

Emile Van Schaftingen

List of Publications by Year in descending order

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216
papers

14,972
citations

12303

69
h-index

23472

111
g-index

217
all docs

217
docs citations

217
times ranked

12665
citing authors

#	ARTICLE	IF	CITATIONS
1	A Kinetic Study of Pyrophosphate: Fructose-6-Phosphate Phosphotransferase from Potato Tubers. Application to a Microassay of Fructose 2,6-Bisphosphate. FEBS Journal, 1982, 129, 191-195.	0.2	619
2	Vitaminâ€fC. FEBS Journal, 2007, 274, 1-22.	2.2	604
3	Mutations in PMM2, a phosphomannomutase gene on chromosome 16p13 in carbohydrate-deficient glycoprotein type I syndrome (Jaeken syndrome). Nature Genetics, 1997, 16, 88-92.	9.4	333
4	The glucose-6-phosphatase system. Biochemical Journal, 2002, 362, 513-532.	1.7	333
5	Phosphomannomutase deficiency is a cause of carbohydrate-deficient glycoprotein syndrome type I. FEBS Letters, 1995, 377, 318-320.	1.3	315
6	The glucose-6-phosphatase system. Biochemical Journal, 2002, 362, 513.	1.7	258
7	Inhibition of fructose-1,6-bisphosphatase by fructose 2,6-biphosphate.. Proceedings of the National Academy of Sciences of the United States of America, 1981, 78, 2861-2863.	3.3	253
8	Metabolite damage and its repair or pre-emption. Nature Chemical Biology, 2013, 9, 72-80.	3.9	248
9	A New Class of Phosphotransferases Phosphorylated on an Aspartate Residue in an Amino-terminal DXDX(T/V) Motif. Journal of Biological Chemistry, 1998, 273, 14107-14112.	1.6	241
10	Multiple Phenotypes in Phosphoglucomutase 1 Deficiency. New England Journal of Medicine, 2014, 370, 533-542.	13.9	236
11	Shortâ€term control of glucokinase activity: role of a regulatory protein. FASEB Journal, 1994, 8, 414-419.	0.2	229
12	Control of liver 6-phosphofructokinase by fructose 2,6-bisphosphate and other effectors.. Proceedings of the National Academy of Sciences of the United States of America, 1981, 78, 3483-3486.	3.3	213
13	A broad spectrum of clinical presentations in congenital disorders of glycosylation I: a series of 26 cases. Journal of Medical Genetics, 2001, 38, 14-19.	1.5	204
14	Control of the fructose 6-phosphate/fructose 1,6-bisphosphate cycle in isolated hepatocytes by glucose and glucagon. Role of a low-molecular-weight stimulator of phosphofructokinase. Biochemical Journal, 1980, 192, 887-895.	1.7	202
15	Sequence of a putative glucose 6-phosphate translocase, mutated in glycogen storage disease type Ib1. FEBS Letters, 1997, 419, 235-238.	1.3	200
16	Congenital disorders of glycosylation (CDG): Quo vadis?. European Journal of Medical Genetics, 2018, 61, 643-663.	0.7	191
17	3-Phosphoglycerate dehydrogenase deficiency: an inborn error of serine biosynthesis.. Archives of Disease in Childhood, 1996, 74, 542-545.	1.0	179
18	<i>IDH2</i> Mutations in Patients with <sc>d</sc>-2-Hydroxyglutaric Aciduria. Science, 2010, 330, 336-336.	6.0	177

