Emile Van Schaftingen

List of Publications by Year in Descending Order

211 papers	12,389 citations	63 h-index	102 g-index
217 ext. papers	13,544 ext. citations	5.9 avg, IF	6.1 L-index

#	Paper	IF	Citations
211	NAA80 bi-allelic missense variants result in high-frequency hearing loss, muscle weakness and developmental delay. *Brain Communications*, **2021**, 3, fcab256	4.5	2
210	C2orf69 mutations disrupt mitochondrial function and cause a multisystem human disorder with recurring autoinflammation. *Journal of Clinical Investigation*, **2021**, 131,	15.9	2
209	Impaired glucose-1,6-biphosphate production due to bi-allelic PGM2L1 mutations is associated with a neurodevelopmental disorder. *American Journal of Human Genetics*, **2021**, 108, 1151-1160	11	4
208	Energy Metabolism | Hexokinase/Glucokinase **2021**, 149-161		2
207	SLC37A4-CDG: Second patient. *JIMD Reports*, **2021**, 58, 122-128	1.9	3
206	ECHDC1 knockout mice accumulate ethyl-branched lipids and excrete abnormal intermediates of branched-chain fatty acid metabolism. *Journal of Biological Chemistry*, **2021**, 297, 101083	5.4	1
205	The metalloprotein YhcH is an anomerase providing N-acetylneuraminate aldolase with the open form of its substrate. *Journal of Biological Chemistry*, **2021**, 296, 100699	5.4	2
204	Molecular damage in aging. *Nature Aging*, **2021**, 1, 1096-1106		3
203	Treating neutropenia and neutrophil dysfunction in glycogen storage disease type Ib with an SGLT2 inhibitor. *Blood*, **2020**, 136, 1033-1043	2.2	39
202	The putative Escherichia coli dehydrogenase YjhC metabolises two dehydrated forms of N-acetylneuraminate produced by some sialidases. *Bioscience Reports*, **2020**, 40,	4.1	2
201	Inborn errors of metabolite repair. *Journal of Inherited Metabolic Disease*, **2020**, 43, 14-24	5.4	13
200	Convergent evolution of zoonotic species toward the selective use of the pentose phosphate pathway. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 26374-26381	11.5	4
199	Metabolite Repair Enzymes Control Metabolic Damage in Glycolysis. *Trends in Biochemical Sciences*, **2020**, 45, 228-243	10.3	29
198	Phosphoglycolate has profound metabolic effects but most likely no role in a metabolic DNA response in cancer cell lines. *Biochemical Journal*, **2019**, 476, 629-643	3.8	4
197	Failure to eliminate a phosphorylated glucose analog leads to neutropenia in patients with G6PT and G6PC3 deficiency. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 1241-1250	11.5	48
196	D-2-hydroxyglutaric aciduria Type I: Functional analysis of D2HGDH missense variants. *Human Mutation*, **2019**, 40, 975-982	4.7	5
195	The synthesis of branched-chain fatty acids is limited by enzymatic decarboxylation of ethyl- and methylmalonyl-CoA. *Biochemical Journal*, **2019**, 476, 2427-2447	3.8	10

194	Pyridoxamine-phosphate oxidases and pyridoxamine-phosphate oxidase-related proteins catalyze the oxidation of 6-NAD(P)H to NAD(P). *Biochemical Journal*, **2019**, 476, 3033-3052	3.8	4
193	SLC13A3 variants cause acute reversible leukoencephalopathy and -ketoglutarate accumulation. *Annals of Neurology*, **2019**, 85, 385-395	9.4	8
192	Congenital disorders of glycosylation (CDG): Quo vadis?. *European Journal of Medical Genetics*, **2018**, 61, 643-663	2.6	132
191	NAT6 acetylates the N-terminus of different forms of actin. *FEBS Journal*, **2018**, 285, 3299-3316	5.7	21
190	Nit1 is a metabolite repair enzyme that hydrolyzes deaminated glutathione. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E3233-E3242	11.5	24
