

Stephen F Previs

List of Publications by Year in descending order

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133
papers

7,336
citations

101384

36
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62479

80
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134
all docs

134
docs citations

134
times ranked

9960
citing authors

#	ARTICLE	IF	CITATIONS
1	Using measures of metabolic flux to align screening and clinical development: Avoiding pitfalls to enable translational studies. <i>SLAS Discovery</i> , 2022, 27, 20-28.	1.4	2
2	Measuring acetyl-CoA and acetylated histone turnover in vivo: Effect of a high fat diet. <i>Analytical Biochemistry</i> , 2021, 615, 114067.	1.1	5
3	Rapid, Selective, and Sensitive Method for Semitargeted Discovery of Congeneric Natural Products by Liquid Chromatography Tandem Mass Spectrometry. <i>Journal of Natural Products</i> , 2021, 84, 814-823.	1.5	0
4	Molecular Profiling Reveals a Common Metabolic Signature of Tissue Fibrosis. <i>Cell Reports Medicine</i> , 2020, 1, 100056.	3.3	28
5	Isotope Fractionation during Gas Chromatography Can Enhance Mass Spectrometry-Based Measures of 2H-Labeling of Small Molecules. <i>Metabolites</i> , 2020, 10, 474.	1.3	3
6	Mapping Lipogenic Flux: A Gold LDI-MS Approach for Imaging Neutral Lipid Kinetics. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 2421-2425.	1.2	4
7	Examining Targeted Protein Degradation from Physiological and Analytical Perspectives: Enabling Translation between Cells and Subjects. <i>ACS Chemical Biology</i> , 2020, 15, 2623-2635.	1.6	8
8	Impact of Extracellular Fatty Acids and Oxygen Tension on Lipid Synthesis and Assembly in Pancreatic Cancer Cells. <i>ACS Chemical Biology</i> , 2020, 15, 1892-1900.	1.6	8
9	Key Concepts Surrounding Studies of Stable Isotope-Resolved Metabolomics. <i>Methods in Molecular Biology</i> , 2020, 2104, 99-120.	0.4	6
10	A Novel Biomarker of Neuronal Glutamate Metabolism in Nonhuman Primates Using Localized 1H-Magnetic Resonance Spectroscopy: Development and Effects of BNC375, an $\alpha 7$ Nicotinic Acetylcholine Receptor Positive Allosteric Modulator. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2020, , .	1.1	0
11	Targeting a ceramide double bond improves insulin resistance and hepatic steatosis. <i>Science</i> , 2019, 365, 386-392.	6.0	304
12	Pharmacological AMPK activation induces transcriptional responses congruent to exercise in skeletal and cardiac muscle, adipose tissues and liver. <i>PLoS ONE</i> , 2019, 14, e0211568.	1.1	24
13	Spatial and temporal studies of metabolic activity: contrasting biochemical kinetics in tissues and pathways during fasted and fed states. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 316, E1105-E1117.	1.8	8
14	DGAT2 Inhibition Alters Aspects of Triglyceride Metabolism in Rodents but Not in Non-human Primates. <i>Cell Metabolism</i> , 2018, 27, 1236-1248.e6.	7.2	55
15	Stable isotope-based flux studies in nonalcoholic fatty liver disease. , 2018, 181, 22-33.		14
16	Glycation Reduces the Stability of ApoA1 and Increases HDL Dysfunction in Diet-Controlled Type 2 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 388-396.	1.8	58
17	Using [² H]water to quantify the contribution of de novo palmitate synthesis in plasma: enabling back-to-back studies. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 315, E63-E71.	1.8	10
18	Quantifying ceramide kinetics in vivo using stable isotope tracers and LC-MS/MS. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 315, E416-E424.	1.8	7

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19	Phenotyping of adipose, liver, and skeletal muscle insulin resistance and response to pioglitazone in spontaneously obese rhesus monkeys. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2017, 312, E235-E243.	1.8	7
20	GPR120 suppresses adipose tissue lipolysis and synergizes with GPR40 in antidiabetic efficacy. <i>Journal of Lipid Research</i> , 2017, 58, 1561-1578.	2.0	32
21	siRNA-mediated inhibition of SREBP cleavage-activating protein reduces dyslipidemia in spontaneously dysmetabolic rhesus monkeys. <i>Metabolism: Clinical and Experimental</i> , 2017, 71, 202-212.	1.5	8
22	Enhancing Studies of Pharmacodynamic Mechanisms via Measurements of Metabolic Flux: Fundamental Concepts and Guiding Principles for Using Stable Isotope Tracers. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2017, 363, 80-91.	1.3	10
23	CETP (Cholesteryl Ester Transfer Protein) Inhibition With Anacetrapib Decreases Production of Lipoprotein(a) in Mildly Hypercholesterolemic Subjects. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 1770-1775.	1.1	71
24	Effects of 13-Hour Hyperglucagonemia on Energy Expenditure and Hepatic Glucose Production in Humans. