John D Hayes

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166 papers	25,826 citations	72 h-index	160 g-index
175 ext. papers	28,568 ext. citations	6.2 avg, IF	7.29 L-index

#	Paper	IF	Citations
166	Glutathione transferases. *Annual Review of Pharmacology and Toxicology*, **2005**, 45, 51-88	17.9	2724
165	The glutathione S-transferase supergene family: regulation of GST and the contribution of the isoenzymes to cancer chemoprotection and drug resistance. *Critical Reviews in Biochemistry and Molecular Biology*, **1995**, 30, 445-600	8.7	2578
164	The Nrf2 regulatory network provides an interface between redox and intermediary metabolism. *Trends in Biochemical Sciences*, **2014**, 39, 199-218	10.3	1157
163	Glutathione and glutathione-dependent enzymes represent a co-ordinately regulated defence against oxidative stress. *Free Radical Research*, **1999**, 31, 273-300	4	1109
162	p62/SQSTM1 is a target gene for transcription factor NRF2 and creates a positive feedback loop by inducing antioxidant response element-driven gene transcription. *Journal of Biological Chemistry*, **2010**, 285, 22576-91	5.4	928
161	Keap1-dependent proteasomal degradation of transcription factor Nrf2 contributes to the negative regulation of antioxidant response element-driven gene expression. *Journal of Biological Chemistry*, **2003**, 278, 21592-600	5.4	806
160	Glutathione S-transferase polymorphisms and their biological consequences. *Pharmacology*, **2000**, 61, 154-66	2.3	768
159	NRF2 and KEAP1 mutations: permanent activation of an adaptive response in cancer. *Trends in Biochemical Sciences*, **2009**, 34, 176-88	10.3	671
158	SCF/{beta}-TrCP promotes glycogen synthase kinase 3-dependent degradation of the Nrf2 transcription factor in a Keap1-independent manner. *Molecular and Cellular Biology*, **2011**, 31, 1121-33	4.8	493
157	Mechanisms of activation of the transcription factor Nrf2 by redox stressors, nutrient cues, and energy status and the pathways through which it attenuates degenerative disease. *Free Radical Biology and Medicine*, **2015**, 88, 108-146	7.8	483
156	Therapeutic targeting of the NRF2 and KEAP1 partnership in chronic diseases. *Nature Reviews Drug Discovery*, **2019**, 18, 295-317	64.1	476
155	Cancer chemoprevention mechanisms mediated through the Keap1-Nrf2 pathway. *Antioxidants and Redox Signaling*, **2010**, 13, 1713-48	8.4	413
154	Oxidative Stress in Cancer. *Cancer Cell*, **2020**, 38, 167-197	24.3	402
153	Nrf2 is controlled by two distinct TrCP recognition motifs in its Neh6 domain, one of which can be modulated by GSK-3 activity. *Oncogene*, **2013**, 32, 3765-81	9.2	388
152	Identification of a novel Nrf2-regulated antioxidant response element (ARE) in the mouse NAD(P)H:quinone oxidoreductase 1 gene: reassessment of the ARE consensus sequence. *Biochemical Journal*, **2003**, 374, 337-48	3.8	375
151	Dimerization of substrate adaptors can facilitate cullin-mediated ubiquitylation of proteins by a "tethering" mechanism: a two-site interaction model for the Nrf2-Keap1 complex. *Journal of Biological Chemistry*, **2006**, 281, 24756-68	5.4	364
150	Loss of the Nrf2 transcription factor causes a marked reduction in constitutive and inducible expression of the glutathione S-transferase Gsta1, Gsta2, Gstm1, Gstm2, Gstm3 and Gstm4 genes in the livers of male and female mice. *Biochemical Journal*, **2002**, 365, 405-16	3.8	350

149	Keap1 perceives stress via three sensors for the endogenous signaling molecules nitric oxide, zinc, and alkenals. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 18838-43	11.5	309
148	The cancer chemopreventive actions of phytochemicals derived from glucosinolates. *European Journal of Nutrition*, **2008**, 47 Suppl 2, 73-88	5.2	298
