Charles F Burant

List of Publications by Year in Descending Order

151 papers	10,264 citations	49 h-index	100 g-index
179 ext. papers	11,809 ext. citations	6.3 avg, IF	6.02 L-index

#	Paper	IF	Citations
151	Maternal and Neonatal One-Carbon Metabolites and the Epigenome-wide Infant Response.. *Journal of Nutritional Biochemistry*, **2022**, 101, 108938	6.3	1
150	Exercise training remodels subcutaneous adipose tissue in adults with obesity even without weight loss.. *Journal of Physiology*, **2022**,	3.9	2
149	Genome-wide association studies of metabolites in Finnish men identify disease-relevant loci.. *Nature Communications*, **2022**, 13, 1644	17.4	5
148	Dietary weight loss in people with severe obesity stabilizes neuropathy and improves symptomatology. *Obesity*, **2021**, 29, 2108-2118	8	2
147	Human and rat skeletal muscle single-nuclei multi-omic integrative analyses nominate causal cell types, regulatory elements, and SNPs for complex traits. *Genome Research*, **2021**,	9.7	5
146	Strategies to Understand the Weight-Reduced State: Genetics and Brain Imaging. *Obesity*, **2021**, 29 Suppl 1, S39-S50	8	0
145	88116 Effect of conjugated estrogens and bazedoxifene on glucose, energy and lipid metabolism in obese postmenopausal women. *Journal of Clinical and Translational Science*, **2021**, 5, 36-36	0.4	
144	Metabolomic Profiling in Response to an Oral Glucose Tolerance Test Reveals Pathways Associated With Obesity and Insulin Resistance During the Pubertal Transition. *Current Developments in Nutrition*, **2021**, 5, 506-506	0.4	78
143	Early life stress exposure associated with reduced polyunsaturated-containing lipids in low-income children. *Pediatric Research*, **2021**, 89, 1310-1315	3.2	0
142	Advantages of Studying the Metabolome in Response to Mixed-Macronutrient Challenges and Suggestions for Future Research Designs. *Journal of Nutrition*, **2021**, 151, 2868-2881	4.1	0
141	Maternal lipodome across pregnancy is associated with the neonatal DNA methylome. *Epigenomics*, **2020**, 12, 2077-2092	4.4	2
140	Moderate-Intensity Exercise and High-Intensity Interval Training Affect Insulin Sensitivity Similarly in Obese Adults. *Journal of Clinical Endocrinology and Metabolism*, **2020**, 105,	5.6	34
139	Mitochondrial Nutrient Utilization Underlying the Association Between Metabolites and Insulin Resistance in Adolescents. *Journal of Clinical Endocrinology and Metabolism*, **2020**, 105,	5.6	6
138	Epigenetic Regulation of TLR4 in Diabetic Macrophages Modulates Immunometabolism and Wound Repair. *Journal of Immunology*, **2020**, 204, 2503-2513	5.3	6
137	Effect of conjugated estrogens and bazedoxifene on glucose, energy and lipid metabolism in obese postmenopausal women. *European Journal of Endocrinology*, **2020**, 183, 439-452	6.5	3
136	Effect of conjugated estrogens and bazedoxifene on glucose, energy and lipid metabolism in obese postmenopausal women. *European Journal of Endocrinology*, **2020**, 183, 439-452	6.5	3
135	Weight Loss Improves □Cell Function in People With Severe Obesity and Impaired Fasting Glucose: A Window of Opportunity. *Journal of Clinical Endocrinology and Metabolism*, **2020**, 105,	5.6	3

134	Deep annotation of untargeted LC-MS metabolomics data with Binner. *Bioinformatics*, **2020**, 36, 1801-1806	7.6	21
133	The Role of Elevated Branched-Chain Amino Acids in the Effects of Vertical Sleeve Gastrectomy to Reduce Weight and Improve Glucose Regulation. *Cell Reports*, **2020**, 33, 108239	10.6	6
132	Impaired Myocardial Energetics Causes Mechanical Dysfunction in Decompensated Failing Hearts. *Function*, **2020**, 1, zqaa018	6.1	2