189	A novel mutation in GMPPA in siblings with apparent intellectual disability, epilepsy, dysmorphism, and autonomic dysfunction. *American Journal of Medical Genetics, Part A*, **2017**, 173, 2246-2250	2.5	6
188	Limitations of galactose therapy in phosphoglucomutase 1 deficiency. *Molecular Genetics and Metabolism Reports*, **2017**, 13, 33-40	1.8	23
187	Erythritol Availability in Bovine, Murine and Human Models Highlights a Potential Role for the Host Aldose Reductase during Infection. *Frontiers in Microbiology*, **2017**, 8, 1088	5.7	11
186	A conserved phosphatase destroys toxic glycolytic side products in mammals and yeast. *Nature Chemical Biology*, **2016**, 12, 601-7	11.7	61
185	Accumulation of metabolic side products might favor the production of ethanol in Pho13 knockout strains. *Microbial Cell*, **2016**, 3, 495-499	3.9	1
184	ISPD produces CDP-ribitol used by FKTN and FKRP to transfer ribitol phosphate onto -dystroglycan. *Nature Communications*, **2016**, 7, 11534	17.4	80
183	Enzyme complexity in intermediary metabolism. *Journal of Inherited Metabolic Disease*, **2015**, 38, 721-7	5.4	14
182	A mouse model of L-2-hydroxyglutaric aciduria, a disorder of metabolite repair. *PLoS ONE*, **2015**, 10, e0119540	3.7	37
181	Vertebrate Acyl-CoA synthetase family member 4 (ACSF4-U26) is a -alanine-activating enzyme homologous to bacterial non-ribosomal peptide synthetase. *FEBS Journal*, **2014**, 281, 1585-97	5.7	10
180	Multiple phenotypes in phosphoglucomutase 1 deficiency. *New England Journal of Medicine*, **2014**, 370, 533-42	59.2	197
179	Erythritol feeds the pentose phosphate pathway via three new isomerases leading to D-erythrose-4-phosphate in Brucella. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 17815-20	11.5	35
178	Metabolite proofreading in carnosine and homocarnosine synthesis: molecular identification of PM20D2 as -alanyl-lysine dipeptidase. *Journal of Biological Chemistry*, **2014**, 289, 19726-36	5.4	24
177	Identification of TP53-induced glycolysis and apoptosis regulator (TIGAR) as the phosphoglycolate-independent 2,3-bisphosphoglycerate phosphatase. *Biochemical Journal*, **2014**, 458, 439-48	3.8	32

176	Occurrence and subcellular distribution of the NADPHX repair system in mammals. *Biochemical Journal*, **2014**, 460, 49-58	3.8	26
175	C7orf10 encodes succinate-hydroxymethylglutarate CoA-transferase, the enzyme that converts glutarate to glutaryl-CoA. *Journal of Inherited Metabolic Disease*, **2014**, 37, 13-9	5.4	31
174	Deficiency in SLC25A1, encoding the mitochondrial citrate carrier, causes combined D-2- and L-2-hydroxyglutaric aciduria. *American Journal of Human Genetics*, **2013**, 92, 627-31	11	92
173	Metabolite proofreading, a neglected aspect of intermediary metabolism. *Journal of Inherited Metabolic Disease*, **2013**, 36, 427-34	5.4	56
172	Mutations in the AGXT2L2 gene cause phosphohydroxylysinuria. *Journal of Inherited Metabolic Disease*, **2013**, 36, 961-6	5.4	3
171	Metabolite damage and its repair or pre-emption. *Nature Chemical Biology*, **2013**, 9, 72-80	11.7	207
170	Mutations in GMPPA cause a glycosylation disorder characterized by intellectual disability and autonomic dysfunction. *American Journal of Human Genetics*, **2013**, 93, 727-34	11	45
169	Newly characterized Golgi-localized family of proteins is involved in calcium and pH homeostasis in yeast and human cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 6859-64	11.5	105
