

Stephen O Duke

List of Publications by Year in Descending Order

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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	Modelling biphasic hormetic dose responses to predict sub-NOAEL effects using plant biology as an example. <i>Current Opinion in Toxicology</i> , 2022 ,	4.4	6
253	The potential future roles of natural compounds and microbial bioherbicides in weed management in crops 2022 , 40,		4
252	The potential influence of hormesis on evolution of resistance to herbicides. <i>Current Opinion in Environmental Science and Health</i> , 2022 , 100360	8.1	5
251	Benefits of Resveratrol and Pterostilbene to Crops and Their Potential Nutraceutical Value to Mammals. <i>Agriculture (Switzerland)</i> , 2022 , 12, 368	3	1
250	Novel Dioxolane Ring Compounds for the Management of Phytopathogen Diseases as Ergosterol Biosynthesis Inhibitors: Synthesis, Biological Activities, and Molecular Docking.. <i>Journal of Agricultural and Food Chemistry</i> , 2022 ,	5.7	3
249	Battling Blood-Feeding Insects, Weeds, and Hereditary Diseases with Inhibitors of a Common Enzyme. <i>Outlooks on Pest Management</i> , 2022 , 33, 54-57	1.7	
248	Stepping beyond hormesis modelling and sub-NOAEL predictions in plant biology. <i>Current Opinion in Environmental Science and Health</i> , 2022 , 100366	8.1	0
247	Secondary metabolites of , a plant collected from the Sicilian Island of Lampedusa. <i>Natural Product Research</i> , 2021 , 35, 3977-3984	2.3	1
246	Ecotoxicology of Glyphosate, Its Formulants, and Environmental Degradation Products. <i>Reviews of Environmental Contamination and Toxicology</i> , 2021 , 255, 129-205	3.5	3
245	How Many Ways Can Nature Kill the Goose That Laid the Golden Egg? The Many Mechanisms of Evolved Glyphosate Resistance. <i>Outlooks on Pest Management</i> , 2021 , 32, 197-202	1.7	1
244	Effect of low glyphosate doses on flowering and seed germination of glyphosate-resistant and -susceptible <i>Digitaria insularis</i> . <i>Pest Management Science</i> , 2021 ,	4.6	5
243	The search for new herbicide mechanisms of action: Is there a 'holy grail'?. <i>Pest Management Science</i> , 2021 ,	4.6	7
242	Furanocoumarin with Phytotoxic Activity from the Leaves of (Rutaceae). <i>ACS Omega</i> , 2021 , 6, 401-407	3.9	0
241	Synthesis, Crystal Structure, Herbicidal Activity, and SAR Study of Novel -(Arylmethoxy)-2-chloronicotinamides Derived from Nicotinic Acid. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 6423-6430	5.7	12
240	Characterization of the Allelopathic Potential of Sugarcane Leaves and Roots. <i>Journal of Agricultural Chemistry and Environment</i> , 2021 , 10, 257-274	0.4	1
239	In vivo assembly of the sorgoleone biosynthetic pathway and its impact on agroinfiltrated leaves of <i>Nicotiana benthamiana</i> . <i>New Phytologist</i> , 2021 , 230, 683-697	9.8	1
238	Structure Simplification of Natural Products as a Lead Generation Approach in Agrochemical Discovery. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 8324-8346	5.7	15

