Gary Williamson

List of Publications by Citations

438 papers	36,060 citations	98 h-index	174 g-index
460 ext. papers	38,527 ext. citations	4.9 avg, IF	7.5 L-index

#	Paper	IF	Citations
438	Bioavailability and bioefficacy of polyphenols in humans. I. Review of 97 bioavailability studies. *American Journal of Clinical Nutrition*, **2005**, 81, 230S-242S	7	2926
437	Dietary intake and bioavailability of polyphenols. *Journal of Nutrition*, **2000**, 130, 2073S-85S	4.1	2363
436	Bioavailability and bioefficacy of polyphenols in humans. II. Review of 93 intervention studies. *American Journal of Clinical Nutrition*, **2005**, 81, 243S-255S	7	989
435	Dietary flavonoid and isoflavone glycosides are hydrolysed by the lactase site of lactase phlorizin hydrolase. *FEBS Letters*, **2000**, 468, 166-70	3.8	552
434	Deglycosylation of flavonoid and isoflavonoid glycosides by human small intestine and liver beta-glucosidase activity. *FEBS Letters*, **1998**, 436, 71-5	3.8	521
433	Deglycosylation by small intestinal epithelial cell beta-glucosidases is a critical step in the absorption and metabolism of dietary flavonoid glycosides in humans. *European Journal of Nutrition* , **2003**, 42, 29-42	5.2	495
432	How should we assess the effects of exposure to dietary polyphenols in vitro?. *American Journal of Clinical Nutrition*, **2004**, 80, 15-21	7	405
431	A review of the health effects of green tea catechins in in vivo animal models. *Journal of Nutrition*, **2004**, 134, 3431S-3440S	4.1	391
430	Nutrients and phytochemicals: from bioavailability to bioefficacy beyond antioxidants. *Current Opinion in Biotechnology*, **2008**, 19, 73-82	11.4	368
429	Human metabolism of dietary flavonoids: identification of plasma metabolites of quercetin. *Free Radical Research*, **2001**, 35, 941-52	4	360
428	In vitro metabolism of anthocyanins by human gut microflora. *European Journal of Nutrition*, **2005**, 44, 133-42	5.2	338
427	Colonic metabolites of berry polyphenols: the missing link to biological activity?. *British Journal of Nutrition*, **2010**, 104 Suppl 3, S48-66	3.6	327
426	A critical review of the bioavailability of glucosinolates and related compounds. *Natural Product Reports*, **2004**, 21, 425-47	15.1	326
425	Use of metabolically competent human hepatoma cells for the detection of mutagens and antimutagens. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **1998**, 402, 185-202	3.3	307
424	Metabolite profiling of hydroxycinnamate derivatives in plasma and urine after the ingestion of coffee by humans: identification of biomarkers of coffee consumption. *Drug Metabolism and Disposition*, **2009**, 37, 1749-58	4	300
423	Bioavailability of phyto-oestrogens. *British Journal of Nutrition*, **2003**, 89 Suppl 1, S45-58	3.6	297
422	Flavonoids for controlling starch digestion: structural requirements for inhibiting human alpha-amylase. *Journal of Medicinal Chemistry*, **2008**, 51, 3555-61	8.3	296

421	Conjugation position of quercetin glucuronides and effect on biological activity. *Free Radical Biology and Medicine*, **2000**, 29, 1234-43	7.8	289
420	Chocolate intake increases urinary excretion of polyphenol-derived phenolic acids in healthy human subjects. *American Journal of Clinical Nutrition*, **2003**, 77, 912-8	7	284
419	Cocoa procyanidins are stable during gastric transit in humans. *American Journal of Clinical Nutrition* , **2002**, 76, 1106-10	7	279
418	Flavonoids and heart health: proceedings of the ILSI North America Flavonoids Workshop, May 31-June 1, 2005, Washington, DC. *Journal of Nutrition*, **2007**, 137, 718S-737S	4.1	271
