

Charles F Burant

List of Publications by Citations

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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	Identification of pancreatic cancer stem cells. <i>Cancer Research</i> , 2007 , 67, 1030-7	10.1	2659
150	The sedoheptulose kinase CARKL directs macrophage polarization through control of glucose metabolism. <i>Cell Metabolism</i> , 2012 , 15, 813-26	24.6	363
149	Glucose transporter isoforms GLUT1 and GLUT3 transport dehydroascorbic acid. <i>Journal of Biological Chemistry</i> , 1997 , 272, 18982-9	5.4	352
148	Metabolomics Workbench: An international repository for metabolomics data and metadata, metabolite standards, protocols, tutorials and training, and analysis tools. <i>Nucleic Acids Research</i> , 2016 , 44, D463-70	20.1	309
147	Metscape 2 bioinformatics tool for the analysis and visualization of metabolomics and gene expression data. <i>Bioinformatics</i> , 2012 , 28, 373-80	7.2	288
146	Expression of miR-33 from an SREBP2 intron inhibits cholesterol export and fatty acid oxidation. <i>Journal of Biological Chemistry</i> , 2010 , 285, 33652-61	5.4	273
145	TAK-875 versus placebo or glimepiride in type 2 diabetes mellitus: a phase 2, randomised, double-blind, placebo-controlled trial. <i>Lancet, The</i> , 2012 , 379, 1403-11	40	210
144	Impulsivity and inhibitory control deficits are associated with unhealthy eating in young adults. <i>Appetite</i> , 2012 , 59, 738-47	4.5	179
143	Reducing time and increasing sensitivity in sample preparation for adherent mammalian cell metabolomics. <i>Analytical Chemistry</i> , 2011 , 83, 3406-14	7.8	170
142	Mammalian facilitative glucose transporters: evidence for similar substrate recognition sites in functionally monomeric proteins. <i>Biochemistry</i> , 1992 , 31, 10414-20	3.2	160
141	Episodic coronary artery vasospasm and hypertension develop in the absence of Sur2 KATP channels. <i>Journal of Clinical Investigation</i> , 2002 , 110, 203-208	15.9	159
140	Metscape: a Cytoscape plug-in for visualizing and interpreting metabolomic data in the context of human metabolic networks. <i>Bioinformatics</i> , 2010 , 26, 971-3	7.2	148
139	Wnt10b inhibits obesity in ob/ob and agouti mice. <i>Diabetes</i> , 2007 , 56, 295-303	0.9	132
138	LXRbeta is required for adipocyte growth, glucose homeostasis, and beta cell function. <i>Journal of Biological Chemistry</i> , 2005 , 280, 23024-31	5.4	128
137	Nestin-lineage cells contribute to the microvasculature but not endocrine cells of the islet. <i>Diabetes</i> , 2003 , 52, 2503-12	0.9	125
136	Rats selectively bred for low aerobic capacity have reduced hepatic mitochondrial oxidative capacity and susceptibility to hepatic steatosis and injury. <i>Journal of Physiology</i> , 2009 , 587, 1805-16	3.9	120
135	Islet microvasculature in islet hyperplasia and failure in a model of type 2 diabetes. <i>Diabetes</i> , 2006 , 55, 2965-73	0.9	118

134	Epigenetic changes in bone marrow progenitor cells influence the inflammatory phenotype and alter wound healing in type 2 diabetes. <i>Diabetes</i> , 2015 , 64, 1420-30	0.9	117
133	Maximal oxidative capacity during exercise is associated with skeletal muscle fuel selection and dynamic changes in mitochondrial protein acetylation. <i>Cell Metabolism</i> , 2015 , 21, 468-78	24.6	116
132	Intrinsic aerobic capacity sets a divide for aging and longevity. <i>Circulation Research</i> , 2011 , 109, 1162-72	15.7	110
131	Cancer-Associated IDH1 Promotes Growth and Resistance to Targeted Therapies in the Absence of Mutation. <i>Cell Reports</i> , 2017 , 19, 1858-1873	10.6	104
