

# Dale R Gardner

## List of Publications by Year in descending order

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117  
papers

2,125  
citations

218677

26  
h-index

315739

38  
g-index

117  
all docs

117  
docs citations

117  
times ranked

1101  
citing authors

#	ARTICLE	IF	CITATIONS
1	Toxic plants. , 2022, , 933-953.		0
2	Localization of the Swainsonine-Producing Chaetothyriales Symbiont in the Seed and Shoot Apical Meristem in Its Host Ipomoea carnea. Microorganisms, 2022, 10, 545.	3.6	8
3	Mineral-salt supplementation to ameliorate larkspur poisoning in cattle. Journal of Animal Science, 2022, , .	0.5	1
4	Phylogenetic Patterns of Swainsonine Presence in Morning Glories. Frontiers in Microbiology, 2022, 13, 871148.	3.5	3
5	Herbicidal control of deathcamas (<i>Zigadenus paniculatus</i>). Weed Technology, 2021, 35, 380-384.	0.9	0
6	A suite of rare microbes interacts with a dominant, heritable, fungal endophyte to influence plant trait expression. ISME Journal, 2021, 15, 2763-2778.	9.8	19
7	Clinical, pathologic, and toxicologic characterization of<i> Salvia reflexa</i>(lance-leaf sage) poisoning in cattle fed contaminated hay. Journal of Veterinary Diagnostic Investigation, 2021, 33, 538-547.	1.1	4
8	Use of Herbarium Voucher Specimens To Investigate Phytochemical Composition in Poisonous Plant Research. Journal of Agricultural and Food Chemistry, 2021, 69, 4037-4047.	5.2	5
9	Toxicity of the swainsonine-containing plant Ipomoea carnea subsp. fistulosa for goats and sheep. Toxicon, 2021, 197, 40-47.	1.6	1
10	Hepatotoxicity in Cattle Associated with Salvia reflexa Diterpenes, including 7-Hydroxyrhyacophiline, a New Seco-Clerodane Diterpene. Journal of Agricultural and Food Chemistry, 2021, 69, 1251-1258.	5.2	1
11	Fatal stagger poisoning by consumption of Festuca argentina (Speg.) Parodi in goats from Argentine Patagonia. Toxicon, 2020, 186, 191-197.	1.6	4
12	Diterpenoids from Gutierrezia sarothrae and G. microcephala: Chemical diversity, chemophenetics and implications to toxicity in grazing livestock. Phytochemistry, 2020, 178, 112465.	2.9	3
13	Seasonal variation in toxic steroidal alkaloids of foothill death camas (Zigadenus paniculatus). Biochemical Systematics and Ecology, 2020, 90, 104044.	1.3	4
14	Analysis of rumen contents and ocular fluid for toxic alkaloids from goats and cows dosed larkspur (Delphinium barbeyi), lupine (Lupinus leucophyllus), and death camas (Zigadenus paniculatus). Toxicon, 2020, 176, 21-29.	1.6	7
15	Spontaneous abortion in cattle after consumption of Hesperocyparis (Cupressus) macrocarpa (Hartw.) Bartel and Cupressus arizonica (Greene) needles in Uruguay. Toxicon, 2020, 181, 53-56.	1.6	5
16	Biodiversity of Convolvulaceous species that contain ergot alkaloids, indole diterpene alkaloids, and swainsonine. Biochemical Systematics and Ecology, 2019, 86, 103921.	1.3	10
17	Detection of swainsonine-producing endophytes in Patagonian Astragalus species. Toxicon, 2019, 171, 1-6.	1.6	10
18	Clinical and pathological comparison of Astragalus lentiginosus and Ipomoea carnea poisoning in goats. Toxicon, 2019, 171, 20-28.	1.6	5