147	Potential contribution of the glutathione S-transferase supergene family to resistance to oxidative stress. *Free Radical Research*, **1995**, 22, 193-207	4	294
146	Molecular basis for the contribution of the antioxidant responsive element to cancer chemoprevention. *Cancer Letters*, **2001**, 174, 103-13	9.9	288
145	Contribution of NAD(P)H:quinone oxidoreductase 1 to protection against carcinogenesis, and regulation of its gene by the Nrf2 basic-region leucine zipper and the arylhydrocarbon receptor basic helix-loop-helix transcription factors. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2004**, 555, 149-71	3.3	279
144	Redox-regulated turnover of Nrf2 is determined by at least two separate protein domains, the redox-sensitive Neh2 degron and the redox-insensitive Neh6 degron. *Journal of Biological Chemistry*, **2004**, 279, 31556-67	5.4	276
143	Characterization of the cancer chemopreventive NRF2-dependent gene battery in human keratinocytes: demonstration that the KEAP1-NRF2 pathway, and not the BACH1-NRF2 pathway, controls cytoprotection against electrophiles as well as redox-cycling compounds. *Carcinogenesis*, **2009**, 30, 1571-80	4.6	240
142	Nomenclature for mammalian soluble glutathione transferases. *Methods in Enzymology*, **2005**, 401, 1-8	1.7	236
141	Nrf1 and Nrf2 play distinct roles in activation of antioxidant response element-dependent genes. *Journal of Biological Chemistry*, **2008**, 283, 33554-62	5.4	230
140	Generation of a stable antioxidant response element-driven reporter gene cell line and its use to show redox-dependent activation of nrf2 by cancer chemotherapeutic agents. *Cancer Research*, **2006**, 66, 10983-94	10.1	227
139	Glutathione S-transferase mu locus: use of genotyping and phenotyping assays to assess association with lung cancer susceptibility. *Carcinogenesis*, **1991**, 12, 1533-7	4.6	225
138	Glutathione S-transferase and glutathione peroxidase expression in normal and tumour human tissues. *Carcinogenesis*, **1990**, 11, 451-8	4.6	219
137	Structural and functional characterization of Nrf2 degradation by the glycogen synthase kinase 3/□TrCP axis. *Molecular and Cellular Biology*, **2012**, 32, 3486-99	4.8	217
136	Identification of retinoic acid as an inhibitor of transcription factor Nrf2 through activation of retinoic acid receptor alpha. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 19589-94	11.5	216
135	RXR□nhibits the NRF2-ARE signaling pathway through a direct interaction with the Neh7 domain of NRF2. *Cancer Research*, **2013**, 73, 3097-108	10.1	195
134	Loss of Nrf2 markedly exacerbates nonalcoholic steatohepatitis. *Free Radical Biology and Medicine*, **2010**, 48, 357-71	7.8	190
133	Glutathione and glutathione-dependent enzymes in ovarian adenocarcinoma cell lines derived from a patient before and after the onset of drug resistance: intrinsic differences and cell cycle effects. *Carcinogenesis*, **1988**, 9, 1283-7	4.6	186
132	Glutathione S-transferases: biomedical applications. *Advances in Clinical Chemistry*, **1993**, 30, 281-380	5.8	179

131	Nrf2, a guardian of healthspan and gatekeeper of species longevity. *Integrative and Comparative Biology*, **2010**, 50, 829-43	2.8	173
130	Major differences exist in the function and tissue-specific expression of human aflatoxin B1 aldehyde reductase and the principal human aldo-keto reductase AKR1 family members. *Biochemical Journal*, **1999**, 343, 487-504	3.8	172
129	Evolutionary conserved N-terminal domain of Nrf2 is essential for the Keap1-mediated degradation of the protein by proteasome. *Archives of Biochemistry and Biophysics*, **2005**, 433, 342-50	4.1	169
128	Transcription factor Nrf2 is essential for induction of NAD(P)H:quinone oxidoreductase 1, glutathione S-transferases, and glutamate cysteine ligase by broccoli seeds and isothiocyanates. *Journal of Nutrition*, **2004**, 134, 3499S-3506S	4.1	167