417	Absorption of quercetin-3-glucoside and quercetin-4'-glucoside in the rat small intestine: the role of lactase phlorizin hydrolase and the sodium-dependent glucose transporter. *Biochemical Pharmacology*, **2003**, 65, 1199-206	6	260
416	Esterase activity able to hydrolyze dietary antioxidant hydroxycinnamates is distributed along the intestine of mammals. *Journal of Agricultural and Food Chemistry*, **2001**, 49, 5679-84	5.7	248
415	Quercetin derivatives are deconjugated and converted to hydroxyphenylacetic acids but not methylated by human fecal flora in vitro. *Journal of Agricultural and Food Chemistry*, **2002**, 50, 1725-30	5.7	245
414	Cocoa and health: a decade of research. *British Journal of Nutrition*, **2008**, 99, 1-11	3.6	241
413	Metabolism of quercetin-7- and quercetin-3-glucuronides by an in vitro hepatic model: the role of human beta-glucuronidase, sulfotransferase, catechol-O-methyltransferase and multi-resistant protein 2 (MRP2) in flavonoid metabolism. *Biochemical Pharmacology*, **2003**, 65, 479-91	6	237
412	Nutrigenomics and nutrigenetics: the emerging faces of nutrition. *FASEB Journal*, **2005**, 19, 1602-16	0.9	236
411	Possible effects of dietary polyphenols on sugar absorption and digestion. *Molecular Nutrition and Food Research*, **2013**, 57, 48-57	5.9	235
410	The Bioavailability, Transport, and Bioactivity of Dietary Flavonoids: A Review from a Historical Perspective. *Comprehensive Reviews in Food Science and Food Safety*, **2018**, 17, 1054-1112	16.4	231
409	Antioxidant properties of catechins and proanthocyanidins: effect of polymerisation, galloylation and glycosylation. *Free Radical Research*, **1998**, 29, 351-8	4	231
408	The role of polyphenols in modern nutrition. *Nutrition Bulletin*, **2017**, 42, 226-235	3.5	228
407	Effect of variety, processing, and storage on the flavonoid glycoside content and composition of lettuce and endive. *Journal of Agricultural and Food Chemistry*, **2000**, 48, 3957-64	5.7	228
406	Effect of flavonoids and vitamin E on cyclooxygenase-2 (COX-2) transcription. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2004**, 551, 245-54	3.3	227
405	Bioavailability is improved by enzymatic modification of the citrus flavonoid hesperidin in humans: a randomized, double-blind, crossover trial. *Journal of Nutrition*, **2006**, 136, 404-8	4.1	226
404	Hydroxycinnamates in plants and food: current and future perspectives. *Journal of the Science of Food and Agriculture*, **1999**, 79, 355-361	4.3	215

403	Isolation and characterization of human colonic bacteria able to hydrolyse chlorogenic acid. *Journal of Applied Microbiology*, **2001**, 90, 873-81	4.7	214
402	Intestinal transport of quercetin glycosides in rats involves both deglycosylation and interaction with the hexose transport pathway. *Journal of Nutrition*, **2000**, 130, 2765-71	4.1	213
401	Intestinal release and uptake of phenolic antioxidant diferulic acids. *Free Radical Biology and Medicine*, **2001**, 31, 304-14	7.8	211
400	Release of Covalently Bound Ferulic Acid from Fiber in the Human Colon. *Journal of Agricultural and Food Chemistry*, **1997**, 45, 661-667	5.7	207
399	Bioavailability and metabolism. *Molecular Aspects of Medicine*, **2002**, 23, 39-100	16.7	205
398	Polyphenols and phenolic acids from strawberry and apple decrease glucose uptake and transport by human intestinal Caco-2 cells. *Molecular Nutrition and Food Research*, **2010**, 54, 1773-80	5.9	187