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19	Animal and plant factors which affect larkspur toxicosis in cattle: Sex, age, breed, and plant chemotype. <i>Toxicon</i> , 2019, 165, 31-39.	1.6	8
20	Evaluation of noninvasive specimens to diagnose livestock exposure to toxic larkspur ( <i>Delphinium</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.6	10
21	Sex-dependent differences for larkspur ( <i>Delphinium barbeyi</i> ) toxicosis in yearling Angus cattle1. <i>Journal of Animal Science</i> , 2019, 97, 1424-1432.	0.5	8
22	Poisonous Plants. , 2019, , 627-652.		1
23	The effect of alkaloid composition of larkspur ( <i>Delphinium</i> ) species on the intoxication of Angus heifers1. <i>Journal of Animal Science</i> , 2019, 97, 1415-1423.	0.5	4
24	Finding the bad actor: Challenges in identifying toxic constituents in botanical dietary supplements. <i>Food and Chemical Toxicology</i> , 2019, 124, 431-438.	3.6	15
25	Spontaneous outbreak of <i>Astragalus pehuenches</i> (Fabaceae) poisoning in cattle in Argentina. <i>Toxicon</i> , 2019, 157, 84-86.	1.6	11
26	An Evaluation of Hair, Oral Fluid, Earwax, and Nasal Mucus as Noninvasive Specimens to Determine Livestock Exposure to Teratogenic Lupine Species. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 43-49.	5.2	6
27	Experimental poisoning by <i>Crotalaria lanceolata</i> and <i>Crotalaria pallida</i> seeds in broilers. <i>Pesquisa Veterinaria Brasileira</i> , 2019, 39, 863-869.	0.5	1
28	Chemical Analysis of Plants that Poison Livestock: Successes, Challenges, and Opportunities. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 3308-3314.	5.2	11
29	A heritable symbiont and host-associated factors shape fungal endophyte communities across spatial scales. <i>Journal of Ecology</i> , 2018, 106, 2274-2286.	4.0	19
30	Detection of swainsonine and calystegines in Convolvulaceae species from the semiarid region of Pernambuco. <i>Pesquisa Veterinaria Brasileira</i> , 2018, 38, 2044-2051.	0.5	11
31	Experimental poisoning in broiler chickens by <i>Senecio vernonioides</i> , <i>Senecio conyzaefolius</i> and <i>Senecio paulensis</i> . <i>Pesquisa Veterinaria Brasileira</i> , 2018, 38, 2065-2069.	0.5	0
32	<i>Ipomoea brasiliana</i> poisoning on buck reproduction. <i>Ciencia Rural</i> , 2018, 48, .	0.5	1
33	Tremorgenic Indole Diterpenes from <i>Ipomoea asarifolia</i> and <i>Ipomoea muelleri</i> and the Identification of 6,7-Dehydro-11-hydroxy-12,13-epoxyterpendole A. <i>Journal of Natural Products</i> , 2018, 81, 1682-1686.	3.0	16
34	Poisonous Plants of the United States. , 2018, , 837-889.		3
35	Swainsonine-induced lysosomal storage disease in goats caused by the ingestion of <i>Sida rodrigo</i> Monteiro in North-western Argentina. <i>Toxicon</i> , 2017, 128, 1-4.	1.6	14
36	A Gas Chromatography-Mass Spectrometry Method for the Detection and Quantitation of Monofluoroacetate in Plants Toxic to Livestock. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 1428-1433.	5.2	11