237	Glyphosate: Uses Other Than in Glyphosate-Resistant Crops, Mode of Action, Degradation in Plants, and Effects on Non-target Plants and Agricultural Microbes. <i>Reviews of Environmental Contamination and Toxicology</i> , 2021 , 255, 1-65	3.5	8
236	Proving the Mode of Action of Phytotoxic Phytochemicals. <i>Plants</i> , 2020 , 9,	4.5	4
235	Mechanisms of evolved herbicide resistance. <i>Journal of Biological Chemistry</i> , 2020 , 295, 10307-10330	5.4	117
234	Glyphosate: environmental fate and impact. <i>Weed Science</i> , 2020 , 68, 201-207	2	22
233	Synthesis and Pesticidal Activities of New Quinoxalines. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 7324-7332	5.7	32
232	Discovery for New Herbicide Sites of Action by Quantification of Plant Primary Metabolite and Enzyme Pools. <i>Engineering</i> , 2020 , 6, 509-514	9.7	15
231	The Contribution of Romidepsin to the Herbicidal Activity of Biopesticide. <i>Journal of Natural Products</i> , 2020 , 83, 843-851	4.9	6
230	Sesquiterpenoids from culture of the fungus <i>Stereum complicatum</i> (Steraceae): structural diversity, antifungal and phytotoxic activities. <i>Phytochemistry Letters</i> , 2020 , 37, 51-58	1.9	4
229	Soil Microbial Communities in Diverse Agroecosystems Exposed to the Herbicide Glyphosate. <i>Applied and Environmental Microbiology</i> , 2020 , 86,	4.8	18
228	Agnes Rimando, a Pioneer in the Fate of Glyphosate and Its Primary Metabolite in Plants. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 5623-5630	5.7	2
227	Antimalarials and Phytotoxins from Identified from a Seed of Diseased. <i>Molecules</i> , 2020 , 26,	4.8	6
226	Transcriptome and binding data indicate that citral inhibits single strand DNA-binding proteins. <i>Physiologia Plantarum</i> , 2020 , 169, 99-109	4.6	3
225	Sesquiterpene-amino acid quaternary ammonium hybrids from <i>Stereum complicatum</i> (Steraceae). <i>Biochemical Systematics and Ecology</i> , 2020 , 93, 104176	1.4	
224	Synthesis of Pyranopyrans Related to Diplopyrone and Evaluation as Antibacterials and Herbicides. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 9906-9916	5.7	2
223	New Phytotoxic Cassane-like Diterpenoids from <i>Eragrostis plana</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 1973-1981	5.7	10
222	New directions for integrated weed management: Modern technologies, tools and knowledge discovery. <i>Advances in Agronomy</i> , 2019 , 155, 243-319	7.7	27
221	Transcriptome responses to the natural phytotoxin t-chalcone in <i>Arabidopsis thaliana</i> L. <i>Pest Management Science</i> , 2019 , 75, 2490-2504	4.6	6
220	Antiplasmodial and Cytotoxic Cytochalasins from an Endophytic Fungus, sp. UM10M, Isolated from a Diseased Leaf. <i>Molecules</i> , 2019 , 24,	4.8	16

219	Bioassay-Guided Isolation and Structure Elucidation of Fungicidal and Herbicidal Compounds from <i>Ambrosia salsola</i> (Asteraceae). <i>Molecules</i> , 2019 , 24,	4.8	5
218	Herbicide Metabolism: Crop Selectivity, Bioactivation, Weed Resistance, and Regulation. <i>Weed Science</i> , 2019 , 67, 149-175	2	35
217	Herbicide Mechanisms of Action and Resistance 2019 , 36-48		10
216	Synthesis and biological activity of novel 1,3,4-oxadiazole derivatives containing a pyrazole moiety. <i>Research on Chemical Intermediates</i> , 2019 , 45, 5989-6001	2.8	5
215	Enhanced Metabolic Degradation: The Last Evolved Glyphosate Resistance Mechanism of Weeds?. <i>Plant Physiology</i> , 2019 , 181, 1401-1403	6.6	13
214	Synthesis and Biological Evaluation of 6-[(1 R)-1-Hydroxyethyl]-2,4a(R),6(S),8a(R)-tetrahydropyrano-[3,2- b]-pyran-2-one and Structural Analogues of the Putative Structure of Diplopyrone. <i>Journal of Organic Chemistry</i> , 2019 , 84, 666-678	4.2	7
213	Synthesis and Herbicidal Activity of 1,2,4-Triazole Derivatives Containing a Pyrazole Moiety. <i>Journal of Heterocyclic Chemistry</i> , 2019 , 56, 968-971	1.9	11
212	A novel genomic approach to herbicide and herbicide mode of action discovery. <i>Pest Management Science</i> , 2019 , 75, 314-317	4.6	14
211	A cytochrome P450 CYP71 enzyme expressed in Sorghum bicolor root hair cells participates in the biosynthesis of the benzoquinone allelochemical sorgoleone. <i>New Phytologist</i> , 2018 , 218, 616-629	9.8	17
210	Weed Management in 2050: Perspectives on the Future of Weed Science. <i>Weed Science</i> , 2018 , 66, 275-285		117
209	Comparative Metabolomic Analyses of Ipomoea lacunosa Biotypes with Contrasting Glyphosate Tolerance Captures Herbicide-Induced Differential Perturbations in Cellular Physiology. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 2027-2039	5.7	7
208	Low doses of glyphosate enhance growth, CO assimilation, stomatal conductance and transpiration in sugarcane and eucalyptus. <i>Pest Management Science</i> , 2018 , 74, 1197-1205	4.6	33
207	The history and current status of glyphosate. <i>Pest Management Science</i> , 2018 , 74, 1027-1034	4.6	174
206	Lack of transgene and glyphosate effects on yield, and mineral and amino acid content of glyphosate-resistant soybean. <i>Pest Management Science</i> , 2018 , 74, 1166-1173	4.6	26
205	Overview of glyphosate-resistant weeds worldwide. <i>Pest Management Science</i> , 2018 , 74, 1040-1049	4.6	217
204	Isolation of a phytotoxic isocoumarin from Diaporthe eres-infected Hedera helix (English ivy) and synthesis of its phytotoxic analogs. <i>Pest Management Science</i> , 2018 , 74, 37-45	4.6	14
203	Interaction of Chemical Pesticides and Their Formulation Ingredients with Microbes Associated with Plants and Plant Pests. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 7553-7561	5.7	22
202	Natural Product-Based Chemical Herbicides 2018 , 153-165		4