127	Induction of phase I and phase II drug-metabolizing enzyme mRNA, protein, and activity by BHA, ethoxyquin, and oltipraz. *Toxicology and Applied Pharmacology*, **1995**, 135, 45-57	4.6	167
126	Activation of hepatic Nrf2 in vivo by acetaminophen in CD-1 mice. *Hepatology*, **2004**, 39, 1267-76	11.2	166
125	Expression and polymorphism of glutathione S-transferase in human lungs: risk factors in smoking-related lung cancer. *Carcinogenesis*, **1995**, 16, 707-11	4.6	158
124	Mechanisms of induction of cytosolic and microsomal glutathione transferase (GST) genes by xenobiotics and pro-inflammatory agents. *Drug Metabolism Reviews*, **2011**, 43, 92-137	7	156
123	The gasotransmitter hydrogen sulfide induces nrf2-target genes by inactivating the keap1 ubiquitin ligase substrate adaptor through formation of a disulfide bond between cys-226 and cys-613. *Antioxidants and Redox Signaling*, **2013**, 19, 465-81	8.4	143
122	Susceptibility of Nrf2-null mice to steatohepatitis and cirrhosis upon consumption of a high-fat diet is associated with oxidative stress, perturbation of the unfolded protein response, and disturbance in the expression of metabolic enzymes but not with insulin resistance. *Molecular and Cellular Biology*, **2014**, 34, 3305-20	4.8	141
121	Hyperglycemia is a marker for poor outcome in the postoperative pediatric cardiac patient. *Pediatric Critical Care Medicine*, **2006**, 7, 351-5	3	139
120	Transcription factor Nrf2 mediates an adaptive response to sulforaphane that protects fibroblasts in vitro against the cytotoxic effects of electrophiles, peroxides and redox-cycling agents. *Toxicology and Applied Pharmacology*, **2009**, 237, 267-80	4.6	135
119	Evidence that human class Theta glutathione S-transferase T1-1 can catalyse the activation of dichloromethane, a liver and lung carcinogen in the mouse. Comparison of the tissue distribution of GST T1-1 with that of classes Alpha, Mu and Pi GST in human. *Biochemical Journal*, **1997**, 326 (Pt 3), 837-46	3.8	128
118	The Keap1/Nrf2 pathway in health and disease: from the bench to the clinic. *Biochemical Society Transactions*, **2015**, 43, 687-9	5.1	118
117	Proteomic analysis of Nrf2 deficient transgenic mice reveals cellular defence and lipid metabolism as primary Nrf2-dependent pathways in the liver. *Journal of Proteomics*, **2010**, 73, 1612-31	3.9	118
116	Mild oxidative stress activates Nrf2 in astrocytes, which contributes to neuroprotective ischemic preconditioning. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, E1-2; author reply E3-4	11.5	112
115	Reduction in antioxidant defenses may contribute to ochratoxin A toxicity and carcinogenicity. *Toxicological Sciences*, **2007**, 96, 30-9	4.4	111
114	The double-edged sword of Nrf2: subversion of redox homeostasis during the evolution of cancer. *Molecular Cell*, **2006**, 21, 732-4	17.6	107

113	Utility of siRNA against Keap1 as a strategy to stimulate a cancer chemopreventive phenotype. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 7280-7285A	11.5	107
112	Dual regulation of transcription factor Nrf2 by Keap1 and by the combined actions of βTrCP and GSK-3. *Biochemical Society Transactions*, **2015**, 43, 611-20	5.1	104
111	Peptide inhibitors of the Keap1-Nrf2 protein-protein interaction. *Free Radical Biology and Medicine*, **2012**, 52, 444-51	7.8	102
110	Neuronal development is promoted by weakened intrinsic antioxidant defences due to epigenetic repression of Nrf2. *Nature Communications*, **2015**, 6, 7066	17.4	101
109	Experimental Nonalcoholic Steatohepatitis and Liver Fibrosis Are´Ameliorated by Pharmacologic Activation of Nrf2 (NF-E2 p45-Related Factor 2). *Cellular and Molecular Gastroenterology and Hepatology*, **2018**, 5, 367-398	7.9	101