168	Enzymatic repair of Amadori products. *Amino Acids*, **2012**, 42, 1143-50	3.5	59
167	Determinants of the enzymatic activity and the subcellular localization of aspartate N-acetyltransferase. *Biochemical Journal*, **2012**, 441, 105-12	3.8	21
166	Molecular identification of hydroxylysine kinase and of ammoniophospholyases acting on 5-phosphohydroxy-L-lysine and phosphoethanolamine. *Journal of Biological Chemistry*, **2012**, 287, 7246-55	5.4	40
165	TMEM165 deficiency causes a congenital disorder of glycosylation. *American Journal of Human Genetics*, **2012**, 91, 15-26	11	124
164	RNAi screening in glioma stem-like cells identifies PFKFB4 as a key molecule important for cancer cell survival. *Oncogene*, **2012**, 31, 3235-43	9.2	98
163	A serine synthesis defect presenting with a Charcot-Marie-Tooth-like polyneuropathy. *Archives of Neurology*, **2012**, 69, 908-11		19
162	Molecular identification of Ɛ-citrylglutamate hydrolase as glutamate carboxypeptidase 3. *Journal of Biological Chemistry*, **2011**, 286, 38220-38230	5.4	20
161	Ethylmalonyl-CoA decarboxylase, a new enzyme involved in metabolite proofreading. *Journal of Biological Chemistry*, **2011**, 286, 42992-3003	5.4	38
160	Extremely conserved ATP- or ADP-dependent enzymatic system for nicotinamide nucleotide repair. *Journal of Biological Chemistry*, **2011**, 286, 41246-41252	5.4	80
159	IDH2 mutations in patients with D-2-hydroxyglutaric aciduria. *Science*, **2010**, 330, 336	33.3	152

158	Molecular identification of carnosine synthase as ATP-grasp domain-containing protein 1 (ATPGD1). *Journal of Biological Chemistry*, **2010**, 285, 9346-9356	5.4	122
157	Molecular identification of NAT8 as the enzyme that acetylates cysteine S-conjugates to mercapturic acids. *Journal of Biological Chemistry*, **2010**, 285, 18888-98	5.4	43
156	Molecular identification of N-acetylaspartylglutamate synthase and beta-citrylglutamate synthase. *Journal of Biological Chemistry*, **2010**, 285, 29826-33	5.4	35
155	HDHD1, which is often deleted in X-linked ichthyosis, encodes a pseudouridine-5Sphosphatase. *Biochemical Journal*, **2010**, 431, 237-44	3.8	30
154	Binding of mannose-binding lectin to fructosamines: a potential link between hyperglycaemia and complement activation in diabetes. *Diabetes/Metabolism Research and Reviews*, **2010**, 26, 254-60	7.5	44
153	Molecular identification of omega-amidase, the enzyme that is functionally coupled with glutamine transaminases, as the putative tumor suppressor Nit2. *Biochimie*, **2009**, 91, 1066-71	4.6	40
152	Evolution of vertebrate glucokinase regulatory protein from a bacterial N-acetylmuramate 6-phosphate etherase. *Biochemical Journal*, **2009**, 423, 323-32	3.8	19
151	Molecular identification of aspartate N-acetyltransferase and its mutation in hypoacetylaspartia. *Biochemical Journal*, **2009**, 425, 127-36	3.8	116
150	Characterization of mammalian sedoheptulokinase and mechanism of formation of erythritol in sedoheptulokinase deficiency. *FEBS Letters*, **2008**, 582, 3330-4	3.8	19
149	Mammalian phosphomannomutase PMM1 is the brain IMP-sensitive glucose-1,6-bisphosphatase. *Journal of Biological Chemistry*, **2008**, 283, 33988-93	5.4	23
148	Molecular identification of pseudouridine-metabolizing enzymes. *Journal of Biological Chemistry*, **2008**, 283, 25238-25246	5.4	34