130	The rapidly expanding family of adipokines. <i>Cell Metabolism</i> , 2007 , 6, 159-61	24.6	104
129	Role of FoxO1 in FFA-induced oxidative stress in adipocytes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007 , 293, E159-64	6	103
128	Episodic coronary artery vasospasm and hypertension develop in the absence of Sur2 K(ATP) channels. <i>Journal of Clinical Investigation</i> , 2002 , 110, 203-8	15.9	98
127	Association Between Metabolic Syndrome Components and Polyneuropathy in an Obese Population. <i>JAMA Neurology</i> , 2016 , 73, 1468-1476	17.2	93
126	Untargeted LC-MS metabolomics of bronchoalveolar lavage fluid differentiates acute respiratory distress syndrome from health. <i>Journal of Proteome Research</i> , 2014 , 13, 640-9	5.6	90
125	Total pancreatectomy: indications, operative technique, and postoperative sequelae. <i>Journal of Gastrointestinal Surgery</i> , 2007 , 11, 209-16	3.3	81
124	Intrinsic Mitochondrial Nutrient Utilization May Underlie the Association of Metabolite Levels with BMIz and Insulin Resistance (FS03-02-19). <i>Current Developments in Nutrition</i> , 2019 , 3,	0.4	78
123	2370: Understanding epicardial fat biology by imaging. <i>Journal of Clinical and Translational Science</i> , 2017 , 1, 63-63	0.4	78
122	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.. <i>Journal of Biological Chemistry</i> , 2010 , 285, 3524	5.4	78
121	Metabolomic Profiling in Response to an Oral Glucose Tolerance Test Reveals Pathways Associated With Obesity and Insulin Resistance During the Pubertal Transition. <i>Current Developments in Nutrition</i> , 2021 , 5, 506-506	0.4	78
120	Comparison of Actual and Reported Macronutrient Intake in a Well-controlled Human Feeding Study (P08-003-19). <i>Current Developments in Nutrition</i> , 2019 , 3,	0.4	78
119	3266 Understanding epicardial adipose biology by imaging, transcriptomic, and lipidomic profiling. <i>Journal of Clinical and Translational Science</i> , 2019 , 3, 157-158	0.4	78
118	Alternative splicing of sur2 Exon 17 regulates nucleotide sensitivity of the ATP-sensitive potassium channel. <i>Journal of Biological Chemistry</i> , 1999 , 274, 13656-65	5.4	75
117	Skeletal muscle gene expression in response to resistance exercise: sex specific regulation. <i>BMC Genomics</i> , 2010 , 11, 659	4.5	71

116	Identification of a putative tumor suppressor gene Rap1GAP in pancreatic cancer. <i>Cancer Research</i> , 2006 , 66, 898-906	10.1	71
115	Retinaldehyde dehydrogenase 1 coordinates hepatic gluconeogenesis and lipid metabolism. <i>Endocrinology</i> , 2012 , 153, 3089-99	4.8	70
114	Activation of GPR40 as a therapeutic target for the treatment of type 2 diabetes. <i>Diabetes Care</i> , 2013 , 36 Suppl 2, S175-9	14.6	68
113	Improved insulin sensitivity after weight loss and exercise training is mediated by a reduction in plasma fatty acid mobilization, not enhanced oxidative capacity. <i>Journal of Physiology</i> , 2009 , 587, 4949-639	3.9	67
112	Impact of anesthesia and euthanasia on metabolomics of mammalian tissues: studies in a C57BL/6J mouse model. <i>PLoS ONE</i> , 2015 , 10, e0117232	3.7	64
111	NAD ⁺ metabolite levels as a function of vitamins and calorie restriction: evidence for different mechanisms of longevity. <i>BMC Chemical Biology</i> , 2010 , 10, 2		63
110	Diabetes-related changes in cAMP response element-binding protein content enhance smooth muscle cell proliferation and migration. <i>Journal of Biological Chemistry</i> , 2001 , 276, 46142-50	5.4	63
109	Raf kinase inhibitory protein inhibits beta-cell proliferation. <i>Surgery</i> , 2004 , 136, 708-15	3.6	59
108	Metabolome response to glucose in the cell line INS-1 832/13. <i>Journal of Biological Chemistry</i> , 2013 , 288, 10923-35	5.4	56
107	Sparse network modeling and metscape-based visualization methods for the analysis of large-scale metabolomics data. <i>Bioinformatics</i> , 2017 , 33, 1545-1553	7.2	55
106	Conditional ablation and recovery of forebrain neurogenesis in the mouse. <i>Journal of Comparative Neurology</i> , 2009 , 514, 567-82	3.4	53
105	Glioblastoma Therapy Can Be Augmented by Targeting IDH1-Mediated NADPH Biosynthesis. <i>Cancer Research</i> , 2017 , 77, 960-970	10.1	50
104	Secondary muscle pathology and metabolic dysregulation in adults with cerebral palsy. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012 , 303, E1085-93	6	50
103	Intestinal fructose absorption: clinical and molecular aspects. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 1999 , 28, 364-74	2.8	50
102	Distinct mechanisms of glucose lowering by specific agonists for peroxisomal proliferator activated receptor gamma and retinoic acid X receptors. <i>Journal of Biological Chemistry</i> , 2005 , 280, 38317-27	5.4	49
101	Early pregnancy exposure to endocrine disrupting chemical mixtures are associated with inflammatory changes in maternal and neonatal circulation. <i>Scientific Reports</i> , 2019 , 9, 5422	4.9	48
100	Integrated phosphoproteomic and metabolomic profiling reveals NPM-ALK-mediated phosphorylation of PKM2 and metabolic reprogramming in anaplastic large cell lymphoma. <i>Blood</i> , 2013 , 122, 958-68	2.2	48
99	Dimethyl Itaconate Is Not Metabolized into Itaconate Intracellularly. <i>Journal of Biological Chemistry</i> , 2017 , 292, 4766-4769	5.4	47

98	The Histone Methyltransferase MLL1 Directs Macrophage-Mediated Inflammation in Wound Healing and Is Altered in a Murine Model of Obesity and Type 2 Diabetes. <i>Diabetes</i> , 2017 , 66, 2459-2471	0.9	46
97	Appetite responds to changes in meal content, whereas ghrelin, leptin, and insulin track changes in energy availability. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009 , 94, 2290-8	5.6	46
96	Cloning and functional characterization of the mouse fructose transporter, GLUT5. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2002 , 1576, 191-7		46
95	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. <i>Journal of Biological Chemistry</i> , 2009 , 284, 34861-9	5.4	44
94	Alterations in lipid signaling underlie lipodystrophy secondary to AGPAT2 mutations. <i>Diabetes</i> , 2012 , 61, 2922-31	0.9	44
93	Increased glucose metabolism and glycerolipid formation by Fatty acids and GPR40 receptor signaling underlies the fatty acid potentiation of insulin secretion. <i>Journal of Biological Chemistry</i> , 2014 , 289, 13575-88	5.4	42
92	Cell culture-based profiling across mammals reveals DNA repair and metabolism as determinants of species longevity. <i>ELife</i> , 2016 , 5,	8.9	42
91	A short-term diet and exercise intervention ameliorates inflammation and markers of metabolic health in overweight/obese children. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012 , 303, E542-50	6	40
90	Impact of weight loss on waist circumference and the components of the metabolic syndrome. <i>BMJ Open Diabetes Research and Care</i> , 2017 , 5, e000341	4.5	39
89	The Histone Methyltransferase Setdb2 Modulates Macrophage Phenotype and Uric Acid Production in Diabetic Wound Repair. <i>Immunity</i> , 2019 , 51, 258-271.e5	32.3	38
88	Dietary intake and plasma metabolomic analysis of polyunsaturated fatty acids in bipolar subjects reveal dysregulation of linoleic acid metabolism. <i>Journal of Psychiatric Research</i> , 2014 , 57, 58-64	5.2	38