131	Maternal lipid levels across pregnancy impact the umbilical cord blood lipidome and infant birth weight. *Scientific Reports*, **2020**, 10, 14209	4.9	13
130	Application of Differential Network Enrichment Analysis for Deciphering Metabolic Alterations. *Metabolites*, **2020**, 10,	5.6	1
129	Mitochondrial PE potentiates respiratory enzymes to amplify skeletal muscle aerobic capacity. *Science Advances*, **2019**, 5, eaax8352	14.3	35
128	First trimester maternal exposures to endocrine disrupting chemicals and metals and fetal size in the Michigan Mother-Infant Pairs study. *Journal of Developmental Origins of Health and Disease*, **2019**, 10, 447-458	2.4	30
127	Early pregnancy exposure to endocrine disrupting chemical mixtures are associated with inflammatory changes in maternal and neonatal circulation. *Scientific Reports*, **2019**, 9, 5422	4.9	48
126	Intrinsic Mitochondrial Nutrient Utilization May Underlie the Association of Metabolite Levels with BMIz and Insulin Resistance (FS03-02-19). *Current Developments in Nutrition*, **2019**, 3,	0.4	78
125	The Histone Methyltransferase Setdb2 Modulates Macrophage Phenotype and Uric Acid Production in Diabetic Wound Repair. *Immunity*, **2019**, 51, 258-271.e5	32.3	38
124	96-OR: Epigenetic Regulation of the TLR4 Pathway in Macrophages via S-adenosyl Methionine Results in Impaired Wound Healing in Diabetes. *Diabetes*, **2019**, 68, 96-OR	0.9	
123	Comparison of Actual and Reported Macronutrient Intake in a Well-controlled Human Feeding Study (P08-003-19). *Current Developments in Nutrition*, **2019**, 3,	0.4	78
122	3266 Understanding epicardial adipose biology by imaging, transcriptomic, and lipidomic profiling. *Journal of Clinical and Translational Science*, **2019**, 3, 157-158	0.4	78
121	Obese Mice Losing Weight Due to trans-10,cis-12 Conjugated Linoleic Acid Supplementation or Food Restriction Harbor Distinct Gut Microbiota. *Journal of Nutrition*, **2018**, 148, 562-572	4.1	30
120	Better diagnostic accuracy of neuropathy in obesity: A new challenge for neurologists. *Clinical Neurophysiology*, **2018**, 129, 654-662	4.3	19
119	Expression of macrophage genes within skeletal muscle correlates inversely with adiposity and insulin resistance in humans. *Applied Physiology, Nutrition and Metabolism*, **2018**, 43, 187-193	3	5
118	Weight loss and bone mineral density in obese adults: a longitudinal analysis of the influence of very low energy diets. *Clinical Diabetes and Endocrinology*, **2018**, 4, 14	4.7	5
117	Impact of weight loss on waist circumference and the components of the metabolic syndrome. *BMJ Open Diabetes Research and Care*, **2017**, 5, e000341	4.5	39

116	Dimethyl Itaconate Is Not Metabolized into Itaconate Intracellularly. *Journal of Biological Chemistry*, **2017**, 292, 4766-4769	5.4	47
115	Mass spectrometry analysis shows the biosynthetic pathways supported by pyruvate carboxylase in highly invasive breast cancer cells. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2017**, 1863, 537-551	6.9	23
114	Cancer-Associated IDH1 Promotes Growth and Resistance to Targeted Therapies in the Absence of Mutation. *Cell Reports*, **2017**, 19, 1858-1873	10.6	104
113	Sparse network modeling and metscape-based visualization methods for the analysis of large-scale metabolomics data. *Bioinformatics*, **2017**, 33, 1545-1553	7.2	55
112	Glioblastoma Therapy Can Be Augmented by Targeting IDH1-Mediated NADPH Biosynthesis. *Cancer Research*, **2017**, 77, 960-970	10.1	50
111	Windowed persistent homology: A topological signal processing algorithm applied to clinical obesity data. *PLoS ONE*, **2017**, 12, e0177696	3.7	1
110	Evaluation of intensity drift correction strategies using MetaboDrift, a normalization tool for multi-batch metabolomics data. *Journal of Chromatography A*, **2017**, 1523, 265-274	4.5	29
109	Metabolomic Determinants of Metabolic Risk in Mexican Adolescents. *Obesity*, **2017**, 25, 1594-1602	8	26
108	The Histone Methyltransferase MLL1 Directs Macrophage-Mediated Inflammation in Wound Healing and Is Altered in a Murine Model of Obesity and Type 2 Diabetes. *Diabetes*, **2017**, 66, 2459-2471	0.9	46
107	2370: Understanding epicardial fat biology by imaging. *Journal of Clinical and Translational Science*, **2017**, 1, 63-63	0.4	78
106	Novel association of rs58542926 genotype with increased serum tyrosine levels and decreased apoB-100 particles in Finns. *Journal of Lipid Research*, **2017**, 58, 1471-1481	6.3	35
105	Depressive Symptoms and Well-being of Individuals with Obesity; Race and Gender Differences. *International Journal of Endocrinology and Metabolism*, **2017**, In Press,	1.8	4
104	Systems Analysis of the Complement-Induced Priming Phase of Liver Regeneration. *Journal of Immunology*, **2016**, 197, 2500-8	5.3	17
103	Knockdown of ATP citrate lyase in pancreatic beta cells does not inhibit insulin secretion or glucose flux and implicates the acetoacetate pathway in insulin secretion. *Molecular Metabolism*, **2016**, 5, 980-987	8.8	14
102	Lipid metabolism is associated with developmental epigenetic programming. *Scientific Reports*, **2016**, 6, 34857	4.9	25
101	Bacterial nutrient foraging in a mouse model of enteral nutrient deprivation: insight into the gut origin of sepsis. *American Journal of Physiology - Renal Physiology*, **2016**, 311, G734-G743	5.1	20
100	Association Between Metabolic Syndrome Components and Polyneuropathy in an Obese Population. *JAMA Neurology*, **2016**, 73, 1468-1476	17.2	93
99	Metabolomics Workbench: An international repository for metabolomics data and metadata, metabolite standards, protocols, tutorials and training, and analysis tools. *Nucleic Acids Research*, **2016**, 44, D463-70	20.1	309

98	Cell culture-based profiling across mammals reveals DNA repair and metabolism as determinants of species longevity. *ELife*, **2016**, 5,	8.9	42
97	Type 2 Diabetes Mellitus **2016**, 1385-1450		4
96	Selection-, age-, and exercise-dependence of skeletal muscle gene expression patterns in a rat model of metabolic fitness. *Physiological Genomics*, **2016**, 48, 816-825	3.6	7
95	Purinergic dysregulation in pulmonary hypertension. *American Journal of Physiology - Heart and Circulatory Physiology*, **2016**, 311, H286-98	5.2	27
94	Maria Gordon Buse, MD: A Family Affair Through Six Decades of Diabetes Discovery. *Diabetes Care*, **2016**, 39, 852-6	14.6	0
93	RhoC GTPase Is a Potent Regulator of Glutamine Metabolism and N-Acetylaspartate Production in Inflammatory Breast Cancer Cells. *Journal of Biological Chemistry*, **2016**, 291, 13715-29	5.4	21
92	Maximal oxidative capacity during exercise is associated with skeletal muscle fuel selection and dynamic changes in mitochondrial protein acetylation. *Cell Metabolism*, **2015**, 21, 468-78	24.6	116
91	Endogenous Opioid Mechanisms Are Implicated in Obesity and Weight Loss in Humans. *Journal of Clinical Endocrinology and Metabolism*, **2015**, 100, 3193-201	5.6	33
90	Plasma linoleic acid partially mediates the association of bipolar disorder on self-reported mental health scales. *Journal of Psychiatric Research*, **2015**, 68, 61-7	5.2	6
89	Epigenetic changes in bone marrow progenitor cells influence the inflammatory phenotype and alter wound healing in type 2 diabetes. *Diabetes*, **2015**, 64, 1420-30	0.9	117
88	Impact of anesthesia and euthanasia on metabolomics of mammalian tissues: studies in a C57BL/6J mouse model. *PLoS ONE*, **2015**, 10, e0117232	3.7	64
87	Android Adiposity and Lack of Moderate and Vigorous Physical Activity Are Associated With Insulin Resistance and Diabetes in Aging Adults. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2015**, 70, 1009-17	6.4	12
86	Metabolomics Analysis Reveals that AICAR Affects Glycerolipid, Ceramide and Nucleotide Synthesis Pathways in INS-1 Cells. *PLoS ONE*, **2015**, 10, e0129029	3.7	17
85	NPM-ALK Mediated Tyrosine Phosphorylation of ATP Citrate Lyase Regulates Lipid Metabolism and Promotes Oncogenesis of Anaplastic Large Cell Lymphoma. *Blood*, **2015**, 126, 465-465	2.2	
84	Serum Cortisol-to-Cortisone Ratio and Blood Pressure in Severe Obesity before and after Weight Loss. *CardioRenal Medicine*, **2015**, 6, 1-7	2.8	5
83	MetDisease--connecting metabolites to diseases via literature. *Bioinformatics*, **2014**, 30, 2239-41	7.2	17
82	Increased glucose metabolism and glycerolipid formation by fatty acids and GPR40 receptor signaling underlies the fatty acid potentiation of insulin secretion. *Journal of Biological Chemistry*, **2014**, 289, 13575-88	5.4	42
81	Dietary intake and plasma metabolomic analysis of polyunsaturated fatty acids in bipolar subjects reveal dysregulation of linoleic acid metabolism. *Journal of Psychiatric Research*, **2014**, 57, 58-64	5.2	38

80	Untargeted LC-MS metabolomics of bronchoalveolar lavage fluid differentiates acute respiratory distress syndrome from health. *Journal of Proteome Research*, **2014**, 13, 640-9	5.6	90
79	The impact of weight loss on health-related quality-of-life: implications for cost-effectiveness analyses. *Quality of Life Research*, **2014**, 23, 1371-6	3.7	32
78	Continuous 24-hour leptin, proopiomelanocortin, and amino acid measurements in human cerebrospinal fluid: correlations with plasma leptin, soluble leptin receptor, and amino acid levels. *Journal of Clinical Endocrinology and Metabolism*, **2014**, 99, 2540-8	5.6	18
77	Metabolic network motifs can provide novel insights into evolution: The evolutionary origin of Eukaryotic organelles as a case study. *Computational Biology and Chemistry*, **2014**, 53PB, 242-250	3.6	4
76	CD73 (ecto-5Rnucleotidase) hepatocyte levels differ across mouse strains and contribute to mallory-denk body formation. *Hepatology*, **2013**, 58, 1790-800	11.2	17
75	Activation of GPR40 as a therapeutic target for the treatment of type 2 diabetes. *Diabetes Care*, **2013**, 36 Suppl 2, S175-9	14.6	68
74	Network motifs provide signatures that characterize metabolism. *Molecular BioSystems*, **2013**, 9, 352-60		24
73	The impact of a managed care obesity intervention on clinical outcomes and costs: a prospective observational study. *Obesity*, **2013**, 21, 2157-62	8	23
72	Metabolome response to glucose in the Ecell line INS-1 832/13. *Journal of Biological Chemistry*, **2013**, 288, 10923-35	5.4	56
71	Integrated phosphoproteomic and metabolomic profiling reveals NPM-ALK-mediated phosphorylation of PKM2 and metabolic reprogramming in anaplastic large cell lymphoma. *Blood*, **2013**, 122, 958-68	2.2	48
70	Genetic analysis of a rat model of aerobic capacity and metabolic fitness. *PLoS ONE*, **2013**, 8, e77588	3.7	33
69	Atypical antipsychotics attenuate associations between linoleic acid and reduced markers of metabolic syndrome. *FASEB Journal*, **2013**, 27, 1067.5	0.9	
68	DASH-style diet is effective in patients with treated hypertension and diastolic heart failure independent of change in body weight a pilot study. *FASEB Journal*, **2013**, 27, 615.7	0.9	