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37	Effects of Elevated CO <sub>2</sub> on the Swainsonine Chemotypes of <i>Astragalus lentiginosus</i> and <i>Astragalus mollissimus</i> . <i>Journal of Chemical Ecology</i> , 2017, 43, 307-316.	1.8	4
38	A Screen for Swainsonine in Select North American <i>Astragalus</i> Species. <i>Chemistry and Biodiversity</i> , 2017, 14, e1600364.	2.1	8
39	<i>Senecio grisebachii</i> Baker: Pyrrolizidine alkaloids and experimental poisoning in calves. <i>Toxicon</i> , 2017, 133, 68-73.	1.6	8
40	Identification of Indole Diterpenes in <i>Ipomoea asarifolia</i> and <i>Ipomoea muelleri</i> , Plants Tremorgenic to Livestock. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 5266-5277.	5.2	25
41	Screening for swainsonine among South American <i>Astragalus</i> species. <i>Toxicon</i> , 2017, 139, 54-57.	1.6	15
42	Two <i>Delphinium ramosum</i> chemotypes, their biogeographical distribution and potential toxicity. <i>Biochemical Systematics and Ecology</i> , 2017, 75, 1-9.	1.3	8
43	Toxic plants. , 2017, , 903-923.		0
44	A survey of swainsonine content in <i>Swainsona</i> species. <i>Rangeland Journal</i> , 2017, 39, 213.	0.9	8
45	The Effect of Co-Administration of Death Camas ( <i>Zigadenus</i> spp.) and Low Larkspur ( <i>Delphinium</i> spp.) in Cattle. <i>Toxins</i> , 2016, 8, 21.	3.4	4
46	A swainsonine survey of North American <i>Astragalus</i> and <i>Oxytropis</i> taxa implicated as locoweeds. <i>Toxicon</i> , 2016, 118, 104-111.	1.6	23
47	Fungicide treatment and clipping of <i>Oxytropis sericea</i> does not disrupt swainsonine concentrations. <i>Toxicon</i> , 2016, 122, 26-30.	1.6	1
48	Analysis of Swainsonine and Swainsonine <i>N</i> -Oxide as Trimethylsilyl Derivatives by Liquid Chromatography–Mass Spectrometry and Their Relative Occurrence in Plants Toxic to Livestock. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 6156-6162.	5.2	5
49	Pro-toxic 1,2-Dehydropyrrolizidine Alkaloid Esters, Including Unprecedented 10-Membered Macrocyclic Diesters, in the Medicinally-used <i>Alafia</i> cf. <i>caudata</i> and <i>Amphineurion marginatum</i> (Apocynaceae: Apocynoideae: Nerieae and Apocyneae). <i>Phytochemical Analysis</i> , 2016, 27, 257-276.	2.4	19
50	Activity of pyrrolizidine alkaloids against biofilm formation and <i>Trichomonas vaginalis</i> . <i>Biomedicine and Pharmacotherapy</i> , 2016, 83, 323-329.	5.6	15
51	Seasonal variation in the secondary chemistry of foliar and reproductive tissues of <i>Delphinium nuttallianum</i> . <i>Biochemical Systematics and Ecology</i> , 2016, 65, 93-99.	1.3	3
52	Adverse Effects of Larkspur ( <i>Delphinium</i> spp.) on Cattle. <i>Agriculture (Switzerland)</i> , 2015, 5, 456-474.	3.1	7
53	The serum concentrations of lupine alkaloids in orally-dosed Holstein cattle. <i>Research in Veterinary Science</i> , 2015, 100, 239-244.	1.9	9
54	A Survey of Tremetone, Dehydrotremetone, and Structurally Related Compounds in <i>Isocoma</i> spp. (Goldenbush) in the Southwestern United States. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 872-879.	5.2	9