108	Induction of sulfiredoxin expression and reduction of peroxiredoxin hyperoxidation by the neuroprotective Nrf2 activator 3H-1,2-dithiole-3-thione. *Journal of Neurochemistry*, **2008**, 107, 533-43	6	100
107	Induction of cancer chemopreventive enzymes by coffee is mediated by transcription factor Nrf2. Evidence that the coffee-specific diterpenes cafestol and kahweol confer protection against acrolein. *Toxicology and Applied Pharmacology*, **2008**, 226, 328-37	4.6	99
106	The hepatotoxic metabolite of acetaminophen directly activates the Keap1-Nrf2 cell defense system. *Hepatology*, **2008**, 48, 1292-301	11.2	98
105	The Glut athione S-Transferase Supergene Family: Regulation of GST and the Contribution of the lsoenzymes to Cancer Chemoprotection and Drug Resistance Part II. *Critical Reviews in Biochemistry and Molecular Biology*, **1995**, 30, 521-600	8.7	97
104	Negative regulation of the Nrf1 transcription factor by its N-terminal domain is independent of Keap1: Nrf1, but not Nrf2, is targeted to the endoplasmic reticulum. *Biochemical Journal*, **2006**, 399, 373-85	3.8	96
103	Contribution of the glutathione S-transferases to the mechanisms of resistance to aflatoxin B1 **1991**, 50, 443-72		91
102	Mammalian class Sigma glutathione S-transferases: catalytic properties and tissue-specific expression of human and rat GSH-dependent prostaglandin D2 synthases. *Biochemical Journal*, **2001**, 359, 507-516	3.8	85
101	Activation of the NRF2 signaling pathway by copper-mediated redox cycling of para- and ortho-hydroquinones. *Chemistry and Biology*, **2010**, 17, 75-85		84
100	Major differences exist in the function and tissue-specific expression of human aflatoxin B1 aldehyde reductase and the principal human aldo-keto reductase AKR1 family members. *Biochemical Journal*, **1999**, 343, 487	3.8	84
99	Antioxidant and cytoprotective responses to redox stress. *Biochemical Society Symposia*, **2004**, 157-76		84
98	Molecular cloning, expression and catalytic activity of a human AKR7 member of the aldo-keto reductase superfamily: evidence that the major 2-carboxybenzaldehyde reductase from human liver is a homologue of rat aflatoxin B1-aldehyde reductase. *Biochemical Journal*, **1998**, 332 (Pt 1), 21-34	3.8	78
97	Cross-talk between transcription factors AhR and Nrf2: lessons for cancer chemoprevention from dioxin. *Toxicological Sciences*, **2009**, 111, 199-201	4.4	76
96	Expression of glutathione S-transferases and cytochrome P450 in normal and tumor breast tissue. *Carcinogenesis*, **1990**, 11, 2163-70	4.6	76

95	Conjugation of highly reactive aflatoxin B1 exo-8,9-epoxide catalyzed by rat and human glutathione transferases: estimation of kinetic parameters. *Biochemistry*, **1997**, 36, 3056-60	3.2	72
94	Regulation of rat glutathione S-transferase A5 by cancer chemopreventive agents: mechanisms of inducible resistance to aflatoxin B1. *Chemico-Biological Interactions*, **1998**, 111-112, 51-67	5	72
93	Increased bioactivation of dihaloalkanes in rat liver due to induction of class theta glutathione S-transferase T1-1. *Biochemical Journal*, **1998**, 335 (Pt 3), 619-30	3.8	72
92	The NHB1 (N-terminal homology box 1) sequence in transcription factor Nrf1 is required to anchor it to the endoplasmic reticulum and also to enable its asparagine-glycosylation. *Biochemical Journal* , **2007**, 408, 161-72	3.8	71
91	Sequence, catalytic properties and expression of chicken glutathione-dependent prostaglandin D2 synthase, a novel class Sigma glutathione S-transferase. *Biochemical Journal*, **1998**, 333 (Pt 2), 317-25	3.8	71
90	Glutathione S-transferase isoenzymes and glutathione peroxidase activity in normal and tumour samples from human lung. *Carcinogenesis*, **1988**, 9, 1617-21	4.6	70
89	Human embryonic stem cell derived astrocytes mediate non-cell-autonomous neuroprotection through endogenous and drug-induced mechanisms. *Cell Death and Differentiation*, **2012**, 19, 779-87	12.7	66