397	Bioavailability of chlorogenic acids following acute ingestion of coffee by humans with an ileostomy. *Archives of Biochemistry and Biophysics*, **2010**, 501, 98-105	4.1	186
396	Structure identification of feruloylated oligosaccharides from sugar-beet pulp by NMR spectroscopy. *Carbohydrate Research*, **1994**, 263, 243-56	2.9	186
395	Role of the small intestine, colon and microbiota in determining the metabolic fate of polyphenols. *Biochemical Pharmacology*, **2017**, 139, 24-39	6	184
394	Absorption/metabolism of sulforaphane and quercetin, and regulation of phase II enzymes, in human jejunum in vivo. *Drug Metabolism and Disposition*, **2003**, 31, 805-13	4	183
393	Critical review of health effects of soyabean phyto-oestrogens in post-menopausal women. *Proceedings of the Nutrition Society*, **2006**, 65, 76-92	2.9	180
392	Purification and characterization of a ferulic acid esterase (FAE-III) from Aspergillus niger: specificity for the phenolic moiety and binding to microcrystalline cellulose. *Microbiology (United Kingdom)*, **1994**, 140, 779-787	2.9	177
391	Development of isothiocyanate-enriched broccoli, and its enhanced ability to induce phase 2 detoxification enzymes in mammalian cells. *Theoretical and Applied Genetics*, **2003**, 106, 727-34	6	173
390	Hydroxycinnamic acids and ferulic acid dehydrodimers in barley and processed barley. *Journal of Agricultural and Food Chemistry*, **2001**, 49, 4884-8	5.7	171
389	Release of ferulic acid from wheat bran by a ferulic acid esterase (FAE-III) from Aspergillus niger. *Applied Microbiology and Biotechnology*, **1995**, 43, 1082-7	5.7	170
388	Review of the factors affecting bioavailability of soy isoflavones in humans. *Nutrition and Cancer*, **2007**, 57, 1-10	2.8	167
387	The faeA genes from Aspergillus niger and Aspergillus tubingensis encode ferulic acid esterases involved in degradation of complex cell wall polysaccharides. *Applied and Environmental Microbiology*, **1997**, 63, 4638-44	4.8	166
386	Hairy plant polysaccharides: a close shave with microbial esterases. *Microbiology (United Kingdom)*, **1998**, 144 (Pt 8), 2011-2023	2.9	166

385	In vitro biological properties of flavonoid conjugates found in vivo. *Free Radical Research*, **2005**, 39, 457-69	4	165
384	Mechanism of action of dietary chemoprotective agents in rat liver: induction of phase I and II drug metabolizing enzymes and aflatoxin B1 metabolism. *Carcinogenesis*, **1997**, 18, 1729-38	4.6	162
383	Solution structure of the granular starch binding domain of Aspergillus niger glucoamylase bound to beta-cyclodextrin. *Structure*, **1997**, 5, 647-61	5.2	162
382	Isolation and structural determination of two 5,5?-diferuloyl oligosaccharides indicate that maize heteroxylans are covalently cross-linked by oxidatively coupled ferulates. *Carbohydrate Research*, **1999**, 320, 82-92	2.9	158
381	A novel class of protein from wheat which inhibits xylanases1. *Biochemical Journal*, **1999**, 338, 441-446	3.8	156
380	Metabolism of chlorogenic acid by human plasma, liver, intestine and gut microflora. *Journal of the Science of Food and Agriculture*, **1999**, 79, 390-392	4.3	151
379	Degradation of feruloylated oligosaccharides from sugar-beet pulp and wheat bran by ferulic acid esterases from Aspergillus niger. *Carbohydrate Research*, **1994**, 263, 257-69	2.9	150
378	Absorption, metabolism, and excretion of green tea flavan-3-ols in humans with an ileostomy. *Molecular Nutrition and Food Research*, **2010**, 54, 323-34	5.9	148
377	Anticarcinogenic factors in plant foods: a new class of nutrients?. *Nutrition Research Reviews*, **1994**, 7, 175-204	7	147
