Robert Edwards

List of Publications by Year
in descending order

155 papers	12,102 citations	28274 55 h-index	29157 104 g-index
157 all docs	157 docs citations	157 times ranked	10771 citing authors

#	Article	IF	Citations
1	Plant glutathione S -transferases: enzymes with multiple functions in sickness and in health. Trends in Plant Science, 2000, 5, 193-198.	8.8	827
2	Plant glutathione transferases. Genome Biology, 2002, 3, reviews3004.1.	9.6	594
3	Probing the diversity of the Arabidopsis glutathione S-transferase gene family. Plant Molecular Biology, 2002, 49, 515-532.	3.9	465
4	Roles for glutathione transferases in plant secondary metabolism. Phytochemistry, 2010, 71, 338-350.	2.9	409
5	Functional Divergence in the Glutathione Transferase Superfamily in Plants. Journal of Biological Chemistry, 2002, 277, 30859-30869.	3.4	355
6	Glutathione-mediated detoxification systems in plants. Current Opinion in Plant Biology, 1998, 1, 258-266.	7.1	346
7	Multiple roles for plant glutathione transferases in xenobiotic detoxification. Drug Metabolism Reviews, 2011, 43, 266-280.	3.6	329
8	Abnormal plant development and down-regulation of phenylpropanoid biosynthesis in transgenic tobacco containing a heterologous phenylalanine ammonia-lyase gene.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 9057-9061.	7.1	305
9	A role for glutathione transferases functioning as glutathione peroxidases in resistance to multiple herbicides in black-grass. Plant Journal, 1999, 18, 285-292.	5.7	298
10	Stress-Induced Protein S-Glutathionylation in Arabidopsis. Plant Physiology, 2005, 138, 2233-2244.	4.8	282
11	Characterization and engineering of the bifunctional <i>N</i> - and <i>O</i> -glucosyltransferase involved in xenobiotic metabolism in plants. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20238-20243.	7.1	267
12	Key role for a glutathione transferase in multiple-herbicide resistance in grass weeds. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5812-5817.	7.1	261
13	Enzyme activities and subcellular localization of members of the Arabidopsis glutathione transferase superfamily. Journal of Experimental Botany, 2009, 60, 1207-1218.	4.8	260
14	The C-Glycosylation of Flavonoids in Cereals. Journal of Biological Chemistry, 2009, 284, 17926-17934.	3.4	254
15	Experimental and Computational Assessment of Conditionally Essential Genes in<i>Escherichia coli</i>. Journal of Bacteriology, 2006, 188, 8259-8271.	2.2	237
16	Plant Glutathione Transferases. Methods in Enzymology, 2005, 401, 169-186.	1.0	210
17	Glutathione Transferases. The Arabidopsis Book, 2010, 8, e0131.	0.5	183
18	Stress responses in alfalfa (Medicago sativa L.) 11. Molecular cloning and expression of alfalfa isoflavone reductase, a key enzyme of isoflavonoid phytoalexin biosynthesis. Plant Molecular Biology, 1991, 17, 653-667.	3.9	158

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19	Structure of a Tau Class GlutathioneS-Transferase from Wheat Active in Herbicide Detoxificationâ€,â€¡. Biochemistry, 2002, 41, 7008-7020.	2.5	154
20	Induction of Glutathione S-Transferases in Arabidopsis by Herbicide Safeners. Plant Physiology, 2002, 130, 1497-1505.	4.8	147
21	Purification, regulation and cloning of a glutathione transferase (GST) from maize resembling the auxin-inducible type-III GSTs. Plant Molecular Biology, 1998, 36, 75-87.	3.9	111
22	The structure of a zeta class glutathione S-transferase from Arabidopsis thaliana: characterisation of a GST with novel active-site architecture and a putative role in tyrosine catabolism. Journal of Molecular Biology, 2001, 308, 949-962.	4.2	109
