

# Annette Schurmann

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

134  
papers

5,323  
citations

35  
h-index

70  
g-index

147  
ext. papers

6,669  
ext. citations

6.2  
avg, IF

5.44  
L-index

#	Paper	IF	Citations
134	Metabolic implications of pancreatic fat accumulation. <i>Nature Reviews Endocrinology</i> , <b>2022</b> , 18, 43-54	15.2	2
133	The German Gestational Diabetes Study (PREG), a prospective multicentre cohort study: rationale, methodology and design.. <i>BMJ Open</i> , <b>2022</b> , 12, e058268	3	0
132	Nudix hydrolase NUDT19 regulates mitochondrial function and ATP production in murine hepatocytes.. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2022</b> , 1867, 159153	5	0
131	Genetic and epigenetic factors determining NAFLD risk. <i>Molecular Metabolism</i> , <b>2021</b> , 50, 101111	8.8	23
130	Identification of four novel QTL linked to the metabolic syndrome in the Berlin Fat Mouse. <i>International Journal of Obesity</i> , <b>2021</b> ,	5.5	2
129	The ARFRP1-dependent Golgi scaffolding protein GOPC is required for insulin secretion from pancreatic $\beta$ cells. <i>Molecular Metabolism</i> , <b>2021</b> , 45, 101151	8.8	1
128	Gemeinsam schneller vom Labor zum Patient. <i>Diabetes Aktuell</i> , <b>2021</b> , 19, 54-54	0	
127	Schutz und Regeneration der Betazellen. <i>Diabetes Aktuell</i> , <b>2021</b> , 19, 86-89	0	
126	Adrenal Hormone Interactions and Metabolism: A Single Sample Multi-Omics Approach. <i>Hormone and Metabolic Research</i> , <b>2021</b> , 53, 326-334	3.1	2
125	Einfluss von Genetik und Epigenetik auf die Entstehung von Diabetes. <i>Diabetes Aktuell</i> , <b>2021</b> , 19, 62-65	0	
124	Central Acting Hsp10 Regulates Mitochondrial Function, Fatty Acid Metabolism, and Insulin Sensitivity in the Hypothalamus. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	2
123	Alternative exon splicing and differential expression in pancreatic islets reveals candidate genes and pathways implicated in early diabetes development. <i>Mammalian Genome</i> , <b>2021</b> , 32, 153-172	3.2	0
122	The trans-ancestral genomic architecture of glycemic traits. <i>Nature Genetics</i> , <b>2021</b> , 53, 840-860	36.3	44
121	Meta-analysis of genome-wide DNA methylation and integrative omics of age in human skeletal muscle. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , <b>2021</b> , 12, 1064-1078	10.3	12
120	Viral infiltration of pancreatic islets in patients with COVID-19. <i>Nature Communications</i> , <b>2021</b> , 12, 3534	17.4	34
119	MiR-205 is up-regulated in islets of diabetes-susceptible mice and targets the diabetes gene Tcf7l2. <i>Acta Physiologica</i> , <b>2021</b> , 232, e13693	5.6	1
118	Insulin Directly Regulates the Circadian Clock in Adipose Tissue. <i>Diabetes</i> , <b>2021</b> , 70, 1985-1999	0.9	1