201	Is Mineral Nutrition of Glyphosate-resistant Crops Altered by Glyphosate Treatment?. <i>Outlooks on Pest Management</i> , 2018 , 29, 206-208	1.7	5
200	Phytotoxic Lignans from <i>Artemisia arborescens</i> . <i>Natural Product Communications</i> , 2018 , 13, 1934578X18013003	0.4	3
199	Herbicides 2018 , 1-9		3
198	Use of Omics Methods To Determine the Mode of Action of Natural Phytotoxins. <i>ACS Symposium Series</i> , 2018 , 33-46	0.4	
197	Lack of effects of glyphosate and glufosinate on growth, mineral content, and yield of glyphosate- and glufosinate-resistant maize. <i>GM Crops and Food</i> , 2018 , 9, 189-198	2.7	9
196	Omics in Weed Science: A Perspective from Genomics, Transcriptomics, and Metabolomics Approaches. <i>Weed Science</i> , 2018 , 66, 681-695	2	22
195	Glyphosate Resistance Technology Has Minimal or No Effect on Maize Mineral Content and Yield. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 10139-10146	5.7	13
194	Pesticide Dose A Parameter with Many Implications. <i>ACS Symposium Series</i> , 2017 , 1-13	0.4	4
193	Phytotoxic triterpene saponins from <i>Bellis longifolia</i> , an endemic plant of Crete. <i>Phytochemistry</i> , 2017 , 144, 71-77	4	6
192	New Pesticidal Diterpenoids from <i>Vellozia gigantea</i> (Velloziaceae), an Endemic Neotropical Plant Living in the Endangered Brazilian Biome Rupestrian Grasslands. <i>Molecules</i> , 2017 , 22,	4.8	10
191	Identification and Characterization of Biopesticides from <i>Acorus tatarinowii</i> and <i>A. calamus</i> . <i>ACS Symposium Series</i> , 2016 , 121-143	0.4	0
190	Curvularin and Dehydrocurvularin as Phytotoxic Constituents from <i>Curvularia intermedia</i>; Infecting <i>Pandanus amaryllifolius</i>. <i>Journal of Agricultural Chemistry and Environment</i> , 2016 , 05, 12-22	0.4	7
189	7-Hydroxyfriedelan-3-one-26-ol-29-oic acid and other Constituents from <i>Pileostegia viburnoides</i> var. <i>glabrescens</i> . <i>Natural Product Communications</i> , 2016 , 11, 1934578X1601100	0.9	
188	Khellin and Visnagin, Furanochromones from <i>Ammi visnaga</i> (L.) Lam., as Potential Bioherbicides. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 9475-9487	5.7	27
187	Glyphosate-Resistant and Conventional Canola (<i>Brassica napus</i> L.) Responses to Glyphosate and Aminomethylphosphonic Acid (AMPA) Treatment. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 3508-13	5.7	14
186	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> , 2016 , 64, 7040-8	5.7	34
185	Phomalactone from a Phytopathogenic Fungus Infecting <i>ZININIA elegans</i> (ASTERACEAE) Leaves. <i>Journal of Chemical Ecology</i> , 2015 , 41, 602-12	2.7	5
184	Discovery and structure activity relationships of 2-pyrazolines derived from chalcones from a pest management perspective. <i>Medicinal Chemistry Research</i> , 2015 , 24, 3632-3644	2.2	17