23	Forced Evolution of a Herbicide Detoxifying Glutathione Transferase. Journal of Biological Chemistry, 2003, 278, 23930-23935.	3.4	109
24	O-Glucosyltransferase activities toward phenolic natural products and xenobiotics in wheat and herbicide-resistant and herbicide-susceptible black-grass (Alopecurus myosuroides). Phytochemistry, 2002, 59, 149-156.	2.9	108
25	A coupled role for <i>CsMYB75</i> and <i>CsGSTF1</i> in anthocyanin hyperaccumulation in purple tea. Plant Journal, 2019, 97, 825-840.	5.7	105
26	Excessive folate synthesis limits lifespan in the C. elegans: E. coliaging model. BMC Biology, 2012, 10, 67.	3.8	102
27	Stress Responses in Alfalfa (<i>Medicago sativa</i> L.). Plant Physiology, 1990, 92, 440-446.	4.8	101
28	Effects of trans-Cinnamic Acid on Expression of the Bean Phenylalanine Ammonia-Lyase Gene Family. Plant Physiology, 1990, 94, 671-680.	4.8	99
29	Purification of Multiple Glutathione Transferases Involved in Herbicide Detoxification from Wheat (Triticum aestivumL.) Treated with the Safener Fenchlorazole-ethyl. Pesticide Biochemistry and Physiology, 1997, 59, 35-49.	3.6	99
30	Glutathione Transferase Activities and Herbicide Selectivity in Maize and Associated Weed Species. Pest Management Science, 1996, 46, 267-275.	0.4	97
31	Stress Responses in Alfalfa (Medicago sativa L.). Plant Physiology, 1990, 94, 227-232.	4.8	95
32	Isolation of a glucosyltransferase from Arabidopsis thaliana active in the metabolism of the persistent pollutant 3,4-dichloroaniline. Plant Journal, 2003, 34, 485-493.	5.7	93
33	Glutathione and elicitation of the phytoalexin response in legume cell cultures. Planta, 1991, 184, 403-9.	3.2	92
34	Comparison of glutathione S-transferases of Zea mays responsible for herbicide detoxification in plants and suspension-cultured cells. Planta, 1986, 169, 208-215.	3.2	86
35	Conserved cysteine residues in the mammalian lamin A tail are essential for cellular responses to ROS generation. Aging Cell, 2011, 10, 1067-1079.	6.7	79
36	Elicitation of tropane alkaloid biosynthesis in transformed root cultures of Datura stramonium. Phytochemistry, 1999, 50, 53-56.	2.9	76

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37	Regulating biological activity in plants with carboxylesterases. Plant Science, 2007, 173, 579-588.	3.6	76
38	Safener responsiveness and multiple herbicide resistance in the weed blackâ€grass (<i>Alopecurus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	8.3	75
39	Selective Binding of Glutathione Conjugates of Fatty Acid Derivatives by Plant Glutathione Transferases. Journal of Biological Chemistry, 2009, 284, 21249-21256.	3.4	73
40	Roles for Stress-inducible Lambda Glutathione Transferases in Flavonoid Metabolism in Plants as Identified by Ligand Fishing. Journal of Biological Chemistry, 2010, 285, 36322-36329.	3.4	73
41	Comparative toxicity of cis-cypermethrin in rainbow trout, frog, mouse, and quail. Toxicology and Applied Pharmacology, 1986, 84, 512-522.	2.8	71
42	Abiotic elicitation of coumarin phytoalexins in sunflower. Phytochemistry, 1995, 38, 1185-1191.	2.9	70
43	Characterisation of Multiple Glutathione Transferases Containing the GST I Subunit with Activities toward Herbicide Substrates in Maize (Zea mays). Pest Management Science, 1997, 50, 72-82.	0.4	70
44	Characterisation of a Zeta Class Glutathione Transferase from Arabidopsis thaliana with a Putative Role in Tyrosine Catabolism. Archives of Biochemistry and Biophysics, 2000, 384, 407-412.	3.0	70