147	Vitamin C. Biosynthesis, recycling and degradation in mammals. *FEBS Journal*, **2007**, 274, 1-22	5.7	475
146	Many fructosamine 3-kinase homologues in bacteria are ribulosamine/erythrulosamine 3-kinases potentially involved in protein deglycation. *FEBS Journal*, **2007**, 274, 4360-74	5.7	23
145	Fructosamine 3-kinase and other enzymes involved in protein deglycation. *Advances in Enzyme Regulation*, **2007**, 47, 261-9		17
144	Identification of protein-ribulosamine-5-phosphatase as human low-molecular-mass protein tyrosine phosphatase-A. *Biochemical Journal*, **2007**, 406, 139-45	3.8	11
143	2-Keto-4-methylthiobutyrate, an intermediate in the methionine salvage pathway, is a good substrate for CtBP1. *Biochemical and Biophysical Research Communications*, **2007**, 352, 903-6	3.4	24
142	Identification of 3-deoxyglucosone dehydrogenase as aldehyde dehydrogenase 1A1 (retinaldehyde dehydrogenase 1). *Biochimie*, **2007**, 89, 369-73	4.6	38
141	Phosphoserine aminotransferase deficiency: a novel disorder of the serine biosynthesis pathway. *American Journal of Human Genetics*, **2007**, 80, 931-7	11	90

140	Molecular identification of mammalian phosphopentomutase and glucose-1,6-bisphosphate synthase, two members of the alpha-D-phosphohexomutase family. *Journal of Biological Chemistry*, **2007**, 282, 31844-51	5.4	35
139	Identification of the sequence encoding N-acetylneuraminate-9-phosphate phosphatase. *Glycobiology*, **2006**, 16, 165-72	5.8	34
138	Magnesium-dependent phosphatase-1 is a protein-fructosamine-6-phosphatase potentially involved in glycation repair. *Journal of Biological Chemistry*, **2006**, 281, 18378-85	5.4	39
137	Identification of the gene encoding hydroxyacid-oxoacid transhydrogenase, an enzyme that metabolizes 4-hydroxybutyrate. *FEBS Letters*, **2006**, 580, 2347-50	3.8	32
136	Increased protein glycation in fructosamine 3-kinase-deficient mice. *Biochemical Journal*, **2006**, 399, 257-68	5.8	59
135	Glucuronate, the precursor of vitamin C, is directly formed from UDP-glucuronate in liver. *FEBS Journal*, **2006**, 273, 1516-27	5.7	19
134	Mutations in the D-2-hydroxyglutarate dehydrogenase gene cause D-2-hydroxyglutaric aciduria. *American Journal of Human Genetics*, **2005**, 76, 358-60	11	130
133	Corrigendum to: Identification of enzymes acting on □glycated amino acids in Bacillus subtilis (Febs 28976) [FEBS Letters 577 (2004) 469□472]. *FEBS Letters*, **2005**, 579, 294-294	3.8	1
132	Identification of glucoselysine-6-phosphate deglycase, an enzyme involved in the metabolism of the fructation product glucoselysine. *Biochemical Journal*, **2005**, 392, 263-9	3.8	22
131	Mutations in phenotypically mild D-2-hydroxyglutaric aciduria. *Annals of Neurology*, **2005**, 58, 626-30	9.4	26
130	Plant ribulosamine/erythrulosamine 3-kinase, a putative protein-repair enzyme. *Biochemical Journal* , **2005**, 388, 795-802	3.8	32
129	Insights into the structure and regulation of glucokinase from a novel mutation (V62M), which causes maturity-onset diabetes of the young. *Journal of Biological Chemistry*, **2005**, 280, 14105-13	5.4	76
128	Tissue distribution and evolution of fructosamine 3-kinase and fructosamine 3-kinase-related protein. *Journal of Biological Chemistry*, **2004**, 279, 46606-13	5.4	44
127	Identification of fructosamine residues deglycated by fructosamine-3-kinase in human hemoglobin. *Journal of Biological Chemistry*, **2004**, 279, 27613-20	5.4	65
126	How calcium inhibits the magnesium-dependent enzyme human phosphoserine phosphatase. *FEBS Journal*, **2004**, 271, 3421-7		40
125	Mutations responsible for 3-phosphoserine phosphatase deficiency. *European Journal of Human Genetics*, **2004**, 12, 163-6	5.3	33
124	The prenatal diagnosis of congenital disorders of glycosylation (CDG). *Prenatal Diagnosis*, **2004**, 24, 114-6	3.2	21
123	A gene encoding a putative FAD-dependent L-2-hydroxyglutarate dehydrogenase is mutated in L-2-hydroxyglutaric aciduria. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 16849-54	11.5	136

122	Identification of enzymes acting on alpha-glycated amino acids in Bacillus subtilis. *FEBS Letters*, **2004**, 577, 469-72	3.8	31
121	A spectrophotometric assay of D-glucuronate based on Escherichia coli uronate isomerase and mannonate dehydrogenase. *Protein Expression and Purification*, **2004**, 37, 352-60	2	7
120	Fructoselysine 3-epimerase, an enzyme involved in the metabolism of the unusual Amadori compound psicoselysine in Escherichia coli. *Biochemical Journal*, **2004**, 378, 1047-52	3.8	20
119	Identification of a dehydrogenase acting on D-2-hydroxyglutarate. *Biochemical Journal*, **2004**, 381, 35-42	3.8	87
118	Fructosamine 3-kinase-related protein and deglycation in human erythrocytes. *Biochemical Journal*, **2004**, 382, 137-43	3.8	25
117	A mammalian protein homologous to fructosamine-3-kinase is a ketosamine-3-kinase acting on psicosamines and ribulosamines but not on fructosamines. *Diabetes*, **2003**, 52, 2888-95	0.9	42
116	High-resolution structure of human phosphoserine phosphatase in open conformation. *Acta Crystallographica Section D: Biological Crystallography*, **2003**, 59, 971-7		24
115	Rapid stimulation of free glucuronate formation by non-glucuronidable xenobiotics in isolated rat hepatocytes. *Journal of Biological Chemistry*, **2003**, 278, 36328-33	5.4	21
114	Purification, crystallization and preliminary X-ray diffraction analysis of human phosphoserine phosphatase. *Acta Crystallographica Section D: Biological Crystallography*, **2002**, 58, 133-4		5
113	Identification of fructose 6-phosphate- and fructose 1-phosphate-binding residues in the regulatory protein of glucokinase. *Journal of Biological Chemistry*, **2002**, 277, 8466-73	5.4	50
112	The glucose-6-phosphatase system. *Biochemical Journal*, **2002**, 362, 513-532	3.8	290
111	Identification of a pathway for the utilization of the Amadori product fructoselysine in Escherichia coli. *Journal of Biological Chemistry*, **2002**, 277, 42523-9	5.4	100
110	The glucose-6-phosphatase system. *Biochemical Journal*, **2002**, 362, 513-32	3.8	199
109	Fructosamine 3-kinase is involved in an intracellular deglycation pathway in human erythrocytes. *Biochemical Journal*, **2002**, 365, 801-8	3.8	93
108	Evidence for phosphotransferases phosphorylated on aspartate residue in N-terminal DXDX(T/V) motif. *Methods in Enzymology*, **2002**, 354, 177-88	1.7	8
107	Evidence for glucose-6-phosphate transport in rat liver microsomes. *FEBS Letters*, **2002**, 517, 257-60	3.8	36
106	Phosphomannomutase **2002**, 587-594		
105	A broad spectrum of clinical presentations in congenital disorders of glycosylation I: a series of 26 cases. *Journal of Medical Genetics*, **2001**, 38, 14-9	5.8	182

104	Analysis of the cooperativity of human beta-cell glucokinase through the stimulatory effect of glucose on fructose phosphorylation. *Journal of Biological Chemistry*, **2001**, 276, 3872-8	5.4	21
103	High residual activity of PMM2 in patientsSfibroblasts: possible pitfall in the diagnosis of CDG-Ia (phosphomannomutase deficiency). *American Journal of Human Genetics*, **2001**, 68, 347-54	11	82
102	Conversion of a synthetic fructosamine into its 3-phospho derivative in human erythrocytes. *Biochemical Journal*, **2000**, 352, 835	3.8	6
101	The gene encoding rat 3-phosphoglycerate dehydrogenase. *Mammalian Genome*, **2000**, 11, 1034-6	3.2	6
100	How many forms of glycogen storage disease type I?. *European Journal of Pediatrics*, **2000**, 159, 314-8	4.1	24
99	Glucose-6-phosphatase mutation G188R confers an atypical glycogen storage disease type 1b phenotype. *Pediatric Research*, **2000**, 48, 329-34	3.2	26
98	Overexpression and purification of fructose-1-phosphate kinase from Escherichia coli: application to the assay of fructose 1-phosphate. *Protein Expression and Purification*, **2000**, 19, 48-52	2	13
97	Identification, cloning, and heterologous expression of a mammalian fructosamine-3-kinase. *Diabetes*, **2000**, 49, 1627-34	0.9	117
96	Conversion of a synthetic fructosamine into its 3-phospho derivative in human erythrocytes. *Biochemical Journal*, **2000**, 352, 835-839	3.8	11
95	Mechanistic studies of phosphoserine phosphatase, an enzyme related to P-type ATPases. *Journal of Biological Chemistry*, **1999**, 274, 33985-90	5.4	92
94	Signal Recognition: Glucose and Primary Stimuli. *Advances in Molecular and Cell Biology*, **1999**, 29, 199-226		1
93	The putative glucose 6-phosphate translocase gene is mutated in essentially all cases of glycogen storage disease type I non-a. *European Journal of Human Genetics*, **1999**, 7, 717-23	5.3	91
92	Carbohydrate-deficient glycoprotein syndrome type IA (phosphomannomutase-deficiency). *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **1999**, 1455, 155-65	6.9	39
91	Structure of the gene mutated in glycogen storage disease type Ib. *Gene*, **1999**, 227, 189-95	3.8	39
90	Effect of mutations found in carbohydrate-deficient glycoprotein syndrome type IA on the activity of phosphomannomutase 2. *FEBS Letters*, **1999**, 452, 319-22	3.8	52
89	Glucokinase regulatory protein is essential for the proper subcellular localisation of liver glucokinase. *FEBS Letters*, **1999**, 456, 332-8	3.8	70
88	Identification of the cDNA encoding human 6-phosphogluconolactonase, the enzyme catalyzing the second step of the pentose phosphate pathway(1). *FEBS Letters*, **1999**, 459, 223-6	3.8	49
87	Kinetic properties and tissular distribution of mammalian phosphomannomutase isozymes. *Biochemical Journal*, **1999**, 339, 201-207	3.8	52

86	Kinetic properties and tissular distribution of mammalian phosphomannomutase isozymes. *Biochemical Journal*, **1999**, 339, 201	3.8	18
85	Role of cysteine in the dietary control of the expression of 3-phosphoglycerate dehydrogenase in rat liver. *Biochemical Journal*, **1999**, 344, 15	3.8	7
84	acs1 of Haemophilus influenzae type a capsulation locus region II encodes a bifunctional ribulose 5-phosphate reductase- CDP-ribitol pyrophosphorylase. *Journal of Bacteriology*, **1999**, 181, 2001-7	3.5	35
83	Prenatal diagnosis in CDG1 families: beware of heterogeneity. *European Journal of Human Genetics*, **1998**, 6, 99-104	5.3	33
82	A new family of phosphotransferases related to P-type ATPases. *Trends in Biochemical Sciences*, **1998**, 23, 284	10.3	13
81	Beneficial effects of L-serine and glycine in the management of seizures in 3-phosphoglycerate dehydrogenase deficiency. *Annals of Neurology*, **1998**, 44, 261-5	9.4	70