376	A modular esterase from Pseudomonas fluorescens subsp. cellulosa contains a non-catalytic cellulose-binding domain. *Biochemical Journal*, **1993**, 294 (Pt 2), 349-55	3.8	141
375	Isolation and purification of feruloylated oligosaccharides from cell walls of sugar-beet pulp. *Carbohydrate Research*, **1994**, 263, 227-41	2.9	133
374	A comparison of the in vitro biotransformation of (-)-epicatechin and procyanidin B2 by human faecal microbiota. *Molecular Nutrition and Food Research*, **2010**, 54, 747-59	5.9	132
373	Rapid reversed phase ultra-performance liquid chromatography analysis of the major cocoa polyphenols and inter-relationships of their concentrations in chocolate. *Journal of Agricultural and Food Chemistry*, **2007**, 55, 2841-7	5.7	132
372	Novel approaches to the biosynthesis of vanillin. *Current Opinion in Biotechnology*, **2000**, 11, 490-6	11.4	132
371	Esters of 3-chloro-1,2-propanediol (3-MCPD) in vegetable oils: significance in the formation of 3-MCPD. *Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment*, **2008**, 25, 391-400	3.2	131
370	Flavonoid glucuronides are substrates for human liver beta-glucuronidase. *FEBS Letters*, **2001**, 503, 103-6	3.8	131
369	Human metabolic pathways of dietary flavonoids and cinnamates. *Biochemical Society Transactions*, **2000**, 28, 16-22	5.1	130
368	The role of hydroxycinnamates in the plant cell wall. *Journal of the Science of Food and Agriculture*, **1999**, 79, 393-395	4.3	128

367	Phospholipid hydroperoxide glutathione peroxidase activity of human glutathione transferases. *Biochemical Journal*, **1998**, 332 (Pt 1), 97-100	3.8	125
366	Transport and metabolism of ferulic acid through the colonic epithelium. *Drug Metabolism and Disposition*, **2008**, 36, 190-7	4	124
365	Flavonoid-mediated inhibition of intestinal ABC transporters may affect the oral bioavailability of drugs, food-borne toxic compounds and bioactive ingredients. *Biomedicine and Pharmacotherapy*, **2006**, 60, 508-19	7.5	124
364	The starch-binding domain from glucoamylase disrupts the structure of starch. *FEBS Letters*, **1999**, 447, 58-60	3.8	124
363	Polyphenol content and health benefits of raisins. *Nutrition Research*, **2010**, 30, 511-9	4	123
362	Urinary metabolites as biomarkers of polyphenol intake in humans: a systematic review. *American Journal of Clinical Nutrition*, **2010**, 92, 801-9	7	123
361	Metabolism and transport of the citrus flavonoid hesperetin in Caco-2 cell monolayers. *Drug Metabolism and Disposition*, **2008**, 36, 1794-802	4	119
360	Sulforaphane and its glutathione conjugate but not sulforaphane nitrile induce UDP-glucuronosyl transferase (UGT1A1) and glutathione transferase (GSTA1) in cultured cells. *Carcinogenesis*, **2002**, 23, 1399-404	4.6	118
359	Selective increase of the potential anticarcinogen 4-methylsulphinylbutyl glucosinolate in broccoli. *Carcinogenesis*, **1998**, 19, 605-9	4.6	117
358	The purification and characterization of 4-hydroxy-3-methoxycinnamic (ferulic) acid esterase from Streptomyces olivochromogenes. *Journal of General Microbiology*, **1991**, 137, 2339-45		116
357	Effects of resveratrol alone or in combination with piperine on cerebral blood flow parameters and cognitive performance in human subjects: a randomised, double-blind, placebo-controlled, cross-over investigation. *British Journal of Nutrition*, **2014**, 112, 203-13	3.6	114
356	Interactions affecting the bioavailability of dietary polyphenols in vivo. *International Journal for Vitamin and Nutrition Research*, **2007**, 77, 224-35	1.7	114
