Stephen O Duke

List of Publications by Year
in descending order

263 papers	16,929 citations	16451 64 h-index	18130 120 g-index
278 all docs	278 docs citations	278 times ranked	12085 citing authors

#	Article	IF	Citations
1	Glyphosate: a onceâ€inâ€aâ€century herbicide. Pest Management Science, 2008, 64, 319-325.	3.4	1,253
2	Natural products in crop protection. Bioorganic and Medicinal Chemistry, 2009, 17, 4022-4034.	3.0	909
3	Biological stress response terminology: Integrating the concepts of adaptive response and preconditioning stress within a hormetic doseâ€"response framework. Toxicology and Applied Pharmacology, 2007, 222, 122-128.	2.8	631
4	Natural Products As Sources for New Pesticides. Journal of Natural Products, 2012, 75, 1231-1242.	3.0	457
5	Why have no new herbicide modes of action appeared in recent years?. Pest Management Science, 2012, 68, 505-512.	3.4	424
6	Natural products that have been used commercially as crop protection agents. Pest Management Science, 2007, 63, 524-554.	3.4	419
7	Overview of glyphosateâ€resistant weeds worldwide. Pest Management Science, 2018, 74, 1040-1049.	3.4	350
8	Mechanisms of evolved herbicide resistance. Journal of Biological Chemistry, 2020, 295, 10307-10330.	3.4	329
9	Weed and Crop Allelopathy. Critical Reviews in Plant Sciences, 2003, 22, 367-389.	5.7	325
10	The history and current status of glyphosate. Pest Management Science, 2018, 74, 1027-1034.	3.4	321
11	The Current Status and Environmental Impacts of Glyphosate-Resistant Crops. Journal of Environmental Quality, 2006, 35, 1633-1658.	2.0	317
12	Natural Compounds as Next-Generation Herbicides. Plant Physiology, 2014, 166, 1090-1105.	4.8	270
13	Cancer Chemopreventive and Antioxidant Activities of Pterostilbene, a Naturally Occurring Analogue of Resveratrol. Journal of Agricultural and Food Chemistry, 2002, 50, 3453-3457.	5.2	258
14	Investigating the Mode of Action of Natural Phytotoxins. Journal of Chemical Ecology, 2000, 26, 2079-2094.	1.8	246
15	Invited Paper:â€,Chemicals from nature for weed management. Weed Science, 2002, 50, 138-151.	1.5	233
16	Protoporphyrinogen Oxidase-Inhibiting Herbicides. Weed Science, 1991, 39, 465-473.	1.5	205
17	Glyphosate Effects on Plant Mineral Nutrition, Crop Rhizosphere Microbiota, and Plant Disease in Glyphosate-Resistant Crops. Journal of Agricultural and Food Chemistry, 2012, 60, 10375-10397.	5.2	203
18	Weed Management in 2050: Perspectives on the Future of Weed Science. Weed Science, 2018, 66, 275-285.	1.5	203

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19	Biopesticides: State of the Art and Future Opportunities. Journal of Agricultural and Food Chemistry, 2014, 62, 11613-11619.	5.2	201
20	Polyphenol oxidase: The chloroplast oxidase with no established function. Physiologia Plantarum, 1988, 72, 659-665.	5.2	195
21	Glyphosate applied at low doses can stimulate plant growth. Pest Management Science, 2008, 64, 489-496.	3.4	190
22	Aminomethylphosphonic Acid, a Metabolite of Glyphosate, Causes Injury in Glyphosate-Treated, Glyphosate-Resistant Soybean. Journal of Agricultural and Food Chemistry, 2004, 52, 5139-5143.	5.2	189
23	Taking stock of herbicide-resistant crops ten years after introduction. Pest Management Science, 2005, 61, 211-218.	3.4	181
24	Artemisinin, a Constituent of Annual Wormwood (<i>Artemisia annua</i>), is a Selective Phytotoxin. Weed Science, 1987, 35, 499-505.	1.5	176
25	The Occurrence of Hormesis in Plants and Algae. Dose-Response, 2007, 5, dose-response.0.	1.6	168
26	The inhibitory activity of natural products on plant p-hydroxyphenylpyruvate dioxygenase. Phytochemistry, 2002, 60, 281-288.	2.9	166