80	Lack of homozygotes for the most frequent disease allele in carbohydrate-deficient glycoprotein syndrome type 1A. *American Journal of Human Genetics*, **1998**, 62, 542-50	11	124
79	Phosphomannose isomerase deficiency: a carbohydrate-deficient glycoprotein syndrome with hepatic-intestinal presentation. *American Journal of Human Genetics*, **1998**, 62, 1535-9	11	145
78	A gene on chromosome 11q23 coding for a putative glucose- 6-phosphate translocase is mutated in glycogen-storage disease types Ib and Ic. *American Journal of Human Genetics*, **1998**, 63, 976-83	11	103
77	A new class of phosphotransferases phosphorylated on an aspartate residue in an amino-terminal DXDX(T/V) motif. *Journal of Biological Chemistry*, **1998**, 273, 14107-12	5.4	214
76	The regulatory protein of glucokinase. *Biochemical Society Transactions*, **1997**, 25, 136-40	5.1	69
75	Investigation on the mechanism by which fructose, hexitols and other compounds regulate the translocation of glucokinase in rat hepatocytes. *Biochemical Journal*, **1997**, 321 (Pt 1), 239-46	3.8	54
74	Cloning, sequencing and expression of rat liver 3-phosphoglycerate dehydrogenase. *Biochemical Journal*, **1997**, 323 (Pt 2), 365-70	3.8	88
73	PMM (PMM1), the human homologue of SEC53 or yeast phosphomannomutase, is localized on chromosome 22q13. *Genomics*, **1997**, 40, 41-7	4.3	63
72	Human L-3-phosphoserine phosphatase: sequence, expression and evidence for a phosphoenzyme intermediate. *FEBS Letters*, **1997**, 408, 281-4	3.8	51
71	Comparison of PMM1 with the phosphomannomutases expressed in rat liver and in human cells. *FEBS Letters*, **1997**, 411, 251-4	3.8	33
70	Sequence of a putative glucose 6-phosphate translocase, mutated in glycogen storage disease type Ib. *FEBS Letters*, **1997**, 419, 235-8	3.8	165
69	Mutations in PMM2, a phosphomannomutase gene on chromosome 16p13, in carbohydrate-deficient glycoprotein type I syndrome (Jaeken syndrome). *Nature Genetics*, **1997**, 16, 88-92	36.3	284

68	The glucose sensor protein glucokinase is expressed in glucagon-producing alpha-cells. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 7036-41	11.5	120
67	Cloning and sequencing of rat liver carboxylesterase ES-4 (microsomal palmitoyl-CoA hydrolase). *Biochemical Journal*, **1996**, 313 (Pt 3), 821-6	3.8	25
66	Enzymatic assays of fructose-1-phosphate and fructose-1,6-bisphosphate in the picomole range. *Analytical Biochemistry*, **1996**, 235, 243-44	3.1	9
65	3-Phosphoglycerate dehydrogenase deficiency: an inborn error of serine biosynthesis. *Archives of Disease in Childhood*, **1996**, 74, 542-5	2.2	158
64	Amino acid conservation in animal glucokinases. Identification of residues implicated in the interaction with the regulatory protein. *Journal of Biological Chemistry*, **1996**, 271, 6292-7	5.4	47
63	Inhibition of phosphomannose isomerase by fructose 1-phosphate: an explanation for defective N-glycosylation in hereditary fructose intolerance. *Pediatric Research*, **1996**, 40, 764-6	3.2	59
62	Phosphomannomutase deficiency is a cause of carbohydrate-deficient glycoprotein syndrome type I. *FEBS Letters*, **1995**, 377, 318-20	3.8	264
61	Involvement of phosphorylase kinase inhibition in the effect of resorcinol and proglycosyn on glycogen metabolism in the liver. *FEBS Journal*, **1995**, 234, 301-7		11