45	Priority research questions for the UK food system. Food Security, 2013, 5, 617-636.	5.3	67
46	Functional importance of the family 1 glucosyltransferase UGT72B1 in the metabolism of xenobiotics in Arabidopsis thaliana. Plant Journal, 2005, 42, 556-566.	5.7	66
47	The <i>Arabidopsis</i> phi class glutathione transferase <i>At</i>GSTF2: binding and regulation by biologically active heterocyclic ligands. Biochemical Journal, 2011, 438, 63-70.	3.7	64
48	Characterisation of glutathione transferases and glutathione peroxidases in pea (Pisum sativum). Physiologia Plantarum, 1996, 98, 594-604.	5.2	64
49	Evolution of generalist resistance to herbicide mixtures reveals a trade-off in resistance management. Nature Communications, 2020, 11, 3086.	12.8	63
50	Herbicide Metabolism: Crop Selectivity, Bioactivation, Weed Resistance, and Regulation. Weed Science, 2019, 67, 149-175.	1.5	62
51	Xenobiotic Responsiveness of Arabidopsis thaliana to a Chemical Series Derived from a Herbicide Safener. Journal of Biological Chemistry, 2011, 286, 32268-32276.	3.4	61
52	Purification and characterization of S-adenosyl-l-methionine: Caffeic acid 3-O-methyltransferase from suspension cultures of alfalfa (Medicago sativa L.). Archives of Biochemistry and Biophysics, 1991, 287, 372-379.	3.0	60
53	Characterisation of glutathione transferases and glutathione peroxidases in pea (Pisum sativum). Physiologia Plantarum, 1996, 98, 594-604.	5.2	60
54	Enzymes of tyrosine catabolism in Arabidopsis thaliana. Plant Science, 2006, 171, 360-366.	3.6	60

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55	Catabolism of Glutathione Conjugates in Arabidopsis thaliana. Journal of Biological Chemistry, 2008, 283, 21102-21112.	3.4	60
56	Glutathione transferases catalyze recycling of autoâ€toxic cyanogenic glucosides in sorghum. Plant Journal, 2018, 94, 1109-1125.	5.7	60
57	Glutathione Transferases in Wheat (Triticum) Species with Activity toward Fenoxaprop-Ethyl and Other Herbicides. Pesticide Biochemistry and Physiology, 1996, 54, 96-104.	3.6	59
58	Purification and cloning of an esterase from the weed black-grass (Alopecurus myosuroides), which bioactivates aryloxyphenoxypropionate herbicides. Plant Journal, 2004, 39, 894-904.	5.7	58
59	Dimerisation of maize glutathione transferases in recombinant bacteria. Plant Molecular Biology, 1999, 40, 997-1008.	3.9	57
60	Differential Induction of Glutathione Transferases and Glucosyltransferases in Wheat, Maize and Arabidopsis thaliana by Herbicide Safeners. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2005, 60, 307-316.	1.4	57
61	Isoflavone O-methyltransferase activities in elicitor-treated cell suspension cultures of Medicago sativa. Phytochemistry, 1991, 30, 2597-2606.	2.9	56
62	Getting the most out of publicly available Tâ€DNA insertion lines. Plant Journal, 2008, 56, 665-677.	5.7	56
63	Potential roles for microbial endophytes in herbicide tolerance in plants. Pest Management Science, 2016, 72, 203-209.	3.4	56
64	High-Throughput Mass-Spectrometry Monitoring for Multisubstrate Enzymes: Determining the Kinetic Parameters and Catalytic Activities of Glycosyltransferases. ChemBioChem, 2005, 6, 346-357.	2.6	55
65	Glutathione transferases in herbicide-resistant and herbicide-susceptible black-grass (<i>Alopecurus) Tj ETQq1 1 0.784314 rgBT /Overlo	0.4	54
66	Metabolic engineering of the flavone-C-glycoside pathway using polyprotein technology. Metabolic Engineering, 2013, 16, 11-20.	7.0	54