355	Dietary quercetin glycosides: antioxidant activity and induction of the anticarcinogenic phase II marker enzyme quinone reductase in Hepalclc7 cells. *Carcinogenesis*, **1996**, 17, 2385-7	4.6	114
354	Dietary reference intake (DRI) value for dietary polyphenols: are we heading in the right direction?. *British Journal of Nutrition*, **2008**, 99 Suppl 3, S55-8	3.6	113
353	7-Methylsulfinylheptyl and 8-methylsulfinyloctyl isothiocyanates from watercress are potent inducers of phase II enzymes. *Carcinogenesis*, **2000**, 21, 1983-8	4.6	110
352	Solution structure of the granular starch binding domain of glucoamylase from Aspergillus niger by nuclear magnetic resonance spectroscopy. *Journal of Molecular Biology*, **1996**, 259, 970-87	6.5	110
351	In vivo bioavailability, absorption, excretion, and pharmacokinetics of [14C]procyanidin B2 in male rats. *Drug Metabolism and Disposition*, **2010**, 38, 287-91	4	109
350	Bioavailability of Quercetin in Humans with a Focus on Interindividual Variation. *Comprehensive Reviews in Food Science and Food Safety*, **2018**, 17, 714-731	16.4	107

349	(+)-Catechin is more bioavailable than (-)-catechin: relevance to the bioavailability of catechin from cocoa. *Free Radical Research*, **2006**, 40, 1029-34	4	107
348	Elucidation of (-)-epicatechin metabolites after ingestion of chocolate by healthy humans. *Free Radical Biology and Medicine*, **2012**, 53, 787-95	7.8	106
347	Induction of the anticarcinogenic marker enzyme, quinone reductase, in murine hepatoma cells in vitro by flavonoids. *Cancer Letters*, **1997**, 120, 213-6	9.9	106
346	Intact glucosinolate analysis in plant extracts by programmed cone voltage electrospray LC/MS: performance and comparison with LC/MS/MS methods. *Analytical Biochemistry*, **2002**, 306, 83-91	3.1	103
345	Identification of the major glucosinolate (4-mercaptobutyl glucosinolate) in leaves of Eruca sativa L. (salad rocket). *Phytochemistry*, **2002**, 61, 25-30	4	101
344	Interactions defining the specificity between fungal xylanases and the xylanase-inhibiting protein XIP-I from wheat. *Biochemical Journal*, **2002**, 365, 773-81	3.8	101
343	The dual nature of the wheat xylanase protein inhibitor XIP-I: structural basis for the inhibition of family 10 and family 11 xylanases. *Journal of Biological Chemistry*, **2004**, 279, 36029-37	5.4	99
342	Release of ferulic acid dehydrodimers from plant cell walls by feruloyl esterases. *Journal of the Science of Food and Agriculture*, **1999**, 79, 428-434	4.3	99
341	Flavanols from green tea and phenolic acids from coffee: critical quantitative evaluation of the pharmacokinetic data in humans after consumption of single doses of beverages. *Molecular Nutrition and Food Research*, **2011**, 55, 864-73	5.9	98
340	Properties of quercetin conjugates: modulation of LDL oxidation and binding to human serum albumin. *Free Radical Research*, **2004**, 38, 877-84	4	98
339	Profile of polyphenols and phenolic acids in bracts and receptacles of globe artichoke (Cynara cardunculus var. scolymus) germplasm. *Journal of Food Composition and Analysis*, **2011**, 24, 148-153	4.1	97
338	A modular esterase from Penicillium funiculosum which releases ferulic acid from plant cell walls and binds crystalline cellulose contains a carbohydrate binding module. *FEBS Journal*, **2000**, 267, 6740-52		96
337	Absorption, conjugation and excretion of the flavanones, naringenin and hesperetin from alpha-rhamnosidase-treated orange juice in human subjects. *British Journal of Nutrition*, **2010**, 103, 1602-9	3.6	94
336	Measurement of caffeic and ferulic acid equivalents in plasma after coffee consumption: small intestine and colon are key sites for coffee metabolism. *Molecular Nutrition and Food Research*, **2010**, 54, 760-6	5.9	94
335	Antioxidant properties of the major polyphenolic compounds in broccoli. *Free Radical Research*, **1997**, 27, 429-35	4	94
334	Caffeoylquinic acids and flavonoids in the immature inflorescence of globe artichoke, wild cardoon, and cultivated cardoon. *Journal of Agricultural and Food Chemistry*, **2010**, 58, 1026-31	5.7	93
333	Biomarkers for exposure to dietary flavonoids: a review of the current evidence for identification of quercetin glycosides in plasma. *British Journal of Nutrition*, **2001**, 86 Suppl 1, S105-10	3.6	91
332	Phenolic sulfates as new and highly abundant metabolites in human plasma after ingestion of a mixed berry fruit puré. *British Journal of Nutrition*, **2015**, 113, 454-63	3.6	89

331	Phenolic acids and flavonoids in leaf and floral stem of cultivated and wild Cynara cardunculus L. genotypes. *Food Chemistry*, **2011**, 126, 417-422	8.5	88
330	Polyphenols from alcoholic apple cider are absorbed, metabolized and excreted by humans. *Journal of Nutrition*, **2002**, 132, 172-5	4.1	87
329	An Aspergillus niger esterase (ferulic acid esterase III) and a recombinant Pseudomonas fluorescens subsp. cellulosa esterase (Xy1D) release a 5-5' ferulic dehydrodimer (diferulic acid) from barley and wheat cell walls. *Applied and Environmental Microbiology*, **1997**, 63, 208-12	4.8	87
328	Sulforaphane and quercetin modulate PhIP-DNA adduct formation in human HepG2 cells and hepatocytes. *Carcinogenesis*, **2003**, 24, 1903-11	4.6	85
327	O-glycosylation in Aspergillus glucoamylase. Conformation and role in binding. *Biochemical Journal*, **1992**, 282 (Pt 2), 423-8	3.8	84
326	XIP-I, a xylanase inhibitor protein from wheat: a novel protein function. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2004**, 1696, 203-11	4	83
325	Skin bioavailability of dietary vitamin E, carotenoids, polyphenols, vitamin C, zinc and selenium. *British Journal of Nutrition*, **2006**, 96, 227-38	3.6	82
324	Dietary glucosinolates as blocking agents against carcinogenesis: glucosinolate breakdown products assessed by induction of quinone reductase activity in murine hepa1c1c7 cells. *Carcinogenesis*, **1995**, 16, 1191-4	4.6	81
323	Impact of dose on the bioavailability of coffee chlorogenic acids in humans. *Food and Function*, **2014**, 5, 1727-37	6.1	80
322	Ferulic acid dehydrodimers from wheat bran: isolation, purification and antioxidant properties of 8-O-4-diferulic acid. *Redox Report*, **1997**, 3, 319-23	5.9	78
321	Inhibition of human □amylase by dietary polyphenols. *Journal of Functional Foods*, **2015**, 19, 723-732	5.1	77
320	Flavonoid conjugates interact with organic anion transporters (OATs) and attenuate cytotoxicity of adefovir mediated by organic anion transporter 1 (OAT1/SLC22A6). *Biochemical Pharmacology*, **2011**, 81, 942-9	6	77
319	Are whole extracts and purified glucosinolates from cruciferous vegetables antioxidants?. *Free Radical Research*, **1996**, 25, 75-86	4	77
318	Synthesis of pentylferulate by a feruloyl esterase from Aspergillus niger using water-in-oil microemulsions. *Biotechnology Letters*, **2001**, 23, 325-330	3	76
317	Cocoa and human health. *Annual Review of Nutrition*, **2013**, 33, 105-28	9.9	74