27	Rationale for a natural products approach to herbicide discovery. Pest Management Science, 2012, 68, 519-528.	3.4	166
28	Detoxification and Transcriptome Response in Arabidopsis Seedlings Exposed to the Allelochemical Benzoxazolin-2(3H)-one. Journal of Biological Chemistry, 2005, 280, 21867-21881.	3.4	165
29	Natural Fungicides fromRuta graveolensL. Leaves, Including a New Quinolone Alkaloid. Journal of Agricultural and Food Chemistry, 2003, 51, 890-896.	5.2	156
30	Natural products as sources for new mechanisms of herbicidal action. Crop Protection, 2000, 19, 583-589.	2.1	152
31	Glyphosate Degradation in Glyphosate-Resistant and -Susceptible Crops and Weeds. Journal of Agricultural and Food Chemistry, 2011, 59, 5835-5841.	5.2	149
32	Herbicides and plant hormesis. Pest Management Science, 2014, 70, 698-707.	3.4	149
33	Isoflavone, Glyphosate, and Aminomethylphosphonic Acid Levels in Seeds of Glyphosate-Treated, Glyphosate-Resistant Soybean. Journal of Agricultural and Food Chemistry, 2003, 51, 340-344.	5.2	146
34	Natural Toxins for Use in Pest Management. Toxins, 2010, 2, 1943-1962.	3.4	144
35	Tolerance and Accumulation of Shikimic Acid in Response to Glyphosate Applications in Glyphosate-Resistant and Nonglyphosate-Resistant Cotton (Gossypium hirsutumL.). Journal of Agricultural and Food Chemistry, 2002, 50, 506-512.	5.2	129
36	Somatic mutation-mediated evolution of herbicide resistance in the nonindigenous invasive plant hydrilla (Hydrilla verticillata). Molecular Ecology, 2004, 13, 3229-3237.	3.9	120

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37	Sorgoleone. Phytochemistry, 2010, 71, 1032-1039.	2.9	120
38	A New Photosystem II Electron Transfer Inhibitor from Sorghum bicolor. Journal of Natural Products, 1998, 61, 927-930.	3.0	118
39	Perspectives on transgenic, herbicideâ€resistant crops in the United States almost 20 years after introduction. Pest Management Science, 2015, 71, 652-657.	3.4	110
40	Glyphosate induction of elevated levels of hydroxybenzoic acids in higher plants. Journal of Agricultural and Food Chemistry, 1988, 36, 813-818.	5.2	103
41	Aminomethylphosphonic Acid Accumulation in Plant Species Treated with Glyphosate. Journal of Agricultural and Food Chemistry, 2008, 56, 2125-2130.	5.2	102
42	Porphyrin synthesis is required for photobleaching activity of the p-nitrosubstituted diphenyl ether herbicides. Pesticide Biochemistry and Physiology, 1988, 31, 74-83.	3.6	101
43	p-Hydroxyphenylpyruvate dioxygenase is a herbicidal target site for Î²-triketones from Leptospermum scoparium. Phytochemistry, 2007, 68, 2004-2014.	2.9	100
44	Alkylresorcinol Synthases Expressed in <i>Sorghum bicolor</i> Root Hairs Play an Essential Role in the Biosynthesis of the Allelopathic Benzoquinone Sorgoleone Â. Plant Cell, 2010, 22, 867-887.	6.6	97
45	Modes of Action of Microbially-Produced Phytotoxins. Toxins, 2011, 3, 1038-1064.	3.4	96
46	Pesticide effects on secondary metabolism of higher plants. Pest Management Science, 1989, 25, 361-373.	0.4	94
47	Structure-dependent phytotoxicity of fumonisins and related compounds in a duckweed bioassay. Phytochemistry, 1993, 33, 779-785.	2.9	93
48	Dehydrozaluzanin C, a natural sesquiterpenolide, causes rapid plasma membrane leakage. Phytochemistry, 1999, 52, 805-813.	2.9	93
49	A Functional Genomics Investigation of Allelochemical Biosynthesis in Sorghum bicolor Root Hairs. Journal of Biological Chemistry, 2008, 283, 3231-3247.	3.4	88
50	DOSEâ€"RESPONSE RELATIONSHIPS BETWEEN HERBICIDES WITH DIFFERENT MODES OF ACTION AND GROWTH OF LEMNA PAUCICOSTATA: AN IMPROVED ECOTOXICOLOGICAL METHOD. Environmental Toxicology and Chemistry, 2004, 23, 1074.	4.3	83