67	Changes in the accumulation of flavonoid and isoflavonoid conjugates associated with plant age and nodulation in alfalfa (Medicago sativa). Physiologia Plantarum, 1994, 91, 27-36.	5.2	53
68	Conjugation and Metabolism of Salicylic Acid in Tobacco. Journal of Plant Physiology, 1994, 143, 609-614.	3.5	53
69	Cloning, characterization and regulation of a family of phi class glutathione transferases from wheat. Plant Molecular Biology, 2003, 52, 591-603.	3.9	53
70	Binding and Glutathione Conjugation of Porphyrinogens by Plant Glutathione Transferases. Journal of Biological Chemistry, 2008, 283, 20268-20276.	3.4	52
71	Chemical Manipulation of Antioxidant Defences in Plants. Advances in Botanical Research, 2005, , 1-32.	1.1	51
72	Role of a Carboxylesterase in Herbicide Bioactivation in Arabidopsis thaliana. Journal of Biological Chemistry, 2007, 282, 21460-21466.	3.4	51

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73	Substrate specificity and safener inducibility of the plant UDPâ€glucoseâ€dependent family 1 glycosyltransferase superâ€family. Plant Biotechnology Journal, 2018, 16, 337-348.	8.3	51
74	Halomethane Biosynthesis: Structure of a SAMâ€Dependent Halide Methyltransferase from <i>Arabidopsis thaliana</i>. Angewandte Chemie - International Edition, 2010, 49, 3646-3648.	13.8	50
75	Protective responses induced by herbicide safeners in wheat. Environmental and Experimental Botany, 2013, 88, 93-99.	4.2	50
76	Substrate and thiol specificity of a stress-inducible glutathione transferase from soybean. FEBS Letters, 1997, 409, 370-374.	2.8	47
77	Identification, purification, and characterization of S-adenosyl-l-methionine: Isoliquiritigenin 2â€²-O-methyltransferase from alfalfa (Medicago sativa L.). Archives of Biochemistry and Biophysics, 1992, 293, 158-166.	3.0	46
78	Glutathione S-cinnamoyl transferases in plants. Phytochemistry, 1991, 30, 79-84.	2.9	44
79	Stress Responses in Alfalfa (Medicago sativa L.) (XIV. Changes in the Levels of Phenylpropanoid) Tj ETQq1 1 0.784314 rgBT /Overlock 10	4.8	44
80	Carboxylesterase activities toward pesticide esters in crops and weeds. Phytochemistry, 2006, 67, 2561-2567.	2.9	44
81	New Perspectives on the Metabolism and Detoxification of Synthetic Compounds in Plants. Plant Ecophysiology, 2011, , 125-148.	1.5	44
82	Purification and characterisation of a family of glutathione transferases with roles in herbicide detoxification in soybean (Glycine max L.); selective enhancement by herbicides and herbicide safeners. Pesticide Biochemistry and Physiology, 2005, 82, 205-219.	3.6	43
83	Manipulation of plant tolerance to herbicides through co-ordinated metabolic engineering of a detoxifying glutathione transferase and thiol cosubstrate. Plant Biotechnology Journal, 2005, 3, 409-420.	8.3	42
84	Roles for glutathione transferases in antioxidant recycling. Plant Signaling and Behavior, 2011, 6, 1223-1227.	2.4	42
85	Higher plant tyrosine-specific protein phosphatases (PTPs) contain novel amino-terminal domains: expression during embryogenesis. Plant Molecular Biology, 1999, 39, 593-605.	3.9	40
86	Redox Regulation of a Soybean Tyrosine-Specific Protein Phosphataseâ€. Biochemistry, 2005, 44, 7696-7703.	2.5	40
87	Selective disruption of wheat secondary metabolism by herbicide safeners. Phytochemistry, 2006, 67, 1722-1730.	2.9	40
88	Glutathione transferase activities toward herbicides used selectively in soybean. Pest Management Science, 1997, 51, 213-222.	0.4	38
89	Cloning and Initial Characterization of theArabidopsis thalianaEndoplasmic Reticulum Oxidoreductins. Antioxidants and Redox Signaling, 2003, 5, 389-396.	5.4	38
