides and the role of ethanol. <i>Weed Science</i> , <b>2000</b> , 48, 181-187	2	16
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84	Roots of the invasive species <i>Carduus nutans</i> L. and <i>C. acanthoides</i> L. produce large amounts of aplotaxene, a possible allelochemical. <i>Journal of Chemical Ecology</i> , <b>2014</b> , 40, 276-84	2.7	9
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50	The potential influence of hormesis on evolution of resistance to herbicides. <i>Current Opinion in Environmental Science and Health</i> , <b>2022</b> , 100360	8.1	5
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44	Natural Product-Based Chemical Herbicides	2018, 153-165	4
43	The potential future roles of natural compounds and microbial bioherbicides in weed management in crops	2022, 40,	4
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34	Herbicides, Carotenoid Biosynthesis Inhibitors		3
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22	Global Gene Expression Approaches to Mode-of-Action Studies with Natural Product-Based Pesticides. <i>ACS Symposium Series</i> , <b>2006</b> , 255-264	0.4	1



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