87	Mitochondrial PE potentiates respiratory enzymes to amplify skeletal muscle aerobic capacity. <i>Science Advances</i> , 2019 , 5, eaax8352	14.3	35
86	Novel association of rs58542926 genotype with increased serum tyrosine levels and decreased apoB-100 particles in Finns. <i>Journal of Lipid Research</i> , 2017 , 58, 1471-1481	6.3	35
85	Moderate-Intensity Exercise and High-Intensity Interval Training Affect Insulin Sensitivity Similarly in Obese Adults. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020 , 105,	5.6	34
84	Endogenous Opioid Mechanisms Are Implicated in Obesity and Weight Loss in Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015 , 100, 3193-201	5.6	33
83	Genetic analysis of a rat model of aerobic capacity and metabolic fitness. <i>PLoS ONE</i> , 2013 , 8, e77588	3.7	33
82	Integrated metabolome and transcriptome analysis of the NCI60 dataset. <i>BMC Bioinformatics</i> , 2011 , 12 Suppl 1, S36	3.6	33
81	Comparison of insulin and insulin-like growth factor I receptors from rat skeletal muscle and L-6 myocytes. <i>Biochemical and Biophysical Research Communications</i> , 1987 , 147, 100-7	3.4	33

80	The impact of weight loss on health-related quality-of-life: implications for cost-effectiveness analyses. <i>Quality of Life Research</i> , 2014 , 23, 1371-6	3.7	32
79	Bioenergetics in diabetic neuropathy: what we need to know. <i>Journal of the Peripheral Nervous System</i> , 2012 , 17 Suppl 2, 10-4	4.7	31
78	Matrix metalloproteinases contribute to insulin insufficiency in Zucker diabetic fatty rats. <i>Diabetes</i> , 2005 , 54, 2612-9	0.9	31
77	First trimester maternal exposures to endocrine disrupting chemicals and metals and fetal size in the Michigan Mother-Infant Pairs study. <i>Journal of Developmental Origins of Health and Disease</i> , 2019 , 10, 447-458	2.4	30
76	Obese Mice Losing Weight Due to trans-10,cis-12 Conjugated Linoleic Acid Supplementation or Food Restriction Harbor Distinct Gut Microbiota. <i>Journal of Nutrition</i> , 2018 , 148, 562-572	4.1	30
75	Evaluation of intensity drift correction strategies using MetaboDrift, a normalization tool for multi-batch metabolomics data. <i>Journal of Chromatography A</i> , 2017 , 1523, 265-274	4.5	29
74	Obesity and metabolic perturbations after loss of aquaporin 7, the adipose glycerol transporter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 10759-60	11.5	27
73	Purinergic dysregulation in pulmonary hypertension. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016 , 311, H286-98	5.2	27
72	Metabolomic Determinants of Metabolic Risk in Mexican Adolescents. <i>Obesity</i> , 2017 , 25, 1594-1602	8	26
71	Fats and factors: lipid profiles associate with personality factors and suicidal history in bipolar subjects. <i>PLoS ONE</i> , 2012 , 7, e29297	3.7	26
70	Lipid metabolism is associated with developmental epigenetic programming. <i>Scientific Reports</i> , 2016 , 6, 34857	4.9	25
69	Exercise energy expenditure is not consciously detected due to oro-gastric, not metabolic, basis of hunger sensation. <i>Appetite</i> , 2005 , 45, 177-81	4.5	25
68	Network motifs provide signatures that characterize metabolism. <i>Molecular BioSystems</i> , 2013 , 9, 352-60		24
67	Mass spectrometry analysis shows the biosynthetic pathways supported by pyruvate carboxylase in highly invasive breast cancer cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017 , 1863, 537-551	6.9	23
66	The impact of a managed care obesity intervention on clinical outcomes and costs: a prospective observational study. <i>Obesity</i> , 2013 , 21, 2157-62	8	23
65	Tissue specific differences in the insulin receptor kinase activated in vitro and in vivo. <i>Endocrinology</i> , 1988 , 122, 427-37	4.8	23
64	Effects of troglitazone on substrate storage and utilization in insulin-resistant rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1999 , 276, E1119-29	6	22
63	The small intestinal fructose transporters: site of dietary perception and evidence for diurnal and fructose sensitive control elements. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1998 , 1402, 229-38	4.9	21

62	Deep annotation of untargeted LC-MS metabolomics data with Binner. <i>Bioinformatics</i> , 2020 , 36, 1801-1806	2.1	21
61	RhoC GTPase Is a Potent Regulator of Glutamine Metabolism and N-Acetylaspartate Production in Inflammatory Breast Cancer Cells. <i>Journal of Biological Chemistry</i> , 2016 , 291, 13715-29	5.4	21
60	Bacterial nutrient foraging in a mouse model of enteral nutrient deprivation: insight into the gut origin of sepsis. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 311, G734-G743	5.1	20
59	Two bouts of exercise before meals, but not after meals, lower fasting blood glucose. <i>Medicine and Science in Sports and Exercise</i> , 2009 , 41, 1606-14	1.2	20
58	Better diagnostic accuracy of neuropathy in obesity: A new challenge for neurologists. <i>Clinical Neurophysiology</i> , 2018 , 129, 654-662	4.3	19
57	Continuous 24-hour leptin, proopiomelanocortin, and amino acid measurements in human cerebrospinal fluid: correlations with plasma leptin, soluble leptin receptor, and amino acid levels. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014 , 99, 2540-8	5.6	18
56	Proteomic analysis reveals perturbed energy metabolism and elevated oxidative stress in hearts of rats with inborn low aerobic capacity. <i>Proteomics</i> , 2011 , 11, 3369-79	4.8	18
55	Islet hypertrophy following pancreatic disruption of Smad4 signaling. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006 , 291, E1305-16	6	18
54	Type 2 Diabetes Mellitus 2011 , 1371-1435		18
53	Systems Analysis of the Complement-Induced Priming Phase of Liver Regeneration. <i>Journal of Immunology</i> , 2016 , 197, 2500-8	5.3	17
52	MetDisease--connecting metabolites to diseases via literature. <i>Bioinformatics</i> , 2014 , 30, 2239-41	7.2	17
51	CD73 (ecto-5RNucleotidase) hepatocyte levels differ across mouse strains and contribute to mallory-denk body formation. <i>Hepatology</i> , 2013 , 58, 1790-800	11.2	17
50	Association of plasma E _B and E _B lipids with burden of disease measures in bipolar subjects. <i>Journal of Psychiatric Research</i> , 2012 , 46, 1435-41	5.2	17
49	Capillary LC-MS for high sensitivity metabolomic analysis of single islets of Langerhans. <i>Analytical Chemistry</i> , 2008 , 80, 3539-46	7.8	17
48	Metabolomics Analysis Reveals that AICAR Affects Glycerolipid, Ceramide and Nucleotide Synthesis Pathways in INS-1 Cells. <i>PLoS ONE</i> , 2015 , 10, e0129029	3.7	17
47	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. <i>Digestion</i> , 2001 , 63, 116-23	3.6	15
46	General health effects of prolonged exposure to 3,3R,4,4Rtetrachloroazobenzene and 3,3R,4,4Rtetrachloroazoxybenzene in rats. <i>Drug and Chemical Toxicology</i> , 1980 , 3, 47-56	2.3	15
45	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. <i>Molecular Metabolism</i> , 2016 , 5, 980-987	8.8	14

44	Thymic atrophy induced by acute exposure of 3,3,4,4-tetrachloroazobenzene and 3,3,4,4-tetrachloroazoxybenzene in rats. <i>Toxicology</i> , 1982 , 24, 231-44	4.4	14
43	Maternal lipid levels across pregnancy impact the umbilical cord blood lipidome and infant birth weight. <i>Scientific Reports</i> , 2020 , 10, 14209	4.9	13
42	Android Adiposity and Lack of Moderate and Vigorous Physical Activity Are Associated With Insulin Resistance and Diabetes in Aging Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015 , 70, 1009-17	6.4	12
41	A role for 1-acylglycerol-3-phosphate-O-acyltransferase-1 in myoblast differentiation. <i>Differentiation</i> , 2010 , 80, 140-6	3.5	12
40	The NIH National Center for Integrative Biomedical Informatics (NCIBI). <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2012 , 19, 166-70	8.6	12
39	Selection-, age-, and exercise-dependence of skeletal muscle gene expression patterns in a rat model of metabolic fitness. <i>Physiological Genomics</i> , 2016 , 48, 816-825	3.6	7
38	Plasma linoleic acid partially mediates the association of bipolar disorder on self-reported mental health scales. <i>Journal of Psychiatric Research</i> , 2015 , 68, 61-7	5.2	6
37	Mitochondrial Nutrient Utilization Underlying the Association Between Metabolites and Insulin Resistance in Adolescents. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020 , 105,	5.6	6
36	Epigenetic Regulation of TLR4 in Diabetic Macrophages Modulates Immunometabolism and Wound Repair. <i>Journal of Immunology</i> , 2020 , 204, 2503-2513	5.3	6
35	Differential binding of monoiodinated insulins to muscle and liver derived receptors and activation of the receptor kinase. <i>Biochemical and Biophysical Research Communications</i> , 1988 , 152, 1353-60	3.4	6
34	The Role of Elevated Branched-Chain Amino Acids in the Effects of Vertical Sleeve Gastrectomy to Reduce Weight and Improve Glucose Regulation. <i>Cell Reports</i> , 2020 , 33, 108239	10.6	6
33	Expression of macrophage genes within skeletal muscle correlates inversely with adiposity and insulin resistance in humans. <i>Applied Physiology, Nutrition and Metabolism</i> , 2018 , 43, 187-193	3	5
32	Weight loss and bone mineral density in obese adults: a longitudinal analysis of the influence of very low energy diets. <i>Clinical Diabetes and Endocrinology</i> , 2018 , 4, 14	4.7	5
31	Human and rat skeletal muscle single-nuclei multi-omic integrative analyses nominate causal cell types, regulatory elements, and SNPs for complex traits. <i>Genome Research</i> , 2021 ,	9.7	5
30	Serum Cortisol-to-Cortisone Ratio and Blood Pressure in Severe Obesity before and after Weight Loss. <i>CardioRenal Medicine</i> , 2015 , 6, 1-7	2.8	5
29	Genome-wide association studies of metabolites in Finnish men identify disease-relevant loci.. <i>Nature Communications</i> , 2022 , 13, 1644	17.4	5
28	Metabolic network motifs can provide novel insights into evolution: The evolutionary origin of Eukaryotic organelles as a case study. <i>Computational Biology and Chemistry</i> , 2014 , 53PB, 242-250	3.6	4
27	Excretion and distribution of two occupational toxicants, tetrachloroazobenzene and tetrachloroazoxybenzene in the rat. <i>Toxicology</i> , 1984 , 29, 243-50	4.4	4

26	Preparation and Spectral Analysis of 3,3,4,4-Tetrachloroazobenzene and the Corresponding Azoxy and Hydrazo Analogs. <i>Journal of the Association of Official Analytical Chemists</i> , 1979 , 62, 746-750		4
25	Depressive Symptoms and Well-being of Individuals with Obesity; Race and Gender Differences. <i>International Journal of Endocrinology and Metabolism</i> , 2017 , In Press,	1.8	4
24	Type 2 Diabetes Mellitus 2016 , 1385-1450		4
23	Effect of conjugated estrogens and bazedoxifene on glucose, energy and lipid metabolism in obese postmenopausal women. <i>European Journal of Endocrinology</i> , 2020 , 183, 439-452	6.5	3