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19	A protein from rat liver confers to glucokinase the property of being antagonistically regulated by fructose 6-phosphate and fructose 1-phosphate. <i>FEBS Journal</i> , 1989, 179, 179-184.	0.2	171
20	Phosphomannose Isomerase Deficiency: A Carbohydrate-Deficient Glycoprotein Syndrome with Hepatic-Intestinal Presentation. <i>American Journal of Human Genetics</i> , 1998, 62, 1535-1539.	2.6	167
21	A gene encoding a putative FAD-dependent L-2-hydroxyglutarate dehydrogenase is mutated in L-2-hydroxyglutaric aciduria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 16849-16854.	3.3	166
22	Molecular Identification of Carnosine Synthase as ATP-grasp Domain-containing Protein 1 (ATPGD1). <i>Journal of Biological Chemistry</i> , 2010, 285, 9346-9356.	1.6	165
23	TMEM165 Deficiency Causes a Congenital Disorder of Glycosylation. <i>American Journal of Human Genetics</i> , 2012, 91, 15-26.	2.6	162
24	Mutations in the d-2-Hydroxyglutarate Dehydrogenase Gene Cause d-2-Hydroxyglutaric Aciduria. <i>American Journal of Human Genetics</i> , 2005, 76, 358-360.	2.6	156
25	Fructose 2,6-Bisphosphate. <i>Advances in Enzymology and Related Areas of Molecular Biology</i> , 2006, 59, 315-395.	1.3	147
26	The mechanism by which glucose increases fructose 2,6-bisphosphate concentration in <i>Saccharomyces cerevisiae</i> . A cyclic-AMP-dependent activation of phosphofructokinase 2. <i>FEBS Journal</i> , 1984, 145, 187-193.	0.2	144
27	Molecular identification of aspartate N-acetyltransferase and its mutation in hypoacetylaspartia. <i>Biochemical Journal</i> , 2010, 425, 127-139.	1.7	144
28	Lack of Homozygotes for the Most Frequent Disease Allele in Carbohydrate-Deficient Glycoprotein Syndrome Type 1A. <i>American Journal of Human Genetics</i> , 1998, 62, 542-550.	2.6	142
29	Fructose-2,6-bisphosphatase from Rat Liver. <i>FEBS Journal</i> , 1982, 124, 143-149.	0.2	140
30	Identification, cloning, and heterologous expression of a mammalian fructosamine-3-kinase. <i>Diabetes</i> , 2000, 49, 1627-1634.	0.3	135
31	The glucose sensor protein glucokinase is expressed in glucagon-producing alpha-cells.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 7036-7041.	3.3	132
32	Newly characterized Golgi-localized family of proteins is involved in calcium and pH homeostasis in yeast and human cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 6859-6864.	3.3	129
33	RNAi screening in glioma stem-like cells identifies PFKFB4 as a key molecule important for cancer cell survival. <i>Oncogene</i> , 2012, 31, 3235-3243.	2.6	123
34	Deficiency in SLC25A1, Encoding the Mitochondrial Citrate Carrier, Causes Combined D-2- and L-2-Hydroxyglutaric Aciduria. <i>American Journal of Human Genetics</i> , 2013, 92, 627-631.	2.6	122
35	Identification of a Pathway for the Utilization of the Amadori Product Fructoselysine in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 42523-42529.	1.6	121
36	A Gene on Chromosome 11q23 Coding for a Putative Glucose- 6-Phosphate Translocase Is Mutated in Glycogen-Storage Disease Types Ib and Ic. <i>American Journal of Human Genetics</i> , 1998, 63, 976-983.	2.6	116

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37	ISPD produces CDP-ribitol used by FKTN and FKRK to transfer ribitol phosphate onto Î±-dystroglycan. <i>Nature Communications</i> , 2016, 7, 11534.	5.8	113
38	Phosphofructokinase 2 the enzyme that forms fructose 2,6-bisphosphate from fructose 6-phosphate and ATP. <i>Biochemical and Biophysical Research Communications</i> , 1981, 101, 1078-1084.	1.0	112
39	Mechanistic Studies of Phosphoserine Phosphatase, an Enzyme Related to P-type ATPases. <i>Journal of Biological Chemistry</i> , 1999, 274, 33985-33990.	1.6	111
40	Identification of a dehydrogenase acting on D-2-hydroxyglutarate. <i>Biochemical Journal</i> , 2004, 381, 35-42.	1.7	105
41	Phosphoserine Aminotransferase Deficiency: A Novel Disorder of the Serine Biosynthesis Pathway. <i>American Journal of Human Genetics</i> , 2007, 80, 931-937.	2.6	105
42	Inactivation of phosphofructokinase 2 by cyclic AMP-dependent protein kinase. <i>Biochemical and Biophysical Research Communications</i> , 1981, 103, 362-368.	1.0	104
43	The mechanism by which rat liver glucokinase is inhibited by the regulatory protein. <i>FEBS Journal</i> , 1990, 191, 483-489.	0.2	104
44	Fructosamine 3-kinase is involved in an intracellular deglycation pathway in human erythrocytes. <i>Biochemical Journal</i> , 2002, 365, 801-808.	1.7	104
45	Extremely Conserved ATP- or ADP-dependent Enzymatic System for Nicotinamide Nucleotide Repair. <i>Journal of Biological Chemistry</i> , 2011, 286, 41246-41252.	1.6	100
46	Failure to eliminate a phosphorylated glucose analog leads to neutropenia in patients with G6PT and G6PC3 deficiency. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 1241-1250.	3.3	98
47	Pathway and regulation of erythritol formation in <i>Leuconostoc oenos</i> . <i>Journal of Bacteriology</i> , 1993, 175, 3941-3948.	1.0	97
48	The putative glucose 6-phosphate translocase gene is mutated in essentially all cases of glycogen storage disease type I non-a. <i>European Journal of Human Genetics</i> , 1999, 7, 717-723.	1.4	97
49	High Residual Activity of PMM2 in Patients's Fibroblasts: Possible Pitfall in the Diagnosis of CDG-Ia (Phosphomannomutase Deficiency). <i>American Journal of Human Genetics</i> , 2001, 68, 347-354.	2.6	93
50	Synthesis of a stimulator of phosphofructokinase, most likely fructose 2,6-bisphosphate, from phosphoric acid and fructose 6-phosphoric acid. <i>Biochemical and Biophysical Research Communications</i> , 1980, 96, 1524-1531.	1.0	92
51	Cloning, sequencing and expression of rat liver 3-phosphoglycerate dehydrogenase. <i>Biochemical Journal</i> , 1997, 323, 365-370.	1.7	92
52	Formation of Fructose 2,6-Bisphosphate from Fructose 1,6-Bisphosphate by Intramolecular Cyclisation followed by Alkaline Hydrolysis. <i>FEBS Journal</i> , 1981, 117, 319-323.	0.2	90
53	Treating neutropenia and neutrophil dysfunction in glycogen storage disease type Ib with an SGLT2 inhibitor. <i>Blood</i> , 2020, 136, 1033-1043.	0.6	90
54	Glucokinase regulatory protein is essential for the proper subcellular localisation of liver glucokinase. <i>FEBS Letters</i> , 1999, 456, 332-338.	1.3	89

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55	A conserved phosphatase destroys toxic glycolytic side products in mammals and yeast. <i>Nature Chemical Biology</i> , 2016, 12, 601-607.	3.9	88
56	Stimulation of <i>Trypanosoma brucei</i> pyruvate kinase by fructose 2,6-bisphosphate. <i>FEBS Journal</i> , 1985, 153, 403-406.	0.2	87
57	Insights into the Structure and Regulation of Glucokinase from a Novel Mutation (V62M), Which Causes Maturity-onset Diabetes of the Young. <i>Journal of Biological Chemistry</i> , 2005, 280, 14105-14113.	1.6	87
58	Beneficial effects of L-serine and glycine in the management of seizures in 3-phosphoglycerate dehydrogenase deficiency. <i>Annals of Neurology</i> , 1998, 44, 261-265.	2.8	84
59	Competitive inhibition of liver glucokinase by its regulatory protein. <i>FEBS Journal</i> , 1991, 200, 545-551.	0.2	83
60	The regulatory protein of liver glucokinase. <i>Advances in Enzyme Regulation</i> , 1992, 32, 133-148.	2.9	83
61	The regulatory protein of glucokinase. <i>Biochemical Society Transactions</i> , 1997, 25, 136-140.	1.6	79
62	Stimulation of glucose phosphorylation by fructose in isolated rat hepatocytes. <i>FEBS Journal</i> , 1989, 179, 173-177.	0.2	78
63	Fructose 2,6-bisphosphate. <i>Trends in Biochemical Sciences</i> , 1982, 7, 329-331.	3.7	77
64	Fructose 2,6-bisphosphate in yeast. <i>Biochemical and Biophysical Research Communications</i> , 1981, 103, 1281-1287.	1.0	75
65	Fructose 2,6-bisphosphate in relation with the resumption of metabolic activity in slices of Jerusalem artichoke tubers. <i>FEBS Letters</i> , 1983, 164, 195-200.	1.3	75
66	Enzymatic repair of Amadori products. <i>Amino Acids</i> , 2012, 42, 1143-1150.	1.2	74
67	Regulation of glucokinase by a fructose-1-phosphate-sensitive protein in pancreatic islets. <i>FEBS Journal</i> , 1990, 190, 539-545.	0.2	72
68	Identification of Fructosamine Residues Deglycated by Fructosamine-3-kinase in Human Hemoglobin. <i>Journal of Biological Chemistry</i> , 2004, 279, 27613-27620.	1.6	71
69	Inhibition of Phosphomannose Isomerase by Fructose 1-Phosphate: An Explanation for Defective N-Glycosylation in Hereditary Fructose Intolerance. <i>Pediatric Research</i> , 1996, 40, 764-766.	1.1	71
70	The stimulation of yeast phosphofructokinase by fructose 2,6-bisphosphate. <i>FEBS Letters</i> , 1982, 143, 137-140.	1.3	70
71	Increased protein glycation in fructosamine 3-kinase-deficient mice. <i>Biochemical Journal</i> , 2006, 399, 257-264.	1.7	70
72	Metabolite proofreading, a neglected aspect of intermediary metabolism. <i>Journal of Inherited Metabolic Disease</i> , 2013, 36, 427-434.	1.7	69

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73	PMM (PMM1), the Human Homologue of SEC53 or Yeast Phosphomannomutase, Is Localized on Chromosome 22q13. <i>Genomics</i> , 1997, 40, 41-47.	1.3	68
74	Effectors of the regulatory protein acting on liver glucokinase: a kinetic investigation. <i>FEBS Journal</i> , 1991, 200, 553-561.	0.2	66
75	Human 3-phosphoserine phosphatase: sequence, expression and evidence for a phosphoenzyme intermediate. <i>FEBS Letters</i> , 1997, 408, 281-284.	1.3	64
76	Effect of mutations found in carbohydrate-deficient glycoprotein syndrome type IA on the activity of phosphomannomutase 2. <i>FEBS Letters</i> , 1999, 452, 319-322.	1.3	64
77	Binding of mannose-binding lectin to fructosamines: a potential link between hyperglycaemia and complement activation in diabetes. <i>Diabetes/Metabolism Research and Reviews</i> , 2010, 26, 254-260.	1.7	62
78	Purification and properties of phosphofructokinase 2/fructose 2,6-bisphosphatase from chicken liver and from pigeon muscle. <i>FEBS Journal</i> , 1986, 159, 359-365.	0.2	59
79	Fructose 1-phosphate and the regulation of glucokinase activity in isolated hepatocytes. <i>FEBS Journal</i> , 1990, 192, 283-289.	0.2	59
80	Investigation on the mechanism by which fructose, hexitols and other compounds regulate the translocation of glucokinase in rat hepatocytes. <i>Biochemical Journal</i> , 1997, 321, 239-246.	1.7	58
81	Identification of Fructose 6-Phosphate- and Fructose 1-Phosphate-binding Residues in the Regulatory Protein of Glucokinase. <i>Journal of Biological Chemistry</i> , 2002, 277, 8466-8473.	1.6	58
82	Effects of various metabolic conditions and of the trivalent arsenical melarsen oxide on the intracellular levels of fructose 2,6-bisphosphate and of glycolytic intermediates in <i>Trypanosoma brucei</i> . <i>FEBS Journal</i> , 1987, 166, 653-661.	0.2	57
83	Characterization of phosphofructokinase 2 and of enzymes involved in the degradation of fructose 2,6-bisphosphate in yeast. <i>FEBS Journal</i> , 1988, 171, 599-608.	0.2	57
84	Amino Acid Conservation in Animal Glucokinases. <i>Journal of Biological Chemistry</i> , 1996, 271, 6292-6297.	1.6	57
85	Kinetic properties and tissular distribution of mammalian phosphomannomutase isozymes. <i>Biochemical Journal</i> , 1999, 339, 201-207.	1.7	57
86	Mutations in GMPPA Cause a Glycosylation Disorder Characterized by Intellectual Disability and Autonomic Dysfunction. <i>American Journal of Human Genetics</i> , 2013, 93, 727-734.	2.6	57
87	Molecular Identification of NAT8 as the Enzyme That Acetylates Cysteine S-Conjugates to Mercapturic Acids. <i>Journal of Biological Chemistry</i> , 2010, 285, 18888-18898.	1.6	56
88	Identification of the cDNA encoding human 6-phosphogluconolactonase, the enzyme catalyzing the second step of the pentose phosphate pathway. <i>FEBS Letters</i> , 1999, 459, 223-226.	1.3	53
89	Tissue Distribution and Evolution of Fructosamine 3-Kinase and Fructosamine 3-Kinase-related Protein. <i>Journal of Biological Chemistry</i> , 2004, 279, 46606-46613.	1.6	53
90	Erythritol feeds the pentose phosphate pathway via three new isomerases leading to D-erythrose-4-phosphate in <i>Brucella</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 17815-17820.	3.3	53

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91	Metabolite Repair Enzymes Control Metabolic Damage in Glycolysis. <i>Trends in Biochemical Sciences</i> , 2020, 45, 228-243.	3.7	53
92	Presence of a fructose-2,6-bisphosphate-insensitive pyrophosphate: fructose-6-phosphate phosphotransferase in the anaerobic protozoa <i>Trichomonas foetus</i> , <i>Trichomonas vaginalis</i> and <i>Isotricha prostoma</i> . <i>Molecular and Biochemical Parasitology</i> , 1989, 37, 183-190.	0.5	51
93	Molecular damage in aging. <i>Nature Aging</i> , 2021, 1, 1096-1106.	5.3	51
94	Purification and properties of spinach leaf phosphofructokinase 2/fructose 2,6-bisphosphatase. <i>FEBS Journal</i> , 1986, 161, 351-357.	0.2	50
95	Molecular Identification of Pseudouridine-metabolizing Enzymes. <i>Journal of Biological Chemistry</i> , 2008, 283, 25238-25246.	1.6	50
96	A Mammalian Protein Homologous to Fructosamine-3-Kinase Is a Ketosamine-3-Kinase Acting on Psicosamines and Ribulosamines but not on Fructosamines. <i>Diabetes</i> , 2003, 52, 2888-2895.	0.3	49
97	Carbohydrate-deficient glycoprotein syndrome type IA (phosphomannomutase-deficiency). <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1999, 1455, 155-165.	1.8	48
98	A Mouse Model of L-2-Hydroxyglutaric Aciduria, a Disorder of Metabolite Repair. <i>PLoS ONE</i> , 2015, 10, e0119540.	1.1	47
99	How calcium inhibits the magnesium-dependent enzyme human phosphoserine phosphatase. <i>FEBS Journal</i> , 2004, 271, 3421-3427.	0.2	46
100	Molecular identification of Î³-aminidase, the enzyme that is functionally coupled with glutamine transaminases, as the putative tumor suppressor Nit2. <i>Biochimie</i> , 2009, 91, 1066-1071.	1.3	46
101	Ethylmalonyl-CoA Decarboxylase, a New Enzyme Involved in Metabolite Proofreading. <i>Journal of Biological Chemistry</i> , 2011, 286, 42992-43003.	1.6	46
102	Molecular Identification of Hydroxylysine Kinase and of Ammoniophospholyases Acting on 5-Phosphohydroxy-L-lysine and Phosphoethanolamine. <i>Journal of Biological Chemistry</i> , 2012, 287, 7246-7255.	1.6	46
103	Molecular Identification of N-Acetylaspartylglutamate Synthase and Î²-Citrylglutamate Synthase. <i>Journal of Biological Chemistry</i> , 2010, 285, 29826-29833.	1.6	45
104	Demonstration of glycosomes (microbodies) in the bodonid flagellate <i>Trypanoplasma borelli</i> (protozoa, kinetoplastida). <i>Molecular and Biochemical Parasitology</i> , 1988, 30, 155-163.	0.5	44
105	Identification of the gene encoding hydroxyacid-oxoacid transhydrogenase, an enzyme that metabolizes 4-hydroxybutyrate. <i>FEBS Letters</i> , 2006, 580, 2347-2350.	1.3	43
106	Molecular Identification of Mammalian Phosphopentomutase and Glucose-1,6-bisphosphate Synthase, Two Members of the Î±-D-Phosphohexomutase Family. <i>Journal of Biological Chemistry</i> , 2007, 282, 31844-31851.	1.6	43
107	Occurrence and subcellular distribution of the NAD(P)HX repair system in mammals. <i>Biochemical Journal</i> , 2014, 460, 49-60.	1.7	43
108	C7orf10 encodes succinateâ€hydroxymethylglutarate CoAâ€transferase, the enzyme that converts glutarate to glutarylâ€CoA. <i>Journal of Inherited Metabolic Disease</i> , 2014, 37, 13-19.	1.7	43

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109	Structure of the gene mutated in glycogen storage disease type Ib. <i>Gene</i> , 1999, 227, 189-195.	1.0	42
110	Magnesium-dependent Phosphatase-1 Is a Protein-Fructosamine-6-phosphatase Potentially Involved in Glycation Repair. <i>Journal of Biological Chemistry</i> , 2006, 281, 18378-18385.	1.6	42
111	Identification of 3-deoxyglucosone dehydrogenase as aldehyde dehydrogenase 1A1 (retinaldehyde) Tj ETQq1 1 0.784314 rgBT /Overlo	1.3	41
112	Identification of TP53-induced glycolysis and apoptosis regulator (TIGAR) as the phosphoglycolate-independent 2,3-bisphosphoglycerate phosphatase. <i>Biochemical Journal</i> , 2014, 458, 439-448.	1.7	41
113	Identification of enzymes acting on $\hat{\pm}$ -glycated amino acids in <i>Bacillus subtilis</i> . <i>FEBS Letters</i> , 2004, 577, 469-472.	1.3	40
114	Identification of the sequence encoding N-acetylneuraminate-9-phosphate phosphatase. <i>Glycobiology</i> , 2006, 16, 165-172.	1.3	39
115	2-Keto-4-methylthiobutyrate, an intermediate in the methionine salvage pathway, is a good substrate for CtBP1. <i>Biochemical and Biophysical Research Communications</i> , 2007, 352, 903-906.	1.0	39
116	Glycerol formation after the breaking of dormancy of <i>Phycomyces blakesleeanus</i> spores. Role of an interconvertible glycerol-3-phosphatase. <i>FEBS Journal</i> , 1985, 148, 399-404.	0.2	38
117	Mutations responsible for 3-phosphoserine phosphatase deficiency. <i>European Journal of Human Genetics</i> , 2004, 12, 163-166.	1.4	38
118	A Serine Synthesis Defect Presenting With a Charcot-Marie-Toothâ€œLike Polyneuropathy. <i>Archives of Neurology</i> , 2012, 69, 908-11.	4.9	38
119	Comparison of PMM1 with the phosphomannomutases expressed in rat liver and in human cells. <i>FEBS Letters</i> , 1997, 411, 251-254.	1.3	37
120	Prenatal diagnosis in CDG1 families: beware of heterogeneity. <i>European Journal of Human Genetics</i> , 1998, 6, 99-104.	1.4	37
121	Evidence for glucose-6-phosphate transport in rat liver microsomes. <i>FEBS Letters</i> , 2002, 517, 257-260.	1.3	37
122	<i>acs1</i> of <i>Haemophilus influenzae</i> Type a Capsulation Locus Region II Encodes a Bifunctional Ribulose 5-Phosphate Reductaseâ€œ CDP-Ribitol Pyrophosphorylase. <i>Journal of Bacteriology</i> , 1999, 181, 2001-2007.	1.0	37
123	NAT6 acetylates the Nâ€œterminus of different forms of actin. <i>FEBS Journal</i> , 2018, 285, 3299-3316.	2.2	36
124	Effect of benzoate on the metabolism of fructose 2,6-bisphosphate in yeast. <i>FEBS Journal</i> , 1986, 154, 141-145.	0.2	35
125	D-Glycerate kinase deficiency as a cause of D-glyceric aciduria. <i>FEBS Letters</i> , 1989, 243, 127-131.	1.3	35
126	Fructose administration stimulates glucose phosphorylation in the livers of anesthetized rats. <i>FASEB Journal</i> , 1991, 5, 326-330.	0.2	34