67	Bioenergetics in diabetic neuropathy: what we need to know. *Journal of the Peripheral Nervous System*, **2012**, 17 Suppl 2, 10-4	4.7	31
66	TAK-875 versus placebo or glimepiride in type 2 diabetes mellitus: a phase 2, randomised, double-blind, placebo-controlled trial. *Lancet, The*, **2012**, 379, 1403-11	40	210
65	Metscape 2 bioinformatics tool for the analysis and visualization of metabolomics and gene expression data. *Bioinformatics*, **2012**, 28, 373-80	7.2	288
64	Association of plasma B and E6 lipids with burden of disease measures in bipolar subjects. *Journal of Psychiatric Research*, **2012**, 46, 1435-41	5.2	17
63	Secondary muscle pathology and metabolic dysregulation in adults with cerebral palsy. *American Journal of Physiology - Endocrinology and Metabolism*, **2012**, 303, E1085-93	6	50

62	The sedoheptulose kinase CARKL directs macrophage polarization through control of glucose metabolism. *Cell Metabolism*, **2012**, 15, 813-26	24.6	363
61	Impulsivity and inhibitory control deficits are associated with unhealthy eating in young adults. *Appetite*, **2012**, 59, 738-47	4.5	179
60	Fats and factors: lipid profiles associate with personality factors and suicidal history in bipolar subjects. *PLoS ONE*, **2012**, 7, e29297	3.7	26
59	A short-term diet and exercise intervention ameliorates inflammation and markers of metabolic health in overweight/obese children. *American Journal of Physiology - Endocrinology and Metabolism* , **2012**, 303, E542-50	6	40
58	The NIH National Center for Integrative Biomedical Informatics (NCIBI). *Journal of the American Medical Informatics Association: JAMIA*, **2012**, 19, 166-70	8.6	12
57	Retinaldehyde dehydrogenase 1 coordinates hepatic gluconeogenesis and lipid metabolism. *Endocrinology*, **2012**, 153, 3089-99	4.8	70
56	Alterations in lipid signaling underlie lipodystrophy secondary to AGPAT2 mutations. *Diabetes*, **2012**, 61, 2922-31	0.9	44
55	Integrated metabolome and transcriptome analysis of the NCI60 dataset. *BMC Bioinformatics*, **2011**, 12 Suppl 1, S36	3.6	33
54	Proteomic analysis reveals perturbed energy metabolism and elevated oxidative stress in hearts of rats with inborn low aerobic capacity. *Proteomics*, **2011**, 11, 3369-79	4.8	18
53	Reducing time and increasing sensitivity in sample preparation for adherent mammalian cell metabolomics. *Analytical Chemistry*, **2011**, 83, 3406-14	7.8	170
52	Intrinsic aerobic capacity sets a divide for aging and longevity. *Circulation Research*, **2011**, 109, 1162-72	15.7	110
51	Type 2 Diabetes Mellitus **2011**, 1371-1435		18
50	Metscape: a Cytoscape plug-in for visualizing and interpreting metabolomic data in the context of human metabolic networks. *Bioinformatics*, **2010**, 26, 971-3	7.2	148
49	Expression of miR-33 from an SREBP2 intron inhibits cholesterol export and fatty acid oxidation. *Journal of Biological Chemistry*, **2010**, 285, 33652-61	5.4	273
48	Identification of Isn1 and Sdt1 as glucose- and vitamin-regulated nicotinamide mononucleotide and nicotinic acid mononucleotide 5?-nucleotidases responsible for production of nicotinamide riboside and nicotinic acid riboside.. *Journal of Biological Chemistry*, **2010**, 285, 3524	5.4	78
47	A role for 1-acylglycerol-3-phosphate-O-acyltransferase-1 in myoblast differentiation. *Differentiation*, **2010**, 80, 140-6	3.5	12
46	Skeletal muscle gene expression in response to resistance exercise: sex specific regulation. *BMC Genomics*, **2010**, 11, 659	4.5	71
45	NAD+ metabolite levels as a function of vitamins and calorie restriction: evidence for different mechanisms of longevity. *BMC Chemical Biology*, **2010**, 10, 2		63