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55	Pine needle abortion biomarker detected in bovine fetal fluids. <i>Journal of Veterinary Diagnostic Investigation</i> , 2015, 27, 74-79.	1.1	5
56	The effect of western juniper on the estrous cycle in beef cattle. <i>Research in Veterinary Science</i> , 2015, 98, 16-18.	1.9	5
57	Changes in swainsonine, calystegine, and nitrogen concentrations on an annual basis in <i>Ipomoea carnea</i> . <i>Toxicon</i> , 2015, 95, 62-66.	1.6	8
58	The relative toxicity of <i>Delphinium stachydeum</i> in mice and cattle. <i>Toxicon</i> , 2015, 99, 36-43.	1.6	14
59	The non-competitive blockade of GABAA receptors by an aqueous extract of water hemlock ( <i>Cicuta</i> ) Tj ETQq1 1 0.784314 rgBT /Overlo	1.6	13
60	Differences between Angus and Holstein cattle in the <i>Lupinus leucophyllus</i> induced inhibition of fetal activity. <i>Toxicon</i> , 2015, 106, 1-6.	1.6	10
61	Evaluation of the Seasonal and Annual Abortifacient Risk of Western Juniper Trees on Oregon Rangelands. <i>Rangelands</i> , 2015, 37, 139-143.	1.9	1
62	Mitigation of Larkspur Poisoning on Rangelands Through the Selection of Cattle. <i>Rangelands</i> , 2014, 36, 10-15.	1.9	22
63	Poisonous plants. , 2014, , 563-589.		4
64	Teratogenic Effects of <i>Mimosa tenuiflora</i> in a Rat Model and Possible Role of <i>N</i> -Methyl- and <i>N,N</i> -Dimethyltryptamine. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 7398-7401.	5.2	21
65	Detection of toxic monofluoroacetate in <i>Palicourea</i> species. <i>Toxicon</i> , 2014, 80, 9-16.	1.6	33
66	Swainsonine-Containing Plants and Their Relationship to Endophytic Fungi. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 7326-7334.	5.2	103
67	Profiling of Dehydropyrrolizidine Alkaloids and their <i>N</i> -Oxides in Herbarium-Preserved Specimens of <i>Amsinckia</i> Species Using HPLC-esi(+)MS. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 7382-7392.	5.2	13
68	If One Plant Toxin Is Harmful to Livestock, What about Two?. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 7363-7369.	5.2	2
69	Production of the Alkaloid Swainsonine by a Fungal Endophyte in the Host <i>Swainsona canescens</i> . <i>Journal of Natural Products</i> , 2013, 76, 1984-1988.	3.0	55
70	A Comparison of the Abortifacient Risk of Western Juniper Trees in Oregon. <i>Rangelands</i> , 2013, 35, 40-44.	1.9	6
71	Effect of $\pm 7$ nicotinic acetylcholine receptor agonists and antagonists on motor function in mice. <i>Toxicology and Applied Pharmacology</i> , 2013, 266, 366-374.	2.8	20
72	Norditerpene alkaloid concentrations in tissues and floral rewards of larkspurs and impacts on pollinators. <i>Biochemical Systematics and Ecology</i> , 2013, 48, 123-131.	1.3	61