88	Deficiency of glutathione transferase zeta causes oxidative stress and activation of antioxidant response pathways. *Molecular Pharmacology*, **2006**, 69, 650-7	4.3	64
87	Expression of the aflatoxin B1-8,9-epoxide-metabolizing murine glutathione S-transferase A3 subunit is regulated by the Nrf2 transcription factor through an antioxidant response element. *Molecular Pharmacology*, **2003**, 64, 1018-28	4.3	59
86	Reduction of aflatoxin B1 dialdehyde by rat and human aldo-keto reductases. *Chemical Research in Toxicology*, **2001**, 14, 727-37	4	58
85	Glutathione S-transferase isoenzymes in human tumours and tumour derived cell lines. *British Journal of Cancer*, **1989**, 60, 327-31	8.7	58
84	Biochemical and genetic characterization of a murine class Kappa glutathione S-transferase. *Biochemical Journal*, **2003**, 373, 559-69	3.8	56
83	The Nrf3 transcription factor is a membrane-bound glycoprotein targeted to the endoplasmic reticulum through its N-terminal homology box 1 sequence. *Journal of Biological Chemistry*, **2009**, 284, 3195-3210	5.4	55
82	Mammalian class Sigma glutathione S-transferases: catalytic properties and tissue-specific expression of human and rat GSH-dependent prostaglandin D2 synthases. *Biochemical Journal*, **2001**, 359, 507-16	3.8	55
81	The Nrf1 CNC/bZIP protein is a nuclear envelope-bound transcription factor that is activated by t-butyl hydroquinone but not by endoplasmic reticulum stressors. *Biochemical Journal*, **2009**, 418, 293-310	3.8	54
80	Variations in the glutathione S-transferase subunits expressed in human livers. *BBA - Proteins and Proteomics*, **1986**, 874, 1-12		51
79	Elevation of AKR7A2 (succinic semialdehyde reductase) in neurodegenerative disease. *Brain Research*, **2001**, 916, 229-38	3.7	50
78	Enhanced expression of glutathione S-transferases in colorectal carcinoma compared to non-neoplastic mucosa. *Carcinogenesis*, **1991**, 12, 13-7	4.6	50

77	Allelism at the glutathione S-transferase GSTM3 locus: interactions with GSTM1 and GSTT1 as risk factors for astrocytoma. *Carcinogenesis*, **1996**, 17, 1919-22	4.6	49
76	Phosphoinositide 3-kinases upregulate system xc(-) via eukaryotic initiation factor 2 and activating transcription factor 4 - A pathway active in glioblastomas and epilepsy. *Antioxidants and Redox Signaling*, **2014**, 20, 2907-22	8.4	48
75	The polymorphic expression of neutral glutathione S-transferase in human mononuclear leucocytes as measured by specific radioimmunoassay. *Biochemical Pharmacology*, **1987**, 36, 4013-5	6	47
74	A partnership with the proteasome; the destructive nature of GSK3. *Biochemical Pharmacology*, **2018**, 147, 77-92	6	46
73	Transcription factor Nrf1 negatively regulates the cystine/glutamate transporter and lipid-metabolizing enzymes. *Molecular and Cellular Biology*, **2014**, 34, 3800-16	4.8	46
72	Glutathione S-transferases **2002**, 319-352		41
71	Over-expression of P-glycoprotein and glutathione S-transferase pi in MCF-7 cells selected for vincristine resistance in vitro. *International Journal of Cancer*, **1992**, 52, 241-6	7.5	41
70	Plasma Glutathione S-Transferase Measurements and Liver Disease in Man. *Journal of Clinical Biochemistry and Nutrition*, **1987**, 2, 1-24	3.1	41
69	Tissue-specific expression and subcellular distribution of murine glutathione S-transferase class kappa. *Journal of Histochemistry and Cytochemistry*, **2004**, 52, 653-62	3.4	40
68	Prostaglandin D2 synthase enzymes and PPARgamma are co-expressed in mouse 3T3-L1 adipocytes and human tissues. *Prostaglandins and Other Lipid Mediators*, **2003**, 70, 267-84	3.7	40
67	Characterization of the rat glutathione S-transferase Yc2 subunit gene, GSTA5: identification of a putative antioxidant-responsive element in the 5'-flanking region of rat GSTA5 that may mediate chemoprotection against aflatoxin B1. *Biochemical Journal*, **1996**, 318 (Pt 1), 75-84	3.8	39