22	Effect of conjugated estrogens and bazedoxifene on glucose, energy and lipid metabolism in obese postmenopausal women. <i>European Journal of Endocrinology</i> , 2020 , 183, 439-452	6.5	3
21	Weight Loss Improves β Cell Function in People With Severe Obesity and Impaired Fasting Glucose: A Window of Opportunity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020 , 105,	5.6	3
20	Maternal lipodome across pregnancy is associated with the neonatal DNA methylome. <i>Epigenomics</i> , 2020 , 12, 2077-2092	4.4	2
19	Leptin and insulin resistance: good, bad, or still unclear?. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009 , 296, E394-5, author reply E396	6	2
18	Dietary weight loss in people with severe obesity stabilizes neuropathy and improves symptomatology. <i>Obesity</i> , 2021 , 29, 2108-2118	8	2
17	Impaired Myocardial Energetics Causes Mechanical Dysfunction in Decompensated Failing Hearts. <i>Function</i> , 2020 , 1, zqaa018	6.1	2
16	Exercise training remodels subcutaneous adipose tissue in adults with obesity even without weight loss.. <i>Journal of Physiology</i> , 2022 ,	3.9	2
15	Windowed persistent homology: A topological signal processing algorithm applied to clinical obesity data. <i>PLoS ONE</i> , 2017 , 12, e0177696	3.7	1
14	Chapter 2 Facilitative glucose transport. <i>Principles of Medical Biology</i> , 1996 , 4, 67-86		1
13	Maternal and Neonatal One-Carbon Metabolites and the Epigenome-wide Infant Response.. <i>Journal of Nutritional Biochemistry</i> , 2022 , 101, 108938	6.3	1
12	Application of Differential Network Enrichment Analysis for Deciphering Metabolic Alterations. <i>Metabolites</i> , 2020 , 10,	5.6	1
11	Strategies to Understand the Weight-Reduced State: Genetics and Brain Imaging. <i>Obesity</i> , 2021 , 29 Suppl 1, S39-S50	8	0
10	Maria Gordon Buse, MD: A Family Affair Through Six Decades of Diabetes Discovery. <i>Diabetes Care</i> , 2016 , 39, 852-6	14.6	0
9	Early life stress exposure associated with reduced polyunsaturated-containing lipids in low-income children. <i>Pediatric Research</i> , 2021 , 89, 1310-1315	3.2	0

8	Advantages of Studying the Metabolome in Response to Mixed-Macronutrient Challenges and Suggestions for Future Research Designs. <i>Journal of Nutrition</i> , 2021 , 151, 2868-2881	4.1	o
7	96-OR: Epigenetic Regulation of the TLR4 Pathway in Macrophages via S-adenosyl Methionine Results in Impaired Wound Healing in Diabetes. <i>Diabetes</i> , 2019 , 68, 96-OR	0.9	
6	NPM-ALK Mediated Tyrosine Phosphorylation of ATP Citrate Lyase Regulates Lipid Metabolism and Promotes Oncogenesis of Anaplastic Large Cell Lymphoma. <i>Blood</i> , 2015 , 126, 465-465	2.2	
5	The effect of dietary macrocomposition on weight loss and nonalcoholic fatty liver disease (NAFLD) in bariatric surgery candidates.. <i>FASEB Journal</i> , 2010 , 24, 555.1	0.9	
4	Effect of a Short-term Diet and Exercise Intervention in Children on Serum Lipomics and Markers of Metabolic Health. <i>FASEB Journal</i> , 2010 , 24, 732.10	0.9	
3	Atypical antipsychotics attenuate associations between linoleic acid and reduced markers of metabolic syndrome. <i>FASEB Journal</i> , 2013 , 27, 1067.5	0.9	
2	DASH-style diet is effective in patients with treated hypertension and diastolic heart failure independent of change in body weight in a pilot study. <i>FASEB Journal</i> , 2013 , 27, 615.7	0.9	
1	88116 Effect of conjugated estrogens and bazedoxifene on glucose, energy and lipid metabolism in obese postmenopausal women. <i>Journal of Clinical and Translational Science</i> , 2021 , 5, 36-36	0.4	