316	Synergy between sulforaphane and selenium in the induction of thioredoxin reductase 1 requires both transcriptional and translational modulation. *Carcinogenesis*, **2003**, 24, 497-503	4.6	74
315	Polyphenols: dietary components with established benefits to health?. *Journal of the Science of Food and Agriculture*, **2005**, 85, 1239-1240	4.3	74
314	Phase II metabolism of hesperetin by individual UDP-glucuronosyltransferases and sulfotransferases and rat and human tissue samples. *Drug Metabolism and Disposition*, **2010**, 38, 617-25	4	73

313	A novel class of protein from wheat which inhibits xylanases1. *Biochemical Journal*, **1999**, 338, 441	3.8	73
312	Both binding sites of the starch-binding domain of Aspergillus niger glucoamylase are essential for inducing a conformational change in amylose. *Journal of Molecular Biology*, **2001**, 313, 1149-59	6.5	72
311	High-level production of recombinant fungal endo-beta-1,4-xylanase in the methylotrophic yeast Pichia pastoris. *Protein Expression and Purification*, **2000**, 19, 179-87	2	71
310	Antioxidant properties of flavonol glycosides from green beans. *Redox Report*, **1999**, 4, 123-7	5.9	71
309	A modular cinnamoyl ester hydrolase from the anaerobic fungus Piromyces equi acts synergistically with xylanase and is part of a multiprotein cellulose-binding cellulase□emicellulase complex. *Biochemical Journal*, **1999**, 343, 215-224	3.8	71
308	Effect of cruciferous vegetable consumption on heterocyclic aromatic amine metabolism in man. *Carcinogenesis*, **2001**, 22, 1413-20	4.6	70
307	Quercetin metabolites downregulate cyclooxygenase-2 transcription in human lymphocytes ex vivo but not in vivo. *Journal of Nutrition*, **2004**, 134, 552-7	4.1	69
306	Intestinal absorption, metabolism, and excretion of (-)-epicatechin in healthy humans assessed by using an intestinal perfusion technique. *American Journal of Clinical Nutrition*, **2013**, 98, 924-33	7	68
305	Interaction of positional isomers of quercetin glucuronides with the transporter ABCC2 (cMOAT, MRP2). *Drug Metabolism and Disposition*, **2007**, 35, 1262-8	4	68
304	Interactions between sulforaphane and apigenin in the induction of UGT1A1 and GSTA1 in CaCo-2 cells. *Carcinogenesis*, **2004**, 25, 1629-37	4.6	68
303	The feruloyl esterase system of Talaromyces stipitatus: production of three discrete feruloyl esterases, including a novel enzyme, TsFaeC, with a broad substrate specificity. *Journal of Biotechnology*, **2004**, 108, 227-41	3.7	68
302	Quercetin lowers plasma uric acid in pre-hyperuricaemic males: a randomised, double-blinded, placebo-controlled, cross-over trial. *British Journal of Nutrition*, **2016**, 115, 800-6	3.6	68
301	Hydrolysis of A- and B-type crystalline polymorphs of starch by □amylase, □amylase and glucoamylase 1. *Carbohydrate Polymers*, **1992**, 18, 179-187	10.3	67
300	Enzymic Release of Ferulic Acid from Barley Spent Grain. *Journal of Cereal Science*, **1997**, 25, 285-288	3.8	66
299	Quercetin metabolism in the lens: role in inhibition of hydrogen peroxide induced cataract. *Free Radical Biology and Medicine*, **2002**, 33, 63-70	7.8	66
298	High-level production of recombinant Aspergillus niger cinnamoyl esterase (FAEA) in the methylotrophic yeast Pichia pastoris. *FEMS Yeast Research*, **2001**, 1, 127-32	3.1	66
297	Characterization of flavonoids as monofunctional or bifunctional inducers of quinone reductase in murine hepatoma cell lines. *Food and Chemical Toxicology*, **1998**, 36, 623-30	4.7	65
296	Divergent effects of quercetin conjugates on angiogenesis. *British Journal of Nutrition*, **2006**, 95, 1016-23	3.6	65