51	Glyphosate-Resistant Weeds: Current Status and Future Outlook. Outlooks on Pest Management, 2005, 16, 183-187.	0.2	83
52	Proving Allelopathy in Cropâ€"Weed Interactions. Weed Science, 2015, 63, 121-132.	1.5	83
53	Production of hydroxybenzoic acids by Bradyrhizobium japonicum strains after treatment with glyphosate. Journal of Agricultural and Food Chemistry, 1992, 40, 289-293.	5.2	81
54	Effects of Glyphosate on Metabolism of Phenolic Compounds. III. Phenylalanine Ammonia-Lyase Activity, Free Amino Acids, Soluble Protein and Hydroxyphenolic Compounds in Axes of Dark-Grown Soybeans. Physiologia Plantarum, 1979, 46, 357-366.	5.2	77

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55	Tentoxin stops the processing of polyphenol oxidase into an active protein. Physiologia Plantarum, 1984, 60, 257-261.	5.2	77
56	Glyphosate-Resistant and -Susceptible Soybean (Glycine max) and Canola (Brassica napus) Dose Response and Metabolism Relationships with Glyphosate. Journal of Agricultural and Food Chemistry, 2007, 55, 3540-3545.	5.2	77
57	Is (â^')-Catechin a Novel Weapon of Spotted Knapweed (Centaurea stoebe)?. Journal of Chemical Ecology, 2009, 35, 141-153.	1.8	77
58	Composition and Some Biological Activities of the Essential Oil ofCallicarpaamericana(L.). Journal of Agricultural and Food Chemistry, 2000, 48, 3008-3012.	5.2	74
59	Effects of Glyphosate on Metabolism of Phenolic Compounds. Plant Physiology, 1980, 65, 17-21.	4.8	72
60	Glyphosate Tolerance Mechanism in Italian Ryegrass (<i>Lolium multiflorum</i>) from Mississippi. Weed Science, 2008, 56, 344-349.	1.5	72
61	Multiple Resistance to Glyphosate and Pyrithiobac in Palmer Amaranth (<i>Amaranthus palmeri</i>) from Mississippi and Response to Flumiclorac. Weed Science, 2012, 60, 179-188.	1.5	72
62	Tentoxin-induced loss of plastidic polyphenol oxidase. Physiologia Plantarum, 1981, 53, 421-428.	5.2	70
63	Antifungal Activity of Thiophenes fromEchinops ritro. Journal of Agricultural and Food Chemistry, 2006, 54, 1651-1655.	5.2	70
64	Structure Simplification of Natural Products as a Lead Generation Approach in Agrochemical Discovery. Journal of Agricultural and Food Chemistry, 2021, 69, 8324-8346.	5.2	68
65	Glyphosate effects on shikimate pathway products in leaves and flowers of velvetleaf. Phytochemistry, 1989, 28, 695-699.	2.9	66
66	A Rapid Bioassay for Selective Algicides. Weed Technology, 1997, 11, 767-774.	0.9	66
67	Phytotoxins from the Leaves ofRuta graveolens. Journal of Agricultural and Food Chemistry, 2004, 52, 3345-3349.	5.2	65
68	Synthesis and Pesticidal Activities of New Quinoxalines. Journal of Agricultural and Food Chemistry, 2020, 68, 7324-7332.	5.2	65
69	Herbicide Metabolism: Crop Selectivity, Bioactivation, Weed Resistance, and Regulation. Weed Science, 2019, 67, 149-175.	1.5	62
70	Strategies for Using Transgenes to Produce Allelopathic Crops1. Weed Technology, 2001, 15, 826-834.	0.9	61
71	Agricultural Impacts of Glyphosate-Resistant Soybean Cultivation in South America. Journal of Agricultural and Food Chemistry, 2011, 59, 5799-5807.	5.2	61
72	Growth Regulation and Other Secondary Effects of Herbicides. Weed Science, 2010, 58, 351-354.	1.5	59

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73	New directions for integrated weed management: Modern technologies, tools and knowledge discovery. Advances in Agronomy, 2019, 155, 243-319.	5.2	59
74	Herbicides as Probes in Plant Biology. Weed Science, 2010, 58, 340-350.	1.5	58