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73	The alkaloid profiles of <i>Sophora nuttalliana</i> and <i>Sophora stenophylla</i> . <i>Biochemical Systematics and Ecology</i> , 2013, 48, 58-64.	1.3	12
74	Alkaloid profiles of <i>Dermatophyllum arizonicum</i> , <i>Dermatophyllum gypsophilum</i> , <i>Dermatophyllum secundiflorum</i> , <i>Styphnolobium affine</i> , and <i>Styphnolobium japonicum</i> previously classified as <i>Sophora</i> species. <i>Biochemical Systematics and Ecology</i> , 2013, 49, 87-93.	1.3	7
75	Ptaquiloside reduces NK cell activities by enhancing metallothionein expression, which is prevented by selenium. <i>Toxicology</i> , 2013, 304, 100-108.	4.2	13
76	A toxicokinetic comparison of two species of low larkspur ( <i>Delphinium</i> spp.) in cattle. <i>Research in Veterinary Science</i> , 2013, 95, 612-615.	1.9	14
77	Selected Poisonous Plants Affecting Animal and Human Health. , 2013, , 1259-1314.		3
78	Influence of endophyte genotype on swainsonine concentrations in <i>Oxytropis sericea</i> . <i>Toxicon</i> , 2013, 61, 105-111.	1.6	24
79	Production of the Alkaloid Swainsonine by a Fungal Endosymbiont of the Ascomycete Order Chaetothyriales in the Host <i>Ipomoea carnea</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 3797-3803.	5.2	66
80	Influence of Seed Endophyte Amounts on Swainsonine Concentrations in <i>Astragalus</i> and <i>Oxytropis</i> Locoweeds. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 8083-8089.	5.2	20
81	Detection of monofluoroacetate in <i>Palicourea</i> and <i>Amorimia</i> species. <i>Toxicon</i> , 2012, 60, 791-796.	1.6	70
82	Detection of swainsonine and isolation of the endophyte <i>Undifilum</i> from the major locoweeds in Inner Mongolia. <i>Biochemical Systematics and Ecology</i> , 2012, 45, 79-85.	1.3	21
83	Influence of Phenological Stage on Swainsonine and Endophyte Concentrations in <i>Oxytropis sericea</i> . <i>Journal of Chemical Ecology</i> , 2012, 38, 195-203.	1.8	31
84	Comparison of the toxic effects of two duncecap larkspur ( <i>Delphinium occidentale</i> ) chemotypes in mice and cattle. <i>American Journal of Veterinary Research</i> , 2011, 72, 706-714.	0.6	31
85	Swainsonine and Endophyte Relationships in <i>Astragalus mollissimus</i> and <i>Astragalus lentiginosus</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 1281-1287.	5.2	48
86	Galegine Content in Goatsrue ( <i>Galega officinalis</i> ) Varies by Plant Part and Phenological Growth Stage. <i>Weed Science</i> , 2011, 59, 349-352.	1.5	8
87	Cattle Grazing Toxic <i>Delphinium andersonii</i> in South-Central Idaho. <i>Rangeland Ecology and Management</i> , 2011, 64, 664-668.	2.3	7
88	Nectar and pollen sugars constituting larval provisions of the alfalfa leaf-cutting bee ( <i>Megachile</i> ) Tj ETQq0 0 0 rgBT, Overlock, 10 Tf 50 1	2.0	32
89	A comparison of alternative sample preparation procedures for the analysis of swainsonine using LC-MS/MS. <i>Phytochemical Analysis</i> , 2011, 22, 124-127.	2.4	38
90	Toxic plants. , 2011, , 689-705.		4