90	Changes in the proteome of the problem weed blackgrass correlating with multipleâ€herbicide resistance. Plant Journal, 2018, 94, 709-720.	5.7	38

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91	Target-Site and Non-target-Site Resistance Mechanisms Confer Multiple and Cross- Resistance to ALS and ACCase Inhibiting Herbicides in Lolium rigidum From Spain. Frontiers in Plant Science, 2021, 12, 625138.	3.6	38
92	Molecular Biology of Stress-Induced Phenylpropanoid and Isoflavonoid Biosynthesis in Alfalfa. , 1992, , 91-138.		38
93	Glutathione transferases involved in herbicide detoxification in the leaves ofSetaria faberi(giant) Tj ETQq1 1 0.784314 rgBT /Overlock	5.2	37
94	Cloning and Characterization of an S-Formylglutathione Hydrolase from Arabidopsis thaliana. Archives of Biochemistry and Biophysics, 2002, 399, 232-238.	3.0	37
95	Non-target Site Herbicide Resistance Is Conferred by Two Distinct Mechanisms in Black-Grass (Alopecurus myosuroides). Frontiers in Plant Science, 2021, 12, 636652.	3.6	37
96	Metabolic fate of cinnamic acid in elicitor treated cell suspension cultures of Phaseolus vulgaris. Phytochemistry, 1990, 29, 1867-1873.	2.9	36
97	Effects of elevated CO2 on the vasculature and phenolic secondary metabolism of Plantago maritima. Phytochemistry, 2004, 65, 2197-2204.	2.9	36
98	The production of coumarin phytoalexins in different plant organs of sunflower (Helianthus annuus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.5	35
99	Biochemical characterisation of esterases active in hydrolysing xenobiotics in wheat and competing weeds. Physiologia Plantarum, 2001, 113, 477-485.	5.2	35
100	Unique Regulation of the Active site of the Serine Esterase S-Formylglutathione Hydrolase. Journal of Molecular Biology, 2006, 359, 422-432.	4.2	35
101	BODIPY probes to study peroxisome dynamics in vivo. Plant Journal, 2010, 62, 529-538.	5.7	34
102	Isoflavonoid Conjugate Accumulation in the Roots of Lucerne (Medicago Sativa) Seedlings Following Infection By the Stem Nematode (Ditylenchus Dipsaci). Nematologica, 1995, 41, 51-66.	0.2	33
103	Plant synthetic biology: a new platform for industrial biotechnology. Journal of Experimental Botany, 2014, 65, 1927-1937.	4.8	32
104	Cloning and Characterization of Glyoxalase I from Soybean. Archives of Biochemistry and Biophysics, 2000, 374, 261-268.	3.0	30
105	Structure activity studies with xenobiotic substrates using carboxylesterases isolated from Arabidopsis thaliana. Phytochemistry, 2007, 68, 811-818.	2.9	30
106	Regulation of glutathione S-transferases of Zea mays in plants and cell cultures. Planta, 1988, 175, 99-106.	3.2	27
107	Elucidation of the biosynthesis of the di-C-glycosylflavone isoschaftoside, an allelopathic component from Desmodium spp. that inhibits Striga spp. development. Phytochemistry, 2012, 84, 169-176.	2.9	27
108	Selection of plants for roles in phytoremediation: the importance of glucosylation. Plant Biotechnology Journal, 2007, 5, 627-635.	8.3	26

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109	Transcriptome sequencing identifies novel persistent viruses in herbicide resistant wild-grasses. Scientific Reports, 2017, 7, 41987.	3.3	26
110	S-adenosyl-l-methionine metabolism in alfalfa cell cultures following treatment with fungal elicitors. Phytochemistry, 1996, 43, 1163-1169.	2.9	24
111	The effect of plant age and nodulation on the isoflavonoid content of red clover (Trifolium) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	3.5	24