75	Metabolic Profiling and Enzyme Analyses Indicate a Potential Role of Antioxidant Systems in Complementing Glyphosate Resistance in an <i>Amaranthus palmeri</i> Biotype. Journal of Agricultural and Food Chemistry, 2015, 63, 9199-9209.	5.2	58
76	Biochemical and structural consequences of a glycine deletion in the Î±-8 helix of protoporphyrinogen oxidase. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2010, 1804, 1548-1556.	2.3	57
77	Herbicide-Resistant Field Crops. Advances in Agronomy, 1995, , 69-116.	5.2	55
78	Comparing Conventional and Biotechnology-Based Pest Management. Journal of Agricultural and Food Chemistry, 2011, 59, 5793-5798.	5.2	53
79	Low doses of glyphosate enhance growth, CO₂ assimilation, stomatal conductance and transpiration in sugarcane and eucalyptus. Pest Management Science, 2018, 74, 1197-1205.	3.4	53
80	Protoporphyrinogen Oxidase-Inhibiting Herbicides. , 2010, , 1733-1751.		50
81	Potential Ecological Roles of Artemisinin Produced by Artemisia annua L.. Journal of Chemical Ecology, 2014, 40, 100-117.	1.8	50
82	Glyphosate: environmental fate and impact. Weed Science, 2020, 68, 201-207.	1.5	50
83	Effects of Glyphosate on Metabolism of Phenolic Compounds. IV. Phenylalanine Ammonia-Lyase Activity, Free Amino Acids, and Soluble Hydroxyphenolic Compounds in Axes of Light-Grown Soybeans. Physiologia Plantarum, 1979, 46, 307-317.	5.2	49
84	The search for new herbicide mechanisms of action: Is there a â€˜holy grailâ€™?. Pest Management Science, 2022, 78, 1303-1313.	3.4	49
85	Laboratory assessment of the allelopathic effects of fine leaf fescues. Journal of Chemical Ecology, 2003, 29, 1919-1937.	1.8	47
86	Review of potential environmental impacts of transgenic glyphosate-resistant soybean in Brazil. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2007, 42, 539-549.	1.5	47
87	Evolution of resistance to phytoene desaturase and protoporphyrinogen oxidase inhibitorsÂâ€"Âstate of knowledge. Pest Management Science, 2014, 70, 1358-1366.	3.4	47
88	Weeding with transgenes. Trends in Biotechnology, 2003, 21, 192-195.	9.3	46
89	Interaction of Chemical Pesticides and Their Formulation Ingredients with Microbes Associated with Plants and Plant Pests. Journal of Agricultural and Food Chemistry, 2018, 66, 7553-7561.	5.2	46
90	Omics Methods for Probing the Mode of Action of Natural and Synthetic Phytotoxins. Journal of Chemical Ecology, 2013, 39, 333-347.	1.8	45

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91	Alkylresorcinol biosynthesis in plants. Plant Signaling and Behavior, 2010, 5, 1286-1289.	2.4	43
92	Hormesis with glyphosate depends on coffee growth stage. Anais Da Academia Brasileira De Ciencias, 2013, 85, 813-822.	0.8	43
93	Khellin and Visnagin, Furanochromones from <i>Ammi visnaga</i> (L.) Lam., as Potential Bioherbicides. Journal of Agricultural and Food Chemistry, 2016, 64, 9475-9487.	5.2	43
94	Stable Isotope Resolved Metabolomics Reveals the Role of Anabolic and Catabolic Processes in Glyphosate-Induced Amino Acid Accumulation in <i>Amaranthus palmeri</i> Biotypes. Journal of Agricultural and Food Chemistry, 2016, 64, 7040-7048.	5.2	43
95	Synthesis, Crystal Structure, Herbicidal Activity, and SAR Study of Novel <i>N</i>-(Arylmethoxy)-2-chloronicotinamides Derived from Nicotinic Acid. Journal of Agricultural and Food Chemistry, 2021, 69, 6423-6430.	5.2	41
96	Joint action of natural and synthetic photosystem II inhibitors. Pest Management Science, 1999, 55, 137-146.	0.4	40
97	Structural Activity Relationship Studies of Zebra Mussel Antifouling and Antimicrobial Agents from Verongid Sponges. Journal of Natural Products, 2004, 67, 2117-2120.	3.0	39