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91	Implication of agathic acid from Utah juniper bark as an abortifacient compound in cattle. <i>Journal of Applied Toxicology</i> , 2010, 30, 115-119.	2.8	28
92	Tremetone and Structurally Related Compounds in White Snakeroot ( <i>Ageratina altissima</i> ): A Plant Associated with Trembles and Milk Sickness. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 8560-8565.	5.2	32
93	Differences in Ponderosa Pine Isocupressic Acid Concentrations Across Space and Time. <i>Rangelands</i> , 2010, 32, 14-17.	1.9	13
94	Influence of 7,8-methylenedioxylycoctonine-type alkaloids on the toxic effects associated with ingestion of tall larkspur ( <i>Delphinium</i> spp) in cattle. <i>American Journal of Veterinary Research</i> , 2010, 71, 487-492.	0.6	33
95	The Biogeographical Distribution of Duncceap Larkspur ( <i>Delphinium occidentale</i> ) Chemotypes and Their Potential Toxicity. <i>Journal of Chemical Ecology</i> , 2009, 35, 643-652.	1.8	34
96	Swainsonine Concentrations and Endophyte Amounts of <i>Undifilum oxytropis</i> in Different Plant Parts of <i>Oxytropis sericea</i> . <i>Journal of Chemical Ecology</i> , 2009, 35, 1272-1278.	1.8	61
97	HPLC-MS analysis of toxic norditerpenoid alkaloids: refinement of toxicity assessment of low larkspurs ( <i>Delphinium</i> spp.). <i>Phytochemical Analysis</i> , 2009, 20, 104-113.	2.4	26
98	The Alkaloid Profiles of <i>Lupinus sulphureus</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 1646-1653.	5.2	37
99	Livestock Poisoning With Pyrrolizidine-Alkaloid-Containing Plants ( <i>Senecio</i> , <i>Crotalaria</i> ). <i>Tj ETQq1 1 0.784314 rgBT/Overlogk 10 Tf 5</i>	1.9	14
100	Larkspur Poison Weed: 100 Years of <i>Delphinium</i> Research. <i>Rangelands</i> , 2009, 31, 22-27.	1.9	14
101	Effects of larkspur ( <i>Delphinium barbeyi</i> ) on heart rate and electrically evoked electromyographic response of the external anal sphincter in cattle. <i>American Journal of Veterinary Research</i> , 2009, 70, 539-546.	0.6	35
102	Serum elimination profiles of methyllycaconitine and deltaline in cattle following oral administration of larkspur ( <i>Delphinium barbeyi</i> ). <i>American Journal of Veterinary Research</i> , 2009, 70, 926-931.	0.6	35
103	Toxic Alkaloid Concentrations in <i>Delphinium Nuttallianum</i> , <i>Delphinium Andersonii</i> , and <i>Delphinium Geyeri</i> in the Intermountain Region. <i>Rangeland Ecology and Management</i> , 2007, 60, 441-446.	2.3	17
104	Lupine Induced "Crooked Calf Disease" in Washington and Oregon: Identification of the Alkaloid Profiles in <i>Lupinus sulfureus</i> , <i>Lupinus leucophyllus</i> , and <i>Lupinus sericeus</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 10649-10655.	5.2	33
105	Catastrophic cattle loss to low larkspur ( <i>Delphinium nuttallianum</i> ) in Idaho. <i>Veterinary and Human Toxicology</i> , 2003, 45, 137-9.	0.3	12
106	Development of Enzyme-Linked Immunosorbent Assays for the Hepatotoxic Alkaloids Riddelliine and Riddelliine-N-Oxide. <i>Journal of Agricultural and Food Chemistry</i> , 2001, 49, 4144-4151.	5.2	31
107	Analysis of Swainsonine: Extraction Methods, Detection, and Measurement in Populations of Locoweeds ( <i>Oxytropis</i> spp.). <i>Journal of Agricultural and Food Chemistry</i> , 2001, 49, 4573-4580.	5.2	123
108	Three New Toxic Norditerpenoid Alkaloids from the Low Larkspur <i>Delphinium nuttallianum</i> . <i>Journal of Natural Products</i> , 2000, 63, 1127-1130.	3.0	19

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109	Late Season Toxic Alkaloid Concentrations in Tall Larkspur ( <i>Delphinium</i> spp.). <i>Journal of Range Management</i> , 2000, 53, 329.	0.3	13
110	Pine needle abortion in cattle: analysis of isocupressic acid in North American gymnosperms. , 1999, 10, 132-136.		25
111	Analysis of Toxic Norditerpenoid Alkaloids in <i>Delphinium</i> Species by Electrospray, Atmospheric Pressure Chemical Ionization, and Sequential Tandem Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 5049-5058.	5.2	47
112	Pine Needle Abortion in Cattle: Metabolism of Isocupressic Acid. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 2891-2897.	5.2	27
113	Oxidized Resin Acids in Aerosol Derived from Rosin Core Solder. <i>AIHA Journal</i> , 1998, 59, 889-894.	0.4	11
114	Detection of Resin Acid Compounds in Airborne Particulate Generated from Rosin Used as a Soldering Flux. <i>AIHA Journal</i> , 1997, 58, 868-875.	0.4	16
115	Quantitative Analysis of Norditerpenoid Alkaloids in Larkspur ( <i>Delphinium</i> spp.) by Fourier Transform Infrared Spectroscopy. , 1997, 8, 55-62.		38
116	Abortifacient Activity in Beef Cattle of Acetyl- and Succinylisocupressic Acid from Ponderosa Pine. <i>Journal of Agricultural and Food Chemistry</i> , 1996, 44, 3257-3261.	5.2	29
117	Ponderosa Pine Needle-Induced Abortion in Beef Cattle: Identification of Isocupressic Acid as the Principal Active Compound. <i>Journal of Agricultural and Food Chemistry</i> , 1994, 42, 756-761.	5.2	71