183	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> , 2015 , 63, 9199-209	5.7	42
182	Cantharidin, a protein phosphatase inhibitor, strongly upregulates detoxification enzymes in the <i>Arabidopsis</i> proteome. <i>Journal of Plant Physiology</i> , 2015 , 173, 33-40	3.6	6
181	Perspectives on transgenic, herbicide-resistant crops in the United States almost 20 years after introduction. <i>Pest Management Science</i> , 2015 , 71, 652-7	4.6	82
180	Soybean Mineral Composition and Glyphosate Use 2015 , 369-376		2
179	Biotechnology in Weed Control 2015 , 1-25		15
178	Discovery of New Herbicide Modes of Action with Natural Phytotoxins. <i>ACS Symposium Series</i> , 2015 , 79-924		12
177	Proving Allelopathy in Crop-Weed Interactions. <i>Weed Science</i> , 2015 , 63, 121-132	2	59
176	Possible glyphosate tolerance mechanism in pitted morningglory (<i>Ipomoea lacunosa</i> L.). <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 1689-97	5.7	22
175	Goss's Wilt Incidence in Sweet Corn Is Independent of Transgenic Traits and Glyphosate. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2015 , 50, 1791-1794	2.4	15
174	Potential ecological roles of artemisinin produced by <i>Artemisia annua</i> L. <i>Journal of Chemical Ecology</i> , 2014 , 40, 100-17	2.7	38
173	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> , 2014 , 40, 276-84	2.7	9
172	Herbicides and plant hormesis. <i>Pest Management Science</i> , 2014 , 70, 698-707	4.6	115
171	Biopesticides: state of the art and future opportunities. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 11613-9	5.7	152
170	Natural compounds as next-generation herbicides. <i>Plant Physiology</i> , 2014 , 166, 1090-105	6.6	191
169	The Growing Need for Biochemical Bioherbicides. <i>ACS Symposium Series</i> , 2014 , 31-43	0.4	6
168	Evolution of resistance to phytoene desaturase and protoporphyrinogen oxidase inhibitors--state of knowledge. <i>Pest Management Science</i> , 2014 , 70, 1358-66	4.6	37
167	Omics methods for probing the mode of action of natural and synthetic phytotoxins. <i>Journal of Chemical Ecology</i> , 2013 , 39, 333-47	2.7	38
166	Clues to New Herbicide Mechanisms of Action from Natural Sources. <i>ACS Symposium Series</i> , 2013 , 203-2154		8