112	Structural evidence for <i>Arabidopsis</i> glutathione transferase <i>At</i>GSTF2 functioning as a transporter of small organic ligands. FEBS Open Bio, 2017, 7, 122-132.	2.3	23
113	Metabolism of Natural and Xenobiotic Substrates by the Plant Glutathione S-Transferase Superfamily. Ecological Studies, 2004, , 17-50.	1.2	23
114	Induction of phenylpropanoid pathway enzymes in elicitor-treated cultures ofCephalocereus senilis. Phytochemistry, 1992, 31, 149-153.	2.9	22
115	3,4-Dichloroaniline is detoxified and exported via different pathways in Arabidopsis and soybean. Phytochemistry, 2003, 63, 653-661.	2.9	22
116	Testing a chemical series inspired by plant stress oxylipin signalling agents for herbicide safening activity. Pest Management Science, 2018, 74, 828-836.	3.4	22
117	Detection and characterization of resistance to acetolactate synthase inhibiting herbicides in <i>Anisantha</i> and <i>Bromus</i> species in the United Kingdom. Pest Management Science, 2020, 76, 2473-2482.	3.4	21
118	Characterization of O-glucosyltransferases with activities toward phenolic substrates in alfalfa. Phytochemistry, 1994, 37, 655-661.	2.9	20
119	Characterization and inducibility of a scopoletin-degrading enzyme from sunflower. Phytochemistry, 1997, 45, 1109-1114.	2.9	20
120	Influence of Plant Age on Glutathione Levels and Glutathione Transferases Involved in Herbicide Detoxification in Corn (Zea maysL.) and Giant Foxtail (Setaria faberiHerrm). Pesticide Biochemistry and Physiology, 1996, 54, 199-209.	3.6	19
121	Fluorescence quenched quinone methide based activity probes â€" a cautionary tale. Organic and Biomolecular Chemistry, 2010, 8, 1610.	2.8	19
122	Plants: biofactories for a sustainable future?. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 1826-1839.	3.4	19
123	Chemically induced herbicide tolerance in rice by the safener metcamifen is associated with a phased stress response. Journal of Experimental Botany, 2020, 71, 411-421.	4.8	18
124	Determination ofS-adenosyl-L-methionine andS-adenosyl-L-homocysteine in plants. Phytochemical Analysis, 1995, 6, 25-30.	2.4	17
125	Diversification in substrate usage by glutathione synthetases from soya bean (Glycine max), wheat (Triticum aestivum) and maize (Zea mays). Biochemical Journal, 2005, 391, 567-574.	3.7	17
126	Safening activity and metabolism of the safener cyprosulfamide in maize and wheat. Pest Management Science, 2020, 76, 3413-3422.	3.4	17

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127	Partial purification and characterisation of a 2,4,5-trichlorophenol detoxifying O-glucosyltransferase from wheat. Phytochemistry, 2003, 64, 419-424.	2.9	15
128	A kinetic model for the metabolism of the herbicide safener fenclorim in Arabidopsis thaliana. Biophysical Chemistry, 2009, 143, 85-94.	2.8	13
129	Tolerance of Transplastomic Tobacco Plants Overexpressing a Theta Class Glutathione Transferase to Abiotic and Oxidative Stresses. Frontiers in Plant Science, 2018, 9, 1861.	3.6	13
130	Isoenzymes of glutathione <i>S</i>-transferase in <i>Zea mays</i>. Biochemical Society Transactions, 1987, 15, 1184-1184.	3.4	12
131	Alfalfa cell cultures treated with a fungal elicitor accumulate flavone metabolites rather than isoflavones in the presence of the methylation inhibitor tubericidin. Phytochemistry, 1997, 44, 285-291.	2.9	12
132	Glutathione transferases and herbicide detoxification in suspension-cultured cells of giant foxtail (Setaria faberi). Pest Management Science, 1998, 53, 209-216.	0.4	11