66	Nrf2 orchestrates fuel partitioning for cell proliferation. *Cell Metabolism*, **2012**, 16, 139-41	24.6	38
65	The cap'n'collar transcription factor Nrf2 mediates both intrinsic resistance to environmental stressors and an adaptive response elicited by chemopreventive agents that determines susceptibility to electrophilic xenobiotics. *Chemico-Biological Interactions*, **2011**, 192, 37-45	5	38
64	Glutathione S-transferase isoenzymes in human renal carcinoma demonstrated by immunohistochemistry. *Carcinogenesis*, **1989**, 10, 1257-60	4.6	38
63	Direct comparison of the nature of mouse and human GST T1-1 and the implications on dichloromethane carcinogenicity. *Toxicology and Applied Pharmacology*, **2002**, 179, 89-97	4.6	37
62	Glutathione-s-transferase pi expression in leukaemia: a comparative analysis with mdr-1 data. *British Journal of Cancer*, **1990**, 62, 209-12	8.7	36
61	Expression of the murine glutathione S-transferase alpha3 (GSTA3) subunit is markedly induced during adipocyte differentiation: activation of the GSTA3 gene promoter by the pro-adipogenic eicosanoid 15-deoxy-Delta12,14-prostaglandin J2. *Biochemical and Biophysical Research Communications*, **2003**, 312, 1226-35	3.4	35
60	Novel homodimeric and heterodimeric rat gamma-hydroxybutyrate synthases that associate with the Golgi apparatus define a distinct subclass of aldo-keto reductase 7 family proteins. *Biochemical Journal*, **2002**, 366, 847-61	3.8	35

59	A novel shogaol analog suppresses cancer cell invasion and inflammation, and displays cytoprotective effects through modulation of NF-B and Nrf2-Keap1 signaling pathways. *Toxicology and Applied Pharmacology*, **2013**, 272, 852-62	4.6	34
58	1-Cyano-2,3-epithiopropane is a novel plant-derived chemopreventive agent which induces cytoprotective genes that afford resistance against the genotoxic alpha,beta-unsaturated aldehyde acrolein. *Carcinogenesis*, **2009**, 30, 1754-62	4.6	34
57	Identification of topological determinants in the N-terminal domain of transcription factor Nrf1 that control its orientation in the endoplasmic reticulum membrane. *Biochemical Journal*, **2010**, 430, 497-510	3.8	34
56	Purification from rat liver of a novel constitutively expressed member of the aldo-keto reductase 7 family that is widely distributed in extrahepatic tissues. *Biochemical Journal*, **2000**, 348, 389-400	3.8	34
55	The major glutathione S-transferase in salmonid fish livers is homologous to the mammalian pi-class GST. *Comparative Biochemistry and Physiology Part B: Comparative Biochemistry*, **1991**, 100, 93-8		33
54	The selective post-translational processing of transcription factor Nrf1 yields distinct isoforms that dictate its ability to differentially regulate gene expression. *Scientific Reports*, **2015**, 5, 12983	4.9	32
53	Transcription factor Nrf1 is topologically repartitioned across membranes to enable target gene transactivation through its acidic glucose-responsive domains. *PLoS ONE*, **2014**, 9, e93458	3.7	31
52	Analysis of the role of Nrf2 in the expression of liver proteins in mice using two-dimensional gel-based proteomics. *Pharmacological Reports*, **2012**, 64, 680-97	3.9	30
51	Glutathione S-transferases in man: the relationship between rat and human enzymes. *Biochemical Society Transactions*, **1987**, 15, 721-5	5.1	30
50	Human Mu-class glutathione S-transferases present in liver, skeletal muscle and testicular tissue. *BBA - Proteins and Proteomics*, **1993**, 1203, 131-41		29
49	Characterization of the rat aflatoxin B1 aldehyde reductase gene, AKR7A1. Structure and chromosomal localization of AKR7A1 as well as identification of antioxidant response elements in the gene promoter. *Carcinogenesis*, **2003**, 24, 727-37	4.6	28