98	Phytotoxic and Antifungal Compounds from Two Apiaceae Species, Lomatium californicum and Ligusticum hultenii, Rich Sources of Z-ligustilide and Apiol, Respectively. Journal of Chemical Ecology, 2005, 31, 1567-1578.	1.8	39
99	Functional Characterization of Desaturases Involved in the Formation of the Terminal Double Bond of an Unusual 16:3î”9, 12, 15 Fatty Acid Isolated from Sorghum bicolor Root Hairs. Journal of Biological Chemistry, 2007, 282, 4326-4335.	3.4	39
100	Herbicide and Pharmaceutical Relationships. Weed Science, 2010, 58, 334-339.	1.5	39
101	Identification of molecular pathways affected by pterostilbene, a natural dimethylether analog of resveratrol. BMC Medical Genomics, 2008, 1, 7.	1.5	37
102	Validation of serine/threonine protein phosphatase as the herbicide target site of endothall. Pesticide Biochemistry and Physiology, 2012, 102, 38-44.	3.6	36
103	Omics in Weed Science: A Perspective from Genomics, Transcriptomics, and Metabolomics Approaches. Weed Science, 2018, 66, 681-695.	1.5	36
104	A novel genomic approach to herbicide and herbicide mode of action discovery. Pest Management Science, 2019, 75, 314-317.	3.4	36
105	Lack of transgene and glyphosate effects on yield, and mineral and amino acid content of glyphosateâ€resistant soybean. Pest Management Science, 2018, 74, 1166-1173.	3.4	35
106	Tentoxin does not cause chlorosis in greening mung bean leaves by inhibiting photophosphorylation. Physiologia Plantarum, 1982, 56, 387-398.	5.2	34
107	Acifluorfen-methyl effects on porphyrin synthesis in Lemna pausicostata Hegelm. 6746. Journal of Agricultural and Food Chemistry, 1990, 38, 2066-2071.	5.2	34
108	New Class of Algicidal Compounds and Fungicidal Activities Derived from a Chromene Amide of Amyris texana. Journal of Agricultural and Food Chemistry, 2010, 58, 9476-9482.	5.2	34

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109	Transcriptional responses to cantharidin, a protein phosphatase inhibitor, in <i>Arabidopsis thaliana</i> reveal the involvement of multiple signal transduction pathways. Physiologia Plantarum, 2011, 143, 188-205.	5.2	33
110	Soil Microbial Communities in Diverse Agroecosystems Exposed to the Herbicide Glyphosate. Applied and Environmental Microbiology, 2020, 86, .	3.1	33
111	Natural Products for Pest Management. ACS Symposium Series, 2006, , 2-21.	0.5	32
112	Discovery for New Herbicide Sites of Action by Quantification of Plant Primary Metabolite and Enzyme Pools. Engineering, 2020, 6, 509-514.	6.7	32
113	Phytotoxicity of constituents of glandular trichomes and the leaf surface of camphorweed, Heterotheca subaxillaris. Phytochemistry, 2009, 70, 69-74.	2.9	31
114	Effects of the aglycone of ascaulitoxin on amino acid metabolism in Lemna paucicostata. Pesticide Biochemistry and Physiology, 2011, 100, 41-50.	3.6	31
115	Phytotoxicity of Fumonisins and Rfzated Compounds. Toxin Reviews, 1993, 12, 225-251.	1.5	30
116	Phytotoxic Eremophilanes from Ligularia macrophylla. Journal of Agricultural and Food Chemistry, 2007, 55, 10656-10663.	5.2	29
117	In situ localization of the sites of paraquat action.. Plant, Cell and Environment, 1983, 6, 13-20.	5.7	28
118	Colletotrichin Causes Rapid Membrane Damage to Plant Cells. Journal of Phytopathology, 1992, 134, 289-305.	1.0	28
119	Strategies for the Use of Natural Products for Weed Management. Journal of Pesticide Sciences, 2002, 27, 298-306.	1.4	28
120	Natural Products for Weed Management in Organic Farming in the USA. Outlooks on Pest Management, 2010, 21, 156-160.	0.2	28
121	Bioassay-Directed Isolation and Identification of Phytotoxic and Fungitoxic Acetylenes from Conyza canadensis. Journal of Agricultural and Food Chemistry, 2012, 60, 5893-5898.	5.2	28