44	The effect of dietary macrocomposition on weight loss and nonalcoholic fatty liver disease (NAFLD) in bariatric surgery candidates.. *FASEB Journal*, **2010**, 24, 555.1	0.9	
43	Effect of a Short-term Diet and Exercise Intervention in Children on Serum Lipomics and Markers of Metabolic Health. *FASEB Journal*, **2010**, 24, 732.10	0.9	
42	Identification of Isn1 and Sdt1 as glucose- and vitamin-regulated nicotinamide mononucleotide and nicotinic acid mononucleotide [corrected] 5Rnucleotidases responsible for production of nicotinamide riboside and nicotinic acid riboside. *Journal of Biological Chemistry*, **2009**, 284, 34861-9	5.4	44
41	Appetite responds to changes in meal content, whereas ghrelin, leptin, and insulin track changes in energy availability. *Journal of Clinical Endocrinology and Metabolism*, **2009**, 94, 2290-8	5.6	46
40	Leptin and insulin resistance: good, bad, or still unclear?. *American Journal of Physiology - Endocrinology and Metabolism*, **2009**, 296, E394-5, author reply E396	6	2
39	Conditional ablation and recovery of forebrain neurogenesis in the mouse. *Journal of Comparative Neurology*, **2009**, 514, 567-82	3.4	53
38	Rats selectively bred for low aerobic capacity have reduced hepatic mitochondrial oxidative capacity and susceptibility to hepatic steatosis and injury. *Journal of Physiology*, **2009**, 587, 1805-16	3.9	120
37	Improved insulin sensitivity after weight loss and exercise training is mediated by a reduction in plasma fatty acid mobilization, not enhanced oxidative capacity. *Journal of Physiology*, **2009**, 587, 4949-61	3.9	67
36	Two bouts of exercise before meals, but not after meals, lower fasting blood glucose. *Medicine and Science in Sports and Exercise*, **2009**, 41, 1606-14	1.2	20
35	Capillary LC-MS for high sensitivity metabolomic analysis of single islets of Langerhans. *Analytical Chemistry*, **2008**, 80, 3539-46	7.8	17
34	Total pancreatectomy: indications, operative technique, and postoperative sequelae. *Journal of Gastrointestinal Surgery*, **2007**, 11, 209-16	3.3	81
33	Role of FoxO1 in FFA-induced oxidative stress in adipocytes. *American Journal of Physiology - Endocrinology and Metabolism*, **2007**, 293, E159-64	6	103
32	Wnt10b inhibits obesity in ob/ob and agouti mice. *Diabetes*, **2007**, 56, 295-303	0.9	132
31	The rapidly expanding family of adipokines. *Cell Metabolism*, **2007**, 6, 159-61	24.6	104
30	Identification of pancreatic cancer stem cells. *Cancer Research*, **2007**, 67, 1030-7	10.1	2659
29	Islet hypertrophy following pancreatic disruption of Smad4 signaling. *American Journal of Physiology - Endocrinology and Metabolism*, **2006**, 291, E1305-16	6	18
28	Islet microvasculature in islet hyperplasia and failure in a model of type 2 diabetes. *Diabetes*, **2006**, 55, 2965-73	0.9	118
27	Identification of a putative tumor suppressor gene Rap1GAP in pancreatic cancer. *Cancer Research*, **2006**, 66, 898-906	10.1	71

26	Exercise energy expenditure is not consciously detected due to oro-gastric, not metabolic, basis of hunger sensation. *Appetite*, **2005**, 45, 177-81	4.5	25
25	LXRbeta is required for adipocyte growth, glucose homeostasis, and beta cell function. *Journal of Biological Chemistry*, **2005**, 280, 23024-31	5.4	128
24	Distinct mechanisms of glucose lowering by specific agonists for peroxisomal proliferator activated receptor gamma and retinoic acid X receptors. *Journal of Biological Chemistry*, **2005**, 280, 38317-27	5.4	49
23	Matrix metalloproteinases contribute to insulin insufficiency in Zucker diabetic fatty rats. *Diabetes*, **2005**, 54, 2612-9	0.9	31
22	Obesity and metabolic perturbations after loss of aquaporin 7, the adipose glycerol transporter. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 10759-60	11.5	27
21	Raf kinase inhibitory protein inhibits beta-cell proliferation. *Surgery*, **2004**, 136, 708-15	3.6	59
20	Nestin-lineage cells contribute to the microvasculature but not endocrine cells of the islet. *Diabetes* , **2003**, 52, 2503-12	0.9	125
19	Cloning and functional characterization of the mouse fructose transporter, GLUT5. *Biochimica Et Biophysica Acta Gene Regulatory Mechanisms*, **2002**, 1576, 191-7		46
18	Episodic coronary artery vasospasm and hypertension develop in the absence of Sur2 KATP channels. *Journal of Clinical Investigation*, **2002**, 110, 203-208	15.9	159
17	Episodic coronary artery vasospasm and hypertension develop in the absence of Sur2 K(ATP) channels. *Journal of Clinical Investigation*, **2002**, 110, 203-8	15.9	98
16	Effects of type-2 diabetes and troglitazone on the expression patterns of small intestinal sugar transporters and PPAR-gamma in the Zucker diabetic fatty rat. *Digestion*, **2001**, 63, 116-23	3.6	15
15	Diabetes-related changes in cAMP response element-binding protein content enhance smooth muscle cell proliferation and migration. *Journal of Biological Chemistry*, **2001**, 276, 46142-50	5.4	63
14	Effects of troglitazone on substrate storage and utilization in insulin-resistant rats. *American Journal of Physiology - Endocrinology and Metabolism*, **1999**, 276, E1119-29	6	22
13	Alternative splicing of sur2 Exon 17 regulates nucleotide sensitivity of the ATP-sensitive potassium channel. *Journal of Biological Chemistry*, **1999**, 274, 13656-65	5.4	75
12	Intestinal fructose absorption: clinical and molecular aspects. *Journal of Pediatric Gastroenterology and Nutrition*, **1999**, 28, 364-74	2.8	50
11	The small intestinal fructose transporters: site of dietary perception and evidence for diurnal and fructose sensitive control elements. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **1998**, 1402, 229-38	4.9	21
10	Glucose transporter isoforms GLUT1 and GLUT3 transport dehydroascorbic acid. *Journal of Biological Chemistry*, **1997**, 272, 18982-9	5.4	352
9	Chapter 2 Facilitative glucose transport. *Principles of Medical Biology*, **1996**, 4, 67-86		1

8	Mammalian facilitative glucose transporters: evidence for similar substrate recognition sites in functionally monomeric proteins. *Biochemistry*, **1992**, 31, 10414-20	3.2	160
7	Differential binding of monoiodinated insulins to muscle and liver derived receptors and activation of the receptor kinase. *Biochemical and Biophysical Research Communications*, **1988**, 152, 1353-60	3.4	6
6	Tissue specific differences in the insulin receptor kinase activated in vitro and in vivo. *Endocrinology* , **1988**, 122, 427-37	4.8	23
5	Comparison of insulin and insulin-like growth factor I receptors from rat skeletal muscle and L-6 myocytes. *Biochemical and Biophysical Research Communications*, **1987**, 147, 100-7	3.4	33
4	Excretion and distribution of two occupational toxicants, tetrachloroazobenzene and tetrachloroazoxybenzene in the rat. *Toxicology*, **1984**, 29, 243-50	4.4	4
3	Thymic atrophy induced by acute exposure of 3,3R,4,4Rtetrachloroazobenzene and 3,3R,4,4Rtetrachloroazoxybenzene in rats. *Toxicology*, **1982**, 24, 231-44	4.4	14
2	General health effects of prolonged exposure to 3,3R,4,4Rtetrachloroazobenzene and 3,3R,4,4Rtetrachloroazoxybenzene in rats. *Drug and Chemical Toxicology*, **1980**, 3, 47-56	2.3	15
1	Preparation and Spectral Analysis of 3,3R,4,4RTetrachloroazobenzene and the Corresponding Azoxy and Hydrazo Analogs. *Journal of the Association of Official Analytical Chemists*, **1979**, 62, 746-750		4