David P Dixon

List of Publications by Year
in descending order

54	6,600	100601 38	206121 51
papers	citations	h-index	g-index

56	56	56	6865
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Single-Domain Antibodies as Crystallization Chaperones to Enable Structure-Based Inhibitor Development for RBR E3ÂUbiquitin Ligases. Cell Chemical Biology, 2020, 27, 83-93.e9.	2.5	17
2	A Photoaffinityâ€Based Fragmentâ€Screening Platform for Efficient Identification of Protein Ligands. Angewandte Chemie - International Edition, 2020, 59, 21096-21105.	7.2	38
3	A Qualified Success: Discovery of a New Series of ATAD2 Bromodomain Inhibitors with a Novel Binding Mode Using High-Throughput Screening and Hit Qualification. Journal of Medicinal Chemistry, 2019, 62, 7506-7525.	2.9	19
4	Glutathione transferases catalyze recycling of autoâ€toxic cyanogenic glucosides in sorghum. Plant Journal, 2018, 94, 1109-1125.	2.8	60
5	Substrate specificity and safener inducibility of the plant UDPâ€glucoseâ€dependent family 1 glycosyltransferase superâ€family. Plant Biotechnology Journal, 2018, 16, 337-348.	4.1	51
6	Protein-Ligand Fishing in planta for Biologically Active Natural Products Using Glutathione Transferases. Frontiers in Plant Science, 2018, 9, 1659.	1.7	11
7	Structure-Based Optimization of Naphthyridones into Potent ATAD2 Bromodomain Inhibitors. Journal of Medicinal Chemistry, 2015, 58, 6151-6178.	2.9	81
8	Fragment-Based Discovery of Low-Micromolar ATAD2 Bromodomain Inhibitors. Journal of Medicinal Chemistry, 2015, 58, 5649-5673.	2.9	75
9	Excessive folate synthesis limits lifespan in the C. elegans: E. coliaging model. BMC Biology, 2012, 10, 67.	1.7	102
10	The maize benzoxazinone DIMBOA reacts with glutathione and other thiols to form spirocyclic adducts. Phytochemistry, 2012, 77, 171-178.	1.4	27
11	Multiple roles for plant glutathione transferases in xenobiotic detoxification. Drug Metabolism Reviews, 2011, 43, 266-280.	1.5	329
12	New Perspectives on the Metabolism and Detoxification of Synthetic Compounds in Plants. Plant Ecophysiology, 2011, , 125-148.	1.5	44
13	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.	1.7	64
14	Roles for glutathione transferases in antioxidant recycling. Plant Signaling and Behavior, 2011, 6, 1223-1227.	1.2	42
15	Xenobiotic Responsiveness of Arabidopsis thaliana to a Chemical Series Derived from a Herbicide Safener. Journal of Biological Chemistry, 2011, 286, 32268-32276.	1.6	61
16	Glutathione Transferases. The Arabidopsis Book, 2010, 8, e0131.	0.5	183
17	Roles for glutathione transferases in plant secondary metabolism. Phytochemistry, 2010, 71, 338-350.	1.4	409
18	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.	1.6	73