60	Short-term control of glucokinase activity: role of a regulatory protein. *FASEB Journal*, **1994**, 8, 414-9	0.9	201
59	Cloning and expression of a Xenopus liver cDNA encoding a fructose-phosphate-insensitive regulatory protein of glucokinase. *FEBS Journal*, **1994**, 225, 43-51		23
58	Heterologous expression of an active rat regulatory protein of glucokinase. *FEBS Letters*, **1994**, 355, 27-9	3.8	5
57	Pathway and regulation of erythritol formation in Leuconostoc oenos. *Journal of Bacteriology*, **1993** , 175, 3941-8	3.5	84
56	Conversion of fructose to glucose in the rabbit small intestine. A reappraisal of the direct pathway. *FEBS Journal*, **1993**, 213, 721-6		23
55	Effect of proglycosyn and other phenolic compounds on glycogen metabolism in isolated hepatocytes. Potential role of glucuronidated metabolites. *FEBS Journal*, **1993**, 218, 745-51		7
54	Identification, purification and separation of different isozymes of NADP-specific malic enzyme from Tritrichomonas foetus. *Molecular and Biochemical Parasitology*, **1993**, 57, 253-60	1.9	19
53	Cloning and sequencing of rat liver cDNAs encoding the regulatory protein of glucokinase. *FEBS Letters*, **1993**, 321, 111-5	3.8	22
52	The regulatory protein of liver glucokinase. *Advances in Enzyme Regulation*, **1992**, 32, 133-48		74
51	Pyruvate kinase from Trichomonas vaginalis, an allosteric enzyme stimulated by ribose 5-phosphate and glycerate 3-phosphate. *Molecular and Biochemical Parasitology*, **1992**, 54, 13-20	1.9	30

50	Mechanism of the stimulatory effect of a potassium-rich medium on the phosphorylation of glucose in isolated rat hepatocytes. *FEBS Journal*, **1992**, 204, 363-9		4
49	Competitive inhibition of liver glucokinase by its regulatory protein. *FEBS Journal*, **1991**, 200, 545-51		71
48	Effectors of the regulatory protein acting on liver glucokinase: a kinetic investigation. *FEBS Journal*, **1991**, 200, 553-61		58
47	Fructose administration stimulates glucose phosphorylation in the livers of anesthetized rats. *FASEB Journal*, **1991**, 5, 326-30	0.9	33
46	The fuel concept for insulin release: regulation of glucose phosphorylation in pancreatic islets. *Biochemical Society Transactions*, **1990**, 18, 107-8	5.1	13
45	Regulation of glucokinase by a fructose-1-phosphate-sensitive protein in pancreatic islets. *FEBS Journal*, **1990**, 190, 539-45		62
44	The mechanism by which rat liver glucokinase is inhibited by the regulatory protein. *FEBS Journal*, **1990**, 191, 483-9		91
43	Fructose 1-phosphate and the regulation of glucokinase activity in isolated hepatocytes. *FEBS Journal*, **1990**, 192, 283-9		54
42	Fructose 2,6-bisphosphate hydrolyzing enzymes in higher plants. *Plant Physiology*, **1989**, 90, 827-34	6.6	17
41	Presence of a fructose-2,6-bisphosphate-insensitive pyrophosphate: fructose-6-phosphate phosphotransferase in the anaerobic protozoa Tritrichomonas foetus, Trichomonas vaginalis and Isotricha prostoma. *Molecular and Biochemical Parasitology*, **1989**, 37, 183-90	1.9	46
40	Stimulation of glucose phosphorylation by fructose in isolated rat hepatocytes. *FEBS Journal*, **1989**, 179, 173-7		67
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38	Coenzyme specificity of mammalian liver D-glycerate dehydrogenase. *FEBS Journal*, **1989**, 186, 355-9		18
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1	The 2,3-bisphosphoglycerate-independent phosphoglycerate mutase from Trypanosoma brucei: metal-ion dependency and phosphoenzyme formation		1