117	Intermittierendes Fasten. <i>Psychotherapeut</i> , <b>2021</b> , 66, 23-27	0.5	
116	Enriched Alternative Splicing in Islets of Diabetes-Susceptible Mice. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2
115	Different Effects of Lifestyle Intervention in High- and Low-Risk Prediabetes: Results of the Randomized Controlled Prediabetes Lifestyle Intervention Study (PLIS). <i>Diabetes</i> , <b>2021</b> , 70, 2785-2795	0.9	5
114	HSP60 reduction protects against diet-induced obesity by modulating energy metabolism in adipose tissue. <i>Molecular Metabolism</i> , <b>2021</b> , 53, 101276	8.8	1
113	Metabolic changes during pregnancy in glucose-intolerant NZO mice: A polygenic model with prediabetic metabolism. <i>Physiological Reports</i> , <b>2020</b> , 8, e14417	2.6	1
112	Immunity-related GTPase induces lipophagy to prevent excess hepatic lipid accumulation. <i>Journal of Hepatology</i> , <b>2020</b> , 73, 771-782	13.4	17
111	Overexpression of Gjb4 impairs cell proliferation and insulin secretion in primary islet cells. <i>Molecular Metabolism</i> , <b>2020</b> , 41, 101042	8.8	6
110	Polymorphisms in miRNA binding sites involved in metabolic diseases in mice and humans. <i>Scientific Reports</i> , <b>2020</b> , 10, 7202	4.9	4
109	Epigenetic contribution to obesity. <i>Mammalian Genome</i> , <b>2020</b> , 31, 134-145	3.2	14
108	Antidiabetic Effects of a Tripeptide That Decreases Abundance of Na-d-glucose Cotransporter SGLT1 in the Brush-Border Membrane of the Small Intestine. <i>ACS Omega</i> , <b>2020</b> , 5, 29127-29139	3.9	1
107	FGF21, not GCN2, influences bone morphology due to dietary protein restrictions. <i>Bone Reports</i> , <b>2020</b> , 12, 100241	2.6	1
106	Expansion and Impaired Mitochondrial Efficiency of Deep Subcutaneous Adipose Tissue in Recent-Onset Type 2 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2020</b> , 105,	5.6	5
105	Redox homeostasis and cell cycle activation mediate beta-cell mass expansion in aged, diabetes-prone mice under metabolic stress conditions: Role of thioredoxin-interacting protein (TXNIP). <i>Redox Biology</i> , <b>2020</b> , 37, 101748	11.3	2
104	Identification of Novel Potential Type 2 Diabetes Genes Mediating $\beta$ Cell Loss and Hyperglycemia Using Positional Cloning. <i>Frontiers in Genetics</i> , <b>2020</b> , 11, 567191	4.5	1
103	Epigenetic Changes in Islets of Langerhans Preceding the Onset of Diabetes. <i>Diabetes</i> , <b>2020</b> , 69, 2503-2517	5.7	8
102	Intermittierendes Fasten – Was gibt es Neues aus der Wissenschaft?. <i>Diabetologe</i> , <b>2020</b> , 16, 641-646	0.2	
101	EHD2-mediated restriction of caveolar dynamics regulates cellular fatty acid uptake. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 7471-7481	11.5	18
100	Dynamic changes of muscle insulin sensitivity after metabolic surgery. <i>Nature Communications</i> , <b>2019</b> , 10, 4179	17.4	27

99	A SEPT1-based scaffold is required for Golgi integrity and function. <i>Journal of Cell Science</i> , <b>2019</b> , 132,	5.3	16
98	Pancreatic adipocytes mediate hypersecretion of insulin in diabetes-susceptible mice. <i>Metabolism: Clinical and Experimental</i> , <b>2019</b> , 97, 9-17	12.7	16
97	ARF GTPases and their GEFs and GAPs: concepts and challenges. <i>Molecular Biology of the Cell</i> , <b>2019</b> , 30, 1249-1271	3.5	86
96	Genome-wide identification of alternative splicing events that regulate protein transport across the secretory pathway. <i>Journal of Cell Science</i> , <b>2019</b> , 132,	5.3	3
95	Methionine restriction prevents onset of type 2 diabetes in NZO mice. <i>FASEB Journal</i> , <b>2019</b> , 33, 7092-7102	10.9	36
94	Decreased Expression of Cilia Genes in Pancreatic Islets as a Risk Factor for Type 2 Diabetes in Mice and Humans. <i>Cell Reports</i> , <b>2019</b> , 26, 3027-3036.e3	10.6	23
93	Identification of functional lipid metabolism biomarkers of brown adipose tissue aging. <i>Molecular Metabolism</i> , <b>2019</b> , 24, 1-17	8.8	20
92	Anträge auf Projektförderungen der DDG 2020: Hinweise zur Antragstellung mit einem Bearbeiteten Antragsformular. <i>Diabetologie Und Stoffwechsel</i> , <b>2019</b> , 14, 352-355	0.7	
91	Metabolic and Non-Metabolic Peripheral Neuropathy: Is there a Place for Therapeutic Apheresis?. <i>Hormone and Metabolic Research</i> , <b>2019</b> , 51, 779-784	3.1	4
90	Insulin-Like Growth Factor Binding Protein 2 (IGFBP-2) and the Risk of Developing Type 2 Diabetes. <i>Diabetes</i> , <b>2019</b> , 68, 188-197	0.9	26
89	Epigenetic regulation of hepatic Dpp4 expression in response to dietary protein. <i>Journal of Nutritional Biochemistry</i> , <b>2019</b> , 63, 109-116	6.3	11
88	Increased Ifi202b/IFI16 expression stimulates adipogenesis in mice and humans. <i>Diabetologia</i> , <b>2018</b> , 61, 1167-1179	10.3	11
87	Animal models of obesity and diabetes mellitus. <i>Nature Reviews Endocrinology</i> , <b>2018</b> , 14, 140-162	15.2	330
86	Increased Hepatic PDGF-AA Signaling Mediates Liver Insulin Resistance in Obesity-Associated Type 2 Diabetes. <i>Diabetes</i> , <b>2018</b> , 67, 1310-1321	0.9	42
85	Insulin sensitivity linked skeletal muscle Nr4a1 DNA methylation is programmed by the maternal diet and modulated by voluntary exercise in mice. <i>Journal of Nutritional Biochemistry</i> , <b>2018</b> , 57, 86-92	6.3	14
84	A computational biology approach of a genome-wide screen connected miRNAs to obesity and type 2 diabetes. <i>Molecular Metabolism</i> , <b>2018</b> , 11, 145-159	8.8	33
83	Dietary carbohydrates impair the protective effect of protein restriction against diabetes in NZO mice used as a model of type 2 diabetes. <i>Diabetologia</i> , <b>2018</b> , 61, 1459-1469	10.3	10
82	Comparison of Fatty Acid and Gene Profiles in Skeletal Muscle in Normal and Obese C57BL/6J Mice before and after Blunt Muscle Injury. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 19	4.6	5

81	Diet-Induced Obesity Affects Muscle Regeneration After Murine Blunt Muscle Trauma-A Broad Spectrum Analysis. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 674	4.6	17
80	An incretin-based tri-agonist promotes superior insulin secretion from murine pancreatic islets via PLC activation. <i>Cellular Signalling</i> , <b>2018</b> , 51, 13-22	4.9	7
79	Novel Insights into How Overnutrition Disrupts the Hypothalamic Actions of Leptin. <i>Frontiers in Endocrinology</i> , <b>2018</b> , 9, 89	5.7	16
78	Loss of periostin occurs in aging adipose tissue of mice and its genetic ablation impairs adipose tissue lipid metabolism. <i>Aging Cell</i> , <b>2018</b> , 17, e12810	9.9	17
77	A collective diabetes cross in combination with a computational framework to dissect the genetics of human obesity and Type 2 diabetes. <i>Human Molecular Genetics</i> , <b>2018</b> , 27, 3099-3112	5.6	13
76	Adiponectin release and insulin receptor targeting share trans-Golgi-dependent endosomal trafficking routes. <i>Molecular Metabolism</i> , <b>2018</b> , 8, 167-179	8.8	9
75	The Expression of Aldolase B in Islets Is Negatively Associated With Insulin Secretion in Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2018</b> , 103, 4373-4383	5.6	24
74	Augmented liver inflammation in a microsomal prostaglandin E synthase 1 (mPGES-1)-deficient diet-induced mouse NASH model. <i>Scientific Reports</i> , <b>2018</b> , 8, 16127	4.9	16
73	The GTPase ARFRP1 affects lipid droplet protein composition and triglyceride release from intracellular storage of intestinal Caco-2 cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2018</b> , 506, 259-265	3.4	3
72	Two Novel Candidate Genes for Insulin Secretion Identified by Comparative Genomics of Multiple Backcross Mouse Populations. <i>Genetics</i> , <b>2018</b> , 210, 1527-1542	4	10
71	Effect of adipocyte-derived IGF-I on adipose tissue mass and glucose metabolism in the Berlin Fat Mouse. <i>Growth Factors</i> , <b>2018</b> , 36, 78-88	1.6	2
70	The novel adipokine WISP1 associates with insulin resistance and impairs insulin action in human myotubes and mouse hepatocytes. <i>Diabetologia</i> , <b>2018</b> , 61, 2054-2065	10.3	20
69	Palmitate and insulin counteract glucose-induced thioredoxin interacting protein (TXNIP) expression in insulin secreting cells via distinct mechanisms. <i>PLoS ONE</i> , <b>2018</b> , 13, e0198016	3.7	9
68	A vast genomic deletion in the C56BL/6 genome affects different genes within the Ifi200 cluster on chromosome 1 and mediates obesity and insulin resistance. <i>BMC Genomics</i> , <b>2017</b> , 18, 172	4.5	5
67	Adipocyte Accumulation in the Bone Marrow during Obesity and Aging Impairs Stem Cell-Based Hematopoietic and Bone Regeneration. <i>Cell Stem Cell</i> , <b>2017</b> , 20, 771-784.e6	18	349
66	FGF21 improves glucose homeostasis in an obese diabetes-prone mouse model independent of body fat changes. <i>Diabetologia</i> , <b>2017</b> , 60, 2274-2284	10.3	27
65	Elevated hepatic DPP4 activity promotes insulin resistance and non-alcoholic fatty liver disease. <i>Molecular Metabolism</i> , <b>2017</b> , 6, 1254-1263	8.8	70
64	Ernährungsgewohnheiten schlagen sich im Erbgut nieder. <i>Diabetes Aktuell</i> , <b>2017</b> , 15, 104-107	0	

63	Hepatic DPP4 DNA Methylation Associates With Fatty Liver. <i>Diabetes</i> , <b>2017</b> , 66, 25-35	0.9	41
62	Einfluss der Fettleber auf den Glukosestoffwechsel nicht unterschätzen. <i>Diabetes Aktuell</i> , <b>2017</b> , 15, 113-116		
61	Induction of steatohepatitis (NASH) with insulin resistance in wildtype B6 mice by a western-type diet containing soybean oil and cholesterol. <i>Molecular Medicine</i> , <b>2017</b> , 23, 70-82	6.2	34
60	GLP-1 and estrogen conjugate acts in the supramammillary nucleus to reduce food-reward and body weight. <i>Neuropharmacology</i> , <b>2016</b> , 110, 396-406	5.5	48
59	Gut microbiota and glucometabolic alterations in response to recurrent partial sleep deprivation in normal-weight young individuals. <i>Molecular Metabolism</i> , <b>2016</b> , 5, 1175-1186	8.8	119
58	SORLA facilitates insulin receptor signaling in adipocytes and exacerbates obesity. <i>Journal of Clinical Investigation</i> , <b>2016</b> , 126, 2706-20	15.9	29
57	Epithelial magnesium transport by TRPM6 is essential for prenatal development and adult survival. <i>ELife</i> , <b>2016</b> , 5,	8.9	69
56	Early hypermethylation of hepatic Igfbp2 results in its reduced expression preceding fatty liver in mice. <i>Human Molecular Genetics</i> , <b>2016</b> , 25, 2588-2599	5.6	30
55	Exercise training alters DNA methylation patterns in genes related to muscle growth and differentiation in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2015</b> , 308, E912-20	6	35
54	The diabetes gene Zfp69 modulates hepatic insulin sensitivity in mice. <i>Diabetologia</i> , <b>2015</b> , 58, 2403-13	10.3	13
53	Skeletal muscle mitochondrial uncoupling prevents diabetes but not obesity in NZO mice, a model for polygenic diabetes. <i>Genes and Nutrition</i> , <b>2015</b> , 10, 57	4.3	10
52	Identification of Four Mouse Diabetes Candidate Genes Altering $\beta$ Cell Proliferation. <i>PLoS Genetics</i> , <b>2015</b> , 11, e1005506	6	27
51	Diabetes prevalence in NZO females depends on estrogen action on liver fat content. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2015</b> , 309, E968-80	6	9
50	Caloric restriction and intermittent fasting alter hepatic lipid droplet proteome and diacylglycerol species and prevent diabetes in NZO mice. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2015</b> , 1851, 566-76	5	74
49	GLP-1-oestrogen attenuates hyperphagia and protects from beta cell failure in diabetes-prone New Zealand obese (NZO) mice. <i>Diabetologia</i> , <b>2015</b> , 58, 604-14	10.3	28
48	The genetic basis of obesity-associated type 2 diabetes (diabetes) in polygenic mouse models. <i>Mammalian Genome</i> , <b>2014</b> , 25, 401-12	3.2	45
47	Differential transcriptome analysis of diabetes-resistant and -sensitive mouse islets reveals significant overlap with human diabetes susceptibility genes. <i>Diabetes</i> , <b>2014</b> , 63, 4230-8	0.9	34
46	Insulin secretion stimulated by L-arginine and its metabolite L-ornithine depends on G $\beta$ 2). <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2014</b> , 307, E800-12	6	22

45	Hepatic trans-Golgi action coordinated by the GTPase ARFRP1 is crucial for lipoprotein lipidation and assembly. <i>Journal of Lipid Research</i> , <b>2014</b> , 55, 41-52	6.3	12
44	Genetic and epigenetic control of metabolic health. <i>Molecular Metabolism</i> , <b>2013</b> , 2, 337-47	8.8	94
43	Trans-Golgi proteins participate in the control of lipid droplet and chylomicron formation. <i>Bioscience Reports</i> , <b>2013</b> , 33, 1-9	4.1	29
42	Minor role of mitochondrial respiration for fatty-acid induced insulin secretion. <i>International Journal of Molecular Sciences</i> , <b>2013</b> , 14, 18989-98	6.3	13
41	An interval of the obesity QTL Nob3.38 within a QTL hotspot on chromosome 1 modulates behavioral phenotypes. <i>PLoS ONE</i> , <b>2013</b> , 8, e53025	3.7	8
40	Pathophysiology and genetics of obesity and diabetes in the New Zealand obese mouse: a model of the human metabolic syndrome. <i>Methods in Molecular Biology</i> , <b>2012</b> , 933, 59-73	1.4	22
39	Stimulation of fat accumulation in hepatocytes by PGE <sub>2</sub> -dependent repression of hepatic lipolysis, oxidation and VLDL-synthesis. <i>Laboratory Investigation</i> , <b>2012</b> , 92, 1597-606	5.9	36
38	Na(+)-D-glucose cotransporter SGLT1 is pivotal for intestinal glucose absorption and glucose-dependent incretin secretion. <i>Diabetes</i> , <b>2012</b> , 61, 187-96	0.9	456
37	Non-invasive quantification of white and brown adipose tissues and liver fat content by computed tomography in mice. <i>PLoS ONE</i> , <b>2012</b> , 7, e37026	3.7	50
36	Loss of function of Ifi202b by a microdeletion on chromosome 1 of C57BL/6J mice suppresses 11β-hydroxysteroid dehydrogenase type 1 expression and development of obesity. <i>Human Molecular Genetics</i> , <b>2012</b> , 21, 3845-57	5.6	26
35	GTPase ARFRP1 is essential for normal hepatic glycogen storage and insulin-like growth factor 1 secretion. <i>Molecular and Cellular Biology</i> , <b>2012</b> , 32, 4363-74	4.8	19
34	The GTPase ARFRP1 controls the lipidation of chylomicrons in the Golgi of the intestinal epithelium. <i>Human Molecular Genetics</i> , <b>2012</b> , 21, 3128-42	5.6	23
33	Role of medium- and short-chain L-3-hydroxyacyl-CoA dehydrogenase in the regulation of body weight and thermogenesis. <i>Endocrinology</i> , <b>2011</b> , 152, 4641-51	4.8	28
32	The ARF-like GTPase ARFRP1 is essential for lipid droplet growth and is involved in the regulation of lipolysis. <i>Molecular and Cellular Biology</i> , <b>2010</b> , 30, 1231-42	4.8	41
31	Altered GLUT4 trafficking in adipocytes in the absence of the GTPase Arfrp1. <i>Biochemical and Biophysical Research Communications</i> , <b>2010</b> , 394, 896-903	3.4	18
30	Positional cloning of zinc finger domain transcription factor Zfp69, a candidate gene for obesity-associated diabetes contributed by mouse locus Nidd/SJL. <i>PLoS Genetics</i> , <b>2009</b> , 5, e1000541	6	59
29	GLUT8, the enigmatic intracellular hexose transporter. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2009</b> , 296, E614-8	6	87
28	Lysosomal localization of GLUT8 in the testis--the EXXXLL motif of GLUT8 is sufficient for its intracellular sorting via AP1- and AP2-mediated interaction. <i>FEBS Journal</i> , <b>2009</b> , 276, 3729-43	5.7	23



27	Characterization of Nob3, a major quantitative trait locus for obesity and hyperglycemia on mouse chromosome 1. <i>Physiological Genomics</i> , <b>2009</b> , 38, 226-32	3.6	28
26	Tbc1d1 mutation in lean mouse strain confers leanness and protects from diet-induced obesity. <i>Nature Genetics</i> , <b>2008</b> , 40, 1354-9	36.3	156
25	Targeted disruption of Slc2a8 (GLUT8) reduces motility and mitochondrial potential of spermatozoa. <i>Molecular Membrane Biology</i> , <b>2008</b> , 25, 224-35	3.4	34
24	Insight into the "odd" hexose transporters GLUT3, GLUT5, and GLUT7. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2008</b> , 295, E225-6	6	12
23	ADP-ribosylation factor-like GTPase ARFRP1 is required for trans-Golgi to plasma membrane trafficking of E-cadherin. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 27179-88	5.4	27
22	High-fat, carbohydrate-free diet markedly aggravates obesity but prevents beta-cell loss and diabetes in the obese, diabetes-susceptible db/db strain. <i>Obesity Facts</i> , <b>2008</b> , 1, 292-7	5.1	9
21	Ablation of the cholesterol transporter adenosine triphosphate-binding cassette transporter G1 reduces adipose cell size and protects against diet-induced obesity. <i>Endocrinology</i> , <b>2007</b> , 148, 1561-73	4.8	70
20	The central melanocortin system directly controls peripheral lipid metabolism. <i>Journal of Clinical Investigation</i> , <b>2007</b> , 117, 3475-88	15.9	306
19	Knockout of Arfrp1 leads to disruption of ARF-like1 (ARL1) targeting to the trans-Golgi in mouse embryos and HeLa cells. <i>Molecular Membrane Biology</i> , <b>2006</b> , 23, 475-85	3.4	39
18	Endocytosis of the glucose transporter GLUT8 is mediated by interaction of a dileucine motif with the beta2-adaptin subunit of the AP-2 adaptor complex. <i>Journal of Cell Science</i> , <b>2006</b> , 119, 2321-31	5.3	33
17	Nomenclature for the human Arf family of GTP-binding proteins: ARF, ARL, and SAR proteins. <i>Journal of Cell Biology</i> , <b>2006</b> , 172, 645-50	7.3	193
16	Hyperphagia, lower body temperature, and reduced running wheel activity precede development of morbid obesity in New Zealand obese mice. <i>Physiological Genomics</i> , <b>2006</b> , 25, 234-41	3.6	70
15	Consuming fructose-sweetened beverages increases body adiposity in mice. <i>Obesity</i> , <b>2005</b> , 13, 1146-56		219
14	The glucose transporter families SGLT and GLUT: molecular basis of normal and aberrant function. <i>Journal of Parenteral and Enteral Nutrition</i> , <b>2004</b> , 28, 364-71	4.2	297
13	The glucose transport facilitator GLUT8 is predominantly associated with the acrosomal region of mature spermatozoa. <i>Cell and Tissue Research</i> , <b>2002</b> , 307, 237-42	4.2	62
12	Targeting of GLUT6 (formerly GLUT9) and GLUT8 in rat adipose cells. <i>Biochemical Journal</i> , <b>2001</b> , 358, 517-22	3.8	50
11	Targeting of GLUT6 (formerly GLUT9) and GLUT8 in rat adipose cells. <i>Biochemical Journal</i> , <b>2001</b> , 358, 517-522	3.8	86
10	Subcellular fractionation of adipocytes and 3T3-L1 cells. <i>Methods in Molecular Biology</i> , <b>2001</b> , 155, 77-82	1.4	21



9	Glucose deprivation induces Akt-dependent synthesis and incorporation of GLUT1, but not of GLUT4, into the plasma membrane of 3T3-L1 adipocytes. <i>European Journal of Cell Biology</i> , <b>2000</b> , 79, 943-9	6.1	28
8	GLUT8, a novel member of the sugar transport facilitator family with glucose transport activity. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 16275-80	5.4	182
7	Serine-294 and threonine-295 in the exofacial loop domain between helices 7 and 8 of glucose transporters (GLUT) are involved in the conformational alterations during the transport process. <i>Biochemical Journal</i> , <b>1998</b> , 329 ( Pt 2), 289-93	3.8	39
6	Role of conserved arginine and glutamate residues on the cytosolic surface of glucose transporters for transporter function. <i>Biochemistry</i> , <b>1997</b> , 36, 12897-902	3.2	67
5	ARP is a plasma membrane-associated Ras-related GTPase with remote similarity to the family of ADP-ribosylation factors. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 30657-63	5.4	37
4	The Trans-Ancestral Genomic Architecture of Glycaemic Traits		1
3	Meta-analysis of genome-wide DNA methylation and integrative OMICs in human skeletal muscle		1
2	EHD2-mediated restriction of caveolar dynamics regulates cellular lipid uptake		5
1	Risk-stratified lifestyle intervention to prevent type 2 diabetes		1