48	The membrane-topogenic vectorial behaviour of Nrf1 controls its post-translational modification and transactivation activity. *Scientific Reports*, **2013**, 3, 2006	4.9	27
47	Fish and mammalian liver cytosolic glutathione S-transferases: Substrate specificities and immunological comparison. *Marine Environmental Research*, **1989**, 28, 41-46	3.3	25
46	Glutathione S-transferase levels in autoimmune chronic active hepatitis: a more sensitive index of hepatocellular damage than aspartate transaminase. *Clinica Chimica Acta*, **1988**, 172, 211-6	6.2	25
45	Nrf2-Mediated Neuroprotection Against Recurrent Hypoglycemia Is Insufficient to Prevent Cognitive Impairment in a Rodent Model of Type 1 Diabetes. *Diabetes*, **2016**, 65, 3151-60	0.9	24
44	Purification of acidic glutathione S-transferases from human lung, placenta and erythrocyte and the development of a specific radioimmunoassay for their measurement. *Clinica Chimica Acta*, **1988**, 177, 65-75	6.2	24
43	Positive and negative regulation of prostaglandin E2 biosynthesis in human colorectal carcinoma cells by cancer chemopreventive agents. *Biochemical Pharmacology*, **2003**, 66, 51-61	6	23
42	Plasma glutathione S-transferase measurements by radioimmunoassay: a sensitive index of hepatocellular damage in man. *Clinica Chimica Acta*, **1985**, 146, 11-9	6.2	23

41	Growth hormone- and testosterone-dependent regulation of glutathione transferase subunit A5 in rat liver. *Biochemical Journal*, **1998**, 332 (Pt 3), 763-8	3.8	22
40	Expression of glyoxalase, glutathione peroxidase and glutathione S-transferase isoenzymes in different bovine tissues. *BBA - Proteins and Proteomics*, **1989**, 994, 21-9		21
39	A leptin-regulated circuit controls glucose mobilization during noxious stimuli. *Journal of Clinical Investigation*, **2017**, 127, 3103-3113	15.9	21
38	Nrf2 target genes can be controlled by neuronal activity in the absence of Nrf2 and astrocytes. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, E1818-20	11.5	20
37	Modulation of glutathione S-transferases and glutathione peroxidase by the anticarcinogen butylated hydroxyanisole in murine extrahepatic organs. *Carcinogenesis*, **1992**, 13, 2255-61	4.6	20
36	NRF2 and the Ambiguous Consequences of Its Activation during Initiation and the Subsequent Stages of Tumourigenesis. *Cancers*, **2020**, 12,	6.6	20
35	Increased levels of alpha-class and pi-class glutathione S-transferases in cell lines resistant to 1-chloro-2,4-dinitrobenzene. *FEBS Journal*, **1993**, 217, 671-6		19
34	Characterization of liver injury, oval cell proliferation and cholangiocarcinogenesis in glutathione S-transferase A3 knockout mice. *Carcinogenesis*, **2017**, 38, 717-727	4.6	15
33	Oncogene-Stimulated Congestion at the KEAP1 Stress Signaling Hub Allows Bypass of NRF2 and Induction of NRF2-Target Genes that Promote Tumor Survival. *Cancer Cell*, **2017**, 32, 539-541	24.3	14
32	Identification and characterisation of new inhibitors for the human hematopoietic prostaglandin D2 synthase. *European Journal of Medicinal Chemistry*, **2010**, 45, 447-54	6.8	14
31	11. Cellular response to cancer chemopreventive agents: contribution of the antioxidant responsive element to the adaptive response to oxidative and chemical stress **1999**, 141-168		14
30	Localisation of alpha, mu and pi class glutathione S-transferases in kidney: comparison with CuZn superoxide dismutase. *Biochimica Et Biophysica Acta - General Subjects*, **1993**, 1157, 204-8	4	14
29	Glutathione S-transferase localization in aflatoxin B1-treated rat livers. *Carcinogenesis*, **1990**, 11, 927-31	4.6	14
28	Plasma glutathione S-transferase measurements in patients with alcoholic cirrhosis. *Clinica Chimica Acta*, **1987**, 169, 85-9	6.2	14