133	Cloning and characterization of a theta class glutathione transferase from the potato pathogen Phytophthora infestans. Phytochemistry, 2006, 67, 1427-1434.	2.9	11
134	Focus on Weed Control. Plant Physiology, 2014, 166, 1087-1089.	4.8	11
135	Protein-Ligand Fishing in planta for Biologically Active Natural Products Using Glutathione Transferases. Frontiers in Plant Science, 2018, 9, 1659.	3.6	11
136	Characterization of Cytochrome P450s with Key Roles in Determining Herbicide Selectivity in Maize. ACS Omega, 2022, 7, 17416-17431.	3.5	11
137	Factors influencing the selective toxicity ofcis- andtrans-cypermethrin in rainbow trout, frog, mouse and quail: Biotransformation in liver, plasma, brain and intestine. Pest Management Science, 1987, 21, 1-21.	0.4	10
138	Changes in protein methylation associated with the elicitation response in cell cultures of alfalfa (Medicago sativaL.). FEBS Letters, 1995, 360, 57-61.	2.8	10
139	Determination and Isolation of a Thioesterase from Passion Fruit (Passiflora edulis Sims) That Hydrolyzes Volatile Thioesters. Journal of Agricultural and Food Chemistry, 2008, 56, 6623-6630.	5.2	10
140	Glycosylation of Secondary Metabolites and Xenobiotics. , 2009, , 209-228.		10
141	An Efficient Method for ¹⁵N-Labeling of Chitin in Fungi. Biomacromolecules, 2009, 10, 793-797.	5.4	9
142	Comparative metabolism and disposition of [14C-benzyl] cypermethrin in quail, rat and mouse. Pest Management Science, 1990, 30, 159-181.	0.4	7
143	Identification of a carboxylesterase expressed in protoplasts using fluorescence-activated cell sorting. Plant Biotechnology Journal, 2007, 5, 354-359.	8.3	7
144	Determination of cinnamic acid and 4-coumaric acid in alfalfa (Medicago sativa L.) cell suspension cultures by gas chromatography. Phytochemical Analysis, 1993, 4, 124-130.	2.4	6

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145	Synthesis and analysis of chimeric maize glutathione transferases. Plant Science, 2005, 168, 873-881.	3.6	6
146	Modifying the acylation of flavonols in Petunia hybrida. Phytochemistry, 2008, 69, 2016-2021.	2.9	5
147	Glutathione transferases in major weedspecies. Pest Management Science, 1995, 43, 173-175.	0.4	4
148	Purification, crystallization and preliminary X-ray diffraction analysis ofS-formylglutathione hydrolase fromArabidopsis thaliana: effects of pressure and selenomethionine substitution on space-group changes. Acta Crystallographica Section D: Biological Crystallography, 2003, 59, 2272-2274.	2.5	4
149	Species-specific effects of elevated CO2 on resource allocation in Plantago maritima and Armeria maritima. Biochemical Systematics and Ecology, 2007, 35, 121-129.	1.3	4
150	Flavonoid-based inhibitors of the Phi-class glutathione transferase from black-grass to combat multiple herbicide resistance. Organic and Biomolecular Chemistry, 2021, 19, 9211-9222.	2.8	4
151	Changes in the accumulation of flavonoid and isoflavonoid conjugates associated with plant age and nodulation in alfalfa (Medicago sativa). Physiologia Plantarum, 1994, 91, 27-36.	5.2	3
152	Methylation reactions and the phytoalexin response in alfalfa suspension cultures. Planta, 1997, 201, 359-367.	3.2	3
153	Resisting resistance: new applications for molecular diagnostics in crop protection. Biochemist, 2020, 42, 6-12.	0.5	2
154	<i>In Focus</i>: Innovative crop protection for 21st century food security. Pest Management Science, 2018, 74, 779-780.	3.4	0
155	Abstract 230: Protein Farnesylation Inhibitor Tipifarnib Prevents Development of Chronic Hypoxia-induced Pulmonary Hypertension. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, .	2.4	0