295	Substrate (aglycone) specificity of human cytosolic beta-glucosidase. *Biochemical Journal*, **2003**, 373, 41-8	3.8	65
294	Hydrolysis of diethyl diferulates by a tannase from Aspergillus oryzae. *Carbohydrate Polymers*, **2001**, 44, 319-324	10.3	65
293	Specific characterization of substrate and inhibitor binding sites of a glycosyl hydrolase family 11 xylanase from Aspergillus niger. *Journal of Biological Chemistry*, **2002**, 277, 44035-43	5.4	65
292	Evidence for consistent patterns between flavonoid structures and cellular activities. *Proceedings of the Nutrition Society*, **2002**, 61, 97-103	2.9	65
291	Structural analysis of xylanase inhibitor protein I (XIP-I), a proteinaceous xylanase inhibitor from wheat (Triticum aestivum, var. Soisson). *Biochemical Journal*, **2003**, 372, 399-405	3.8	64
290	A critical assessment of some biomarker approaches linked with dietary intake. *British Journal of Nutrition*, **2001**, 86 Suppl 1, S5-35	3.6	64
289	Antioxidant properties of 4,4?-dihydroxy-3,3?-dimethoxy-[?]-bicinnamic acid (8-8-diferulic acid, non-cyclic form). *Journal of the Science of Food and Agriculture*, **1999**, 79, 379-384	4.3	64
288	Purification and characterization of a novel esterase induced by growth of Aspergillus niger on sugar-beet pulp. *Biotechnology and Applied Biochemistry*, **1996**, 23, 255-62	2.8	64
287	Urinary metabolite profiling identifies novel colonic metabolites and conjugates of phenolics in healthy volunteers. *Molecular Nutrition and Food Research*, **2014**, 58, 1414-25	5.9	63
286	Lycopene bioavailability and metabolism in humans: an accelerator mass spectrometry study. *American Journal of Clinical Nutrition*, **2011**, 93, 1263-73	7	63
285	Release of ferulic acid from maize bran and derived oligosaccharides by Aspergillus niger esterases. *Carbohydrate Polymers*, **1995**, 27, 187-190	10.3	63
284	Identification and quantification of polyphenol phytoestrogens in foods and human biological fluids. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2002**, 777, 93-109	3.2	62
283	A Wheat Xylanase Inhibitor Protein (XIP-I) Accumulates in the Grain and has Homologues in Other Cereals. *Journal of Cereal Science*, **2003**, 37, 187-194	3.8	62
282	Catechin glucosides: occurrence, synthesis, and stability. *Journal of Agricultural and Food Chemistry*, **2010**, 58, 2138-49	5.7	61
281	Function of conserved tryptophans in the Aspergillus niger glucoamylase 1 starch binding domain. *Biochemistry*, **1997**, 36, 7535-9	3.2	61
280	Quercetin inhibits hydrogen peroxide-induced oxidation of the rat lens. *Free Radical Biology and Medicine*, **1999**, 26, 639-45	7.8	61
279	Ferulic acid esterase from Aspergillus niger: purification and partial characterization of two forms from a commercial source of pectinase. *Biotechnology and Applied Biochemistry*, **1993**, 17, 349-59	2.8	61
278	The effects of chronic trans-resveratrol supplementation on aspects of cognitive function, mood, sleep, health and cerebral blood flow in healthy, young humans. *British Journal of Nutrition*, **2015**, 114, 1427-37	3.6	60

277	Antioxidant properties of gallocatechin and prodelphinidins from pomegranate peel. *Redox Report*, **2002**, 7, 41-6	5.9	60
276	Pomegranate juice, but not an extract, confers a lower glycemic response on a high-glycemic index food: randomized, crossover, controlled trials in healthy subjects. *American Journal of Clinical Nutrition*, **2017**, 106, 1384-1393	7	59
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