27	Decreased hepatic glutathione S-transferase A, AA and L concentration produced by prolonged thyroid hormone administration. *Biochemical Pharmacology*, **1988**, 37, 3201-4	6	14
26	Epigenetic Control of NRF2-Directed Cellular Antioxidant Status in Dictating Life-Death Decisions. *Molecular Cell*, **2017**, 68, 5-7	17.6	14
25	Zinc-binding triggers a conformational-switch in the cullin-3 substrate adaptor protein KEAP1 that controls transcription factor NRF2. *Toxicology and Applied Pharmacology*, **2018**, 360, 45-57	4.6	14
24	Beam-Steering All-Optical Switch for Multi-Core Fibers **2017**,		13

23	Regulation of the CNC-bZIP transcription factor Nrf2 by Keap1 and the axis between GSK-3 and □TrCP. *Current Opinion in Toxicology*, **2016**, 1, 92-103	4.4	12
22	Alteration of glutathione S-transferase levels in Barrett's metaplasia compared to normal oesophageal epithelium. *European Journal of Gastroenterology and Hepatology*, **2003**, 15, 41-7	2.2	11
21	Determinants of specificity for aflatoxin B1-8,9-epoxide in Alpha-class glutathione S-transferases. *Biochemical Journal*, **1999**, 339, 95-101	3.8	11
20	Targeting the Ataxia Telangiectasia Mutated-null phenotype in chronic lymphocytic leukemia with pro-oxidants. *Haematologica*, **2015**, 100, 1076-85	6.6	10
19	Purification from rat liver of a novel constitutively expressed member of the aldo-keto reductase 7 family that is widely distributed in extrahepatic tissues. *Biochemical Journal*, **2000**, 348, 389	3.8	10
18	Induction of the Antioxidant Response by the Transcription Factor NRF2 Increases Bioactivation of the Mutagenic Air Pollutant 3-Nitrobenzanthrone in Human Lung Cells. *Chemical Research in Toxicology*, **2019**, 32, 2538-2551	4	10
17	Using participant event monitoring in a cohort study of unintentional injuries among children and adolescents. *American Journal of Public Health*, **2007**, 97, 283-90	5.1	8
16	Expression of rat aldehyde reductase AKR7A1: influence of age and sex and tissue-specific inducibility. *Biochemical Pharmacology*, **2001**, 62, 1511-9	6	8
15	Purification of bile acid-binding proteins from rat hepatic cytosol. Use of a photoaffinity label to detect novel Y' binders. *Lipids and Lipid Metabolism*, **1986**, 875, 270-85		8
14	Spatial monitoring of toxicity in HMOX-LacZ transgenic mice. *Transgenic Research*, **2010**, 19, 897-902	3.3	7
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11	3-(2-oxoethylidene)indolin-2-one derivatives activate Nrf2 and inhibit NF-B: potential candidates for chemoprevention. *ChemMedChem*, **2014**, 9, 1763-74	3.7	3
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9	Low signal correction scheme for low dose CBCT: the good, the bad, and the ugly **2017**,		3
8	Exploring nonlinear pulse propagation, Raman frequency conversion and near octave spanning supercontinuum generation in atmospheric air-filled hollow-core Kagom□fiber **2017**,		2
7	Determinants of specificity for aflatoxin B1-8,9-epoxide in Alpha-class glutathione S-transferases. *Biochemical Journal*, **1999**, 339, 95	3.8	2
6	Non-canonical Keap1-independent activation of Nrf2 in astrocytes by mild oxidative stress. *Redox Biology*, **2021**, 47, 102158	11.3	2

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5	Con Drury: philosopher and psychiatrist. *History of Psychiatry*, **2017**, 28, 391-409	0.6	1
4	Competing Reactions of Aflatoxin B1 Dialdehyde: Enzymatic Reduction versus Adduction with Lysine. *ACS Symposium Series*, **2003**, 171-182	0.4	1
3	Cut-price knockout?. *Human and Experimental Toxicology*, **1995**, 14, 929-30	3.4	
2	Mammalian Glutathione S-Transferase Genes **2006**, 27-46		
1	Dimerisation of adaptor protein Keap1 is required to correctly position Nrf2 for ubiquitylation upon the Cul3-Rbx1 holoenzyme: the fixed-ends model. *FASEB Journal*, **2007**, 21, A1020	0.9	