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127	<i>HDHD1</i> , which is often deleted in X-linked ichthyosis, encodes a pseudouridine-5'-phosphatase. <i>Biochemical Journal</i> , 2010, 431, 237-244.	1.7	34
128	Limitations of galactose therapy in phosphoglucomutase 1 deficiency. <i>Molecular Genetics and Metabolism Reports</i> , 2017, 13, 33-40.	0.4	34
129	On the Mechanism of Inhibition of Neutral Liver Fructose 1,6-Bisphosphatase by Fructose 2,6-Bisphosphate. <i>FEBS Journal</i> , 1983, 134, 269-273.	0.2	33
130	Pyruvate kinase from <i>Trichomonas vaginalis</i> , an allosteric enzyme stimulated by ribose 5-phosphate and glycerate 3-phosphate. <i>Molecular and Biochemical Parasitology</i> , 1992, 54, 13-20.	0.5	33
131	Plant ribulosamine/erythrulosamine 3-kinase, a putative protein-repair enzyme. <i>Biochemical Journal</i> , 2005, 388, 795-802.	1.7	33
132	How many forms of glycogen storage disease type I?. <i>European Journal of Pediatrics</i> , 2000, 159, 314-318.	1.3	32
133	Glucose-6-Phosphatase Mutation G188R Confers an Atypical Glycogen Storage Disease Type 1b Phenotype. <i>Pediatric Research</i> , 2000, 48, 329-334.	1.1	32
134	Mammalian Phosphomannomutase PMM1 Is the Brain IMP-sensitive Glucose-1,6-bisphosphatase. <i>Journal of Biological Chemistry</i> , 2008, 283, 33988-33993.	1.6	32
135	Nit1 is a metabolite repair enzyme that hydrolyzes deaminated glutathione. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E3233-E3242.	3.3	32
136	Phosphate dependency of phosphofructokinase 2. <i>FEBS Journal</i> , 1985, 148, 155-159.	0.2	31
137	Conversion of fructose to glucose in the rabbit small intestine. A reappraisal of the direct pathway. <i>FEBS Journal</i> , 1993, 213, 721-726.	0.2	31
138	Cloning and sequencing of rat liver cDNAs encoding the regulatory protein of glucokinase. <i>FEBS Letters</i> , 1993, 321, 111-115.	1.3	31
139	The stimulation of phosphofructokinase from human erythrocytes by fructose 2,6-bisphosphate. <i>FEBS Letters</i> , 1982, 143, 141-143.	1.3	30
140	Many fructosamine 3-kinase homologues in bacteria are ribulosamine/erythrulosamine 3-kinases potentially involved in protein deglycation. <i>FEBS Journal</i> , 2007, 274, 4360-4374.	2.2	30
141	Inborn errors of metabolite repair. <i>Journal of Inherited Metabolic Disease</i> , 2020, 43, 14-24.	1.7	30
142	High-resolution structure of human phosphoserine phosphatase in open conformation. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2003, 59, 971-977.	2.5	29
143	Fructosamine 3-kinase-related protein and deglycation in human erythrocytes. <i>Biochemical Journal</i> , 2004, 382, 137-143.	1.7	29
144	Parkinson's disease protein PARK7 prevents metabolite and protein damage caused by a glycolytic metabolite. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	29

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145	Cloning and Expression of a Xenopus Liver cDNA Encoding a Fructose-Phosphate-Insensitive Regulatory Protein of Glucokinase. <i>FEBS Journal</i> , 1994, 225, 43-51.	0.2	28
146	Identification of glucoselysine-6-phosphate deglycase, an enzyme involved in the metabolism of the fructation product glucoselysine. <i>Biochemical Journal</i> , 2005, 392, 263-269.	1.7	28
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