122	A cytochrome P450 <scp>CYP</scp>71 enzyme expressed in <i>Sorghum bicolor</i> root hair cells participates in the biosynthesis of the benzoquinone allelochemical sorgoleone. New Phytologist, 2018, 218, 616-629.	7.3	28
123	Phytochrome Control of Longitudinal Growth and Phytochrome Synthesis in Maize Seedlings. Physiologia Plantarum, 1977, 40, 59-68.	5.2	27
124	The role of protoporphyrin IX in the mechanism of action of diphenyl ether herbicides. Pest Management Science, 1990, 30, 367-378.	0.4	27
125	Zebra Mussel Antifouling Activity of the Marine Natural Product Aaptamine and Analogs. Marine Biotechnology, 2006, 8, 366-372.	2.4	27
126	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

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127	SIGNIFICANCE OF FLUENCE-RESPONSE DATA IN PHYTOCHROME-INITIATED SEED GERMINATION. Photochemistry and Photobiology, 1978, 28, 383-388.	2.5	26
128	Biological Activity of Allelochemicals. , 2009, , 361-384.		26
129	Tabanone, a New Phytotoxic Constituent of Cogongrass (<i>Imperata cylindrica</i>). Weed Science, 2012, 60, 212-218.	1.5	26
130	Antiplasmodial and Cytotoxic Cytochalasins from an Endophytic Fungus, Nemania sp. UM10M, Isolated from a Diseased Torreya taxifolia Leaf. Molecules, 2019, 24, 777.	3.8	26
131	Amino- and Urea-Substituted Thiazoles Inhibit Photosynthetic Electron Transfer. Journal of Agricultural and Food Chemistry, 2000, 48, 3689-3693.	5.2	25
132	Isolation and Identification of Antifungal Fatty Acids from the Basidiomycete Gomphus floccosus. Journal of Agricultural and Food Chemistry, 2008, 56, 5062-5068.	5.2	25
133	The potential future roles of natural compounds and microbial bioherbicides in weed management in crops. Advances in Weed Science, 2022, 40, .	1.2	25
134	Effects of Glyphosate on the Mineral Content of Glyphosate-Resistant Soybeans (<i>Glycine max</i>). Journal of Agricultural and Food Chemistry, 2012, 60, 6764-6771.	5.2	24
135	Possible Glyphosate Tolerance Mechanism in Pitted Morningglory (<i>Ipomoea lacunosa</i> L.). Journal of Agricultural and Food Chemistry, 2015, 63, 1689-1697.	5.2	24
136	Glyphosate: The world's most successful herbicide under intense scientific scrutiny. Pest Management Science, 2018, 74, 1025-1026.	3.4	23
137	Isolation of a phytotoxic isocoumarin from <i>Diaporthe eresâ€</i>infected <scp><i>Hedera helix</i></scp> (English ivy) and synthesis of its phytotoxic analogs. Pest Management Science, 2018, 74, 37-45.	3.4	23
138	INTERACTIONS OF SYNTHETIC HERBICIDES WITH PLANT DISEASE AND MICROBIAL HERBICIDES. , 2007, , 277-296.		22
139	Herbicide Mechanisms of Action and Resistance. , 2019, , 36-48.		22
140	Terpenoids from the Genus Artemisia as Potential Pesticides. ACS Symposium Series, 1988, , 318-334.	0.5	21
141	Protoporphyrinogen Oxidase as the Optimal Herbicide Site in the Porphyrin Pathway. ACS Symposium Series, 1994, , 191-204.	0.5	21
142	Molluscicidal activity of vulgarone B fromArtemisia douglasiana(Besser) against the invasive, alien, mollusc pest,Pomacea canaliculata(Lamarck). International Journal of Pest Management, 2005, 51, 175-180.	1.8	21
143	The case against (â€“)-catechin involvement in allelopathy of<i>Centaurea stoebe</i>(spotted) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.4	21
144	Similarities between the discovery and regulation of pharmaceuticals and pesticides: in support of a better understanding of the risks and benefits of each. Pest Management Science, 2011, 67, 790-797.	3.4	21

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145	Antiprotozoal and Antimicrobial Compounds from the Plant Pathogen <i>Septoria pistaciarum</i>. Journal of Natural Products, 2012, 75, 883-889.	3.0	21