#	ARTICLE	IF	CITATIONS
19	Fluorescence quenched quinone methide based activity probes â€“ a cautionary tale. Organic and Biomolecular Chemistry, 2010, 8, 1610.	1.5	19
20	Enzyme activities and subcellular localization of members of the Arabidopsis glutathione transferase superfamily. Journal of Experimental Botany, 2009, 60, 1207-1218.	2.4	260
21	Selective Binding of Glutathione Conjugates of Fatty Acid Derivatives by Plant Glutathione Transferases. Journal of Biological Chemistry, 2009, 284, 21249-21256.	1.6	73
22	An Efficient Method for ¹⁵N-Labeling of Chitin in Fungi. Biomacromolecules, 2009, 10, 793-797.	2.6	9
23	Getting the most out of publicly available Tâ€DNA insertion lines. Plant Journal, 2008, 56, 665-677.	2.8	56
24	Binding and Glutathione Conjugation of Porphyrinogens by Plant Glutathione Transferases. Journal of Biological Chemistry, 2008, 283, 20268-20276.	1.6	52
25	Enzymes of tyrosine catabolism in Arabidopsis thaliana. Plant Science, 2006, 171, 360-366.	1.7	60
26	Cloning and characterization of a theta class glutathione transferase from the potato pathogen Phytophthora infestans. Phytochemistry, 2006, 67, 1427-1434.	1.4	11
27	Plant Glutathione Transferases. Methods in Enzymology, 2005, 401, 169-186.	0.4	210
28	Stress-Induced Protein S-Glutathionylation in Arabidopsis. Plant Physiology, 2005, 138, 2233-2244.	2.3	282
29	Dynamic interaction of NtMAP65-1a with microtubules in vivo. Journal of Cell Science, 2005, 118, 3195-3201.	1.2	55
30	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.	0.6	57
31	Redox Regulation of a Soybean Tyrosine-Specific Protein Phosphataseâ€. Biochemistry, 2005, 44, 7696-7703.	1.2	40
32	Synthesis and analysis of chimeric maize glutathione transferases. Plant Science, 2005, 168, 873-881.	1.7	6
33	Chemical Manipulation of Antioxidant Defences in Plants. Advances in Botanical Research, 2005, , 1-32.	0.5	51
34	Metabolism of Natural and Xenobiotic Substrates by the Plant Glutathione S-Transferase Superfamily. Ecological Studies, 2004, , 17-50.	0.4	23
35	Isolation of a glucosyltransferase from Arabidopsis thaliana active in the metabolism of the persistent pollutant 3,4-dichloroaniline. Plant Journal, 2003, 34, 485-493.	2.8	93
36	Forced Evolution of a Herbicide Detoxifying Glutathione Transferase. Journal of Biological Chemistry, 2003, 278, 23930-23935.	1.6	109

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37	Cloning and Initial Characterization of theArabidopsis thalianaEndoplasmic Reticulum Oxidoreductins. Antioxidants and Redox Signaling, 2003, 5, 389-396.	2.5	38
38	Induction of Glutathione S-Transferases in Arabidopsis by Herbicide Safeners. Plant Physiology, 2002, 130, 1497-1505.	2.3	147
39	Functional Divergence in the Glutathione Transferase Superfamily in Plants. Journal of Biological Chemistry, 2002, 277, 30859-30869.	1.6	355
40	Plant glutathione transferases. Genome Biology, 2002, 3, reviews3004.1.	13.9	594
41	Structure of a Tau Class GlutathioneS-Transferase from Wheat Active in Herbicide Detoxificationâ€,â€¡. Biochemistry, 2002, 41, 7008-7020.	1.2	154
42	Probing the diversity of the Arabidopsis glutathione S-transferase gene family. Plant Molecular Biology, 2002, 49, 515-532.	2.0	465
43	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.	2.0	109
44	Plant glutathione S -transferases: enzymes with multiple functions in sickness and in health. Trends in Plant Science, 2000, 5, 193-198.	4.3	827
45	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.	1.4	70
46	Dimerisation of maize glutathione transferases in recombinant bacteria. Plant Molecular Biology, 1999, 40, 997-1008.	2.0	57
47	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.	2.0	111
48	Glutathione-mediated detoxification systems in plants. Current Opinion in Plant Biology, 1998, 1, 258-266.	3.5	346
49	Plant-microbe interactions web alert. Current Opinion in Plant Biology, 1998, 1, 283-284.	3.5	2
50	Genome studies and molecular genetics plant biotechnology web alert. Current Opinion in Plant Biology, 1998, 1, 99-100.	3.5	0
51	physiology and metabolism web alert. Current Opinion in Plant Biology, 1998, 1, 195.	3.5	0
52	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.	0.7	70
53	Characterisation of Multiple Glutathione Transferases Containing the GST I Subunit with Activities toward Herbicide Substrates in Maize (Zea mays). , 1997, 50, 72.		5
54	Glutathione Transferase Activities and Herbicide Selectivity in Maize and Associated Weed Species. Pest Management Science, 1996, 46, 267-275.	0.7	97