165	Human health and transgenic crops symposium introduction. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 11693-4	5.7	4
164	Hormesis with glyphosate depends on coffee growth stage. <i>Anais Da Academia Brasileira De Ciencias</i> , 2013 , 85, 813-21	1.4	34
163	Phytochemicals for Pest Management: Current Advances and Future Opportunities 2013 , 71-94		3
162	Validation of serine/threonine protein phosphatase as the herbicide target site of endothall. <i>Pesticide Biochemistry and Physiology</i> , 2012 , 102, 38-44	4.9	23
161	Multiple Resistance to Glyphosate and Pyriithiobac in Palmer Amaranth (<i>Amaranthus palmeri</i>) from Mississippi and Response to Flumiclorac. <i>Weed Science</i> , 2012 , 60, 179-188	2	63
160	Glyphosate effects on plant mineral nutrition, crop rhizosphere microbiota, and plant disease in glyphosate-resistant crops. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 10375-97	5.7	159
159	Antiprotozoal and antimicrobial compounds from the plant pathogen <i>Septoria pistaciarum</i> . <i>Journal of Natural Products</i> , 2012 , 75, 883-9	4.9	18
158	Bioassay-directed isolation and identification of phytotoxic and fungitoxic acetylenes from <i>Conyza canadensis</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 5893-8	5.7	18
157	Natural products as sources for new pesticides. <i>Journal of Natural Products</i> , 2012 , 75, 1231-42	4.9	347
156	Tabanone, a New Phytotoxic Constituent of Cogongrass (<i>Imperata cylindrica</i>). <i>Weed Science</i> , 2012 , 60, 212-218	2	14
155	Effects of glyphosate on the mineral content of glyphosate-resistant soybeans (<i>Glycine max</i>). <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 6764-71	5.7	21
154	Phytotoxic Furanocoumarins from the Shoots of <i>Semenovia Transiliensis</i> . <i>Natural Product Communications</i> , 2012 , 7, 1934578X1200701	0.9	
153	Rationale for a natural products approach to herbicide discovery. <i>Pest Management Science</i> , 2012 , 68, 519-28	4.6	128
152	Why have no new herbicide modes of action appeared in recent years?. <i>Pest Management Science</i> , 2012 , 68, 505-12	4.6	337
151	Glyphosate degradation in glyphosate-resistant and -susceptible crops and weeds. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 5835-41	5.7	124
150	Modes of action of microbially-produced phytotoxins. <i>Toxins</i> , 2011 , 3, 1038-64	4.9	74
149	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> , 2011 , 143, 188-205	4.6	30
148	Effects of the aglycone of ascaulitoxin on amino acid metabolism in <i>Lemna paucicostata</i> . <i>Pesticide Biochemistry and Physiology</i> , 2011 , 100, 41-50	4.9	25

147	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> , 2011 , 67, 790-7	4.6	16
146	Natural-product-based chromenes as a novel class of potential termiticides. <i>Pest Management Science</i> , 2011 , 67, 1446-50	4.6	16
145	Comparing conventional and biotechnology-based pest management. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 5793-8	5.7	44
144	Agricultural impacts of glyphosate-resistant soybean cultivation in South America. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 5799-807	5.7	46
143	Serine/threonine protein phosphatases: multi-purpose enzymes in control of defense mechanisms. <i>Plant Signaling and Behavior</i> , 2011 , 6, 1921-5	2.5	8
142	Phytotoxic Activity of Flavonoids from <i>Dicranostyles Ampla</i> . <i>Natural Product Communications</i> , 2010 , 5, 1934578X1000500	0.9	
141	Herbicides as Probes in Plant Biology. <i>Weed Science</i> , 2010 , 58, 340-350	2	49
140	Alkylresorcinol synthases expressed in <i>Sorghum bicolor</i> root hairs play an essential role in the biosynthesis of the allelopathic benzoquinone sorgoleone. <i>Plant Cell</i> , 2010 , 22, 867-87	11.6	68
139	Effects of glyphosate-resistant crop cultivation on soil and water quality. <i>GM Crops</i> , 2010 , 1, 16-24		19
138	Alkylresorcinol biosynthesis in plants: new insights from an ancient enzyme family?. <i>Plant Signaling and Behavior</i> , 2010 , 5, 1286-9	2.5	36
137	Protoporphyrinogen Oxidase-Inhibiting Herbicides 2010 , 1733-1751		18
136	Growth Regulation and Other Secondary Effects of Herbicides. <i>Weed Science</i> , 2010 , 58, 351-354	2	43
135	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> , 2010 , 58, 9476-82	5.7	23
134	Herbicide and Pharmaceutical Relationships. <i>Weed Science</i> , 2010 , 58, 334-339	2	32
133	Introduction to the Symposium on Nonherbicide Use of Herbicides. <i>Weed Science</i> , 2010 , 58, 323-323	2	
132	Phytotochemical phytotoxins and hormesis - a commentary. <i>Dose-Response</i> , 2010 , 9, 76-8	2.3	3
131	Natural Products for Weed Management in Organic Farming in the USA. <i>Outlooks on Pest Management</i> , 2010 , 21, 156-160	1.7	21
130	Natural toxins for use in pest management. <i>Toxins</i> , 2010 , 2, 1943-62	4.9	119

129	Sorgoleone. <i>Phytochemistry</i> , 2010 , 71, 1032-9	4	92
128	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> , 2010 , 1804, 1548-56	4	44
127	Transgenic Crops for Herbicide Resistance 2010 , 133-166		9
126	The case against (-)-catechin involvement in allelopathy of <i>Centaurea stoebe</i> (spotted knapweed). <i>Plant Signaling and Behavior</i> , 2009 , 4, 422-4	2.5	19
125	Phytotoxicity of constituents of glandular trichomes and the leaf surface of camphorweed, <i>Heterotheca subaxillaris</i> . <i>Phytochemistry</i> , 2009 , 70, 69-74	4	26
124	Is (-)-catechin a novel weapon of spotted knapweed (<i>Centaurea stoebe</i>)?. <i>Journal of Chemical Ecology</i> , 2009 , 35, 141-53	2.7	69
123	Natural products in crop protection. <i>Bioorganic and Medicinal Chemistry</i> , 2009 , 17, 4022-34	3.4	735
122	Biologically active tetranorditerpenoids from the fungus <i>Sclerotinia homoeocarpa</i> causal agent of dollar spot in turfgrass. <i>Journal of Natural Products</i> , 2009 , 72, 2091-7	4.9	16
121	Biological Activity of Allelochemicals 2009 , 361-384		25
120	Aminomethylphosphonic acid accumulation in plant species treated with glyphosate. <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 2125-30	5.7	83
119	Glyphosate Tolerance Mechanism in Italian Ryegrass (<i>Lolium multiflorum</i>) from Mississippi. <i>Weed Science</i> , 2008 , 56, 344-349	2	64
118	Isolation and identification of antifungal fatty acids from the basidiomycete <i>Gomphus floccosus</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 5062-8	5.7	20
117	A functional genomics investigation of allelochemical biosynthesis in <i>Sorghum bicolor</i> root hairs. <i>Journal of Biological Chemistry</i> , 2008 , 283, 3231-3247	5.4	71
116	Identification of molecular pathways affected by pterostilbene, a natural dimethylether analog of resveratrol. <i>BMC Medical Genomics</i> , 2008 , 1, 7	3.7	35
115	Glyphosate: a once-in-a-century herbicide. <i>Pest Management Science</i> , 2008 , 64, 319-25	4.6	946
114	Glyphosate applied at low doses can stimulate plant growth. <i>Pest Management Science</i> , 2008 , 64, 489-96	4.6	155
113	Phytotoxic Eremophilanes from <i>Ligularia macrophylla</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2007 , 55, 10656-63	5.7	26
112	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> , 2007 , 55, 3540-5	5.7	67

111	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> , 2007 , 42, 539-49	2.2	38
110	Molecular and Biochemical Characterization of Novel Polyketide Synthases Likely to Be Involved in the Biosynthesis of Sorgoleone. <i>ACS Symposium Series</i> , 2007 , 141-151	0.4	1
109	p-Hydroxyphenylpyruvate dioxygenase is a herbicidal target site for beta-triketones from <i>Leptospermum scoparium</i> . <i>Phytochemistry</i> , 2007 , 68, 2004-14	4	81
108	Natural products that have been used commercially as crop protection agents. <i>Pest Management Science</i> , 2007 , 63, 524-54	4.6	334
107	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> , 2007 , 222, 122-8	4.6	512
106	Functional characterization of desaturases involved in the formation of the terminal double bond of an unusual 16:3Delta(9,12,150) fatty acid isolated from <i>Sorghum bicolor</i> root hairs. <i>Journal of Biological Chemistry</i> , 2007 , 282, 4326-4335	5.4	36
105	The emergence of grass root chemical ecology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 16729-30	11.5	14
104	INTERACTIONS OF SYNTHETIC HERBICIDES WITH PLANT DISEASE AND MICROBIAL HERBICIDES 2007 , 277-296		15
103	Natural Products for Pest Management. <i>ACS Symposium Series</i> , 2006 , 2-21	0.4	29
102	The current status and environmental impacts of glyphosate-resistant crops: a review. <i>Journal of Environmental Quality</i> , 2006 , 35, 1633-58	3.4	268
101	The occurrence of hormesis in plants and algae. <i>Dose-Response</i> , 2006 , 5, 150-62	2.3	143
100	Antifungal activity of thiophenes from <i>Echinops ritro</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2006 , 54, 1651-5	5.7	56
99	Molecular and Biochemical Investigations of Sorgoleone Biosynthesis. <i>Recent Advances in Phytochemistry</i> , 2006 , 40, 157-177		
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