146	Novel Dioxolane Ring Compounds for the Management of Phytopathogen Diseases as Ergosterol Biosynthesis Inhibitors: Synthesis, Biological Activities, and Molecular Docking. Journal of Agricultural and Food Chemistry, 2022, 70, 4303-4315.	5.2	21
147	Tentoxin effects on infrastructure and greening of ivyleaf morningglory (Ipomoea hederacea var.) Tj ETQq1 1 0.784314 rgBT /Overlock 1	5.2	20
148	Effects of glyphosate on uptake, translocation, and intracellular localization of metal cations in soybean (Glycine max) seedlings. Pesticide Biochemistry and Physiology, 1985, 24, 384-394.	3.6	20
149	Naturalâ€productâ€based chromenes as a novel class of potential termiticides. Pest Management Science, 2011, 67, 1446-1450.	3.4	20
150	Enhanced Metabolic Degradation: The Last Evolved Glyphosate Resistance Mechanism of Weeds?. Plant Physiology, 2019, 181, 1401-1403.	4.8	20
151	Proving the Mode of Action of Phytotoxic Phytochemicals. Plants, 2020, 9, 1756.	3.5	20
152	Biosynthesis of Phenolic Compounds. ACS Symposium Series, 1985, , 113-131.	0.5	19
153	Photosensitizing Porphyrins as Herbicides. ACS Symposium Series, 1991, , 371-386.	0.5	19
154	Antagonism of BAS 625 by selected broadleaf herbicides and the role of ethanol. Weed Science, 2000, 48, 181-187.	1.5	19
155	Evaluation of Ferulic Acid for Controlling the Musty-Odor Cyanobacterium,Oscillatoria perornata, in Aquaculture Ponds. Journal of Applied Aquaculture, 2000, 10, 1-16.	1.4	19
156	Gene transcription profiles of Saccharomyces cerevisiae after treatment with plant protection fungicides that inhibit ergosterol biosynthesis. Pesticide Biochemistry and Physiology, 2005, 82, 133-153.	3.6	19
157	Biologically Active Tetranorditerpenoids from the Fungus <i>Sclerotinia homoeocarpa</i> Causal Agent of Dollar Spot in Turfgrass. Journal of Natural Products, 2009, 72, 2091-2097.	3.0	19
158	Effects of glyphosate-resistant crop cultivation on soil and water quality. GM Crops, 2010, 1, 16-24.	1.9	19
159	Discovery and structure activity relationships of 2-pyrazolines derived from chalcones from a pest management perspective. Medicinal Chemistry Research, 2015, 24, 3632-3644.	2.4	18
160	Glyphosate-Resistant and Conventional Canola (<i>Brassica napus</i> L.) Responses to Glyphosate and Aminomethylphosphonic Acid (AMPA) Treatment. Journal of Agricultural and Food Chemistry, 2016, 64, 3508-3513.	5.2	18
161	Synthesis and Herbicidal Activity of 1,2,4â€Triazole Derivatives Containing a Pyrazole Moiety. Journal of Heterocyclic Chemistry, 2019, 56, 968-971.	2.6	18
162	Glyphosate: Uses Other Than in Glyphosate-Resistant Crops, Mode of Action, Degradation in Plants, and Effects on Non-target Plants and Agricultural Microbes. Reviews of Environmental Contamination and Toxicology, 2020, 255, 1-65.	1.3	18

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163	The potential influence of hormesis on evolution of resistance to herbicides. Current Opinion in Environmental Science and Health, 2022, , 100360.	4.1	18
164	Structureâ€"Activity Relationships of Protoporphyrinogen Oxidase Inhibiting Herbicides. ACS Symposium Series, 1994, , 133-146.	0.5	17
165	Relationships Between Phenylalanine Ammonia-Lyase Activity and Physiological Responses of Soybean (<i>Glycine max</i>) Seedlings to Herbicides. Weed Science, 1983, 31, 845-852.	1.5	16
166	Natural Products with Potential Use as Herbicides. ACS Symposium Series, 1994, , 348-362.	0.5	16
167	Clues to New Herbicide Mechanisms of Action from Natural Sources. ACS Symposium Series, 2013, , 203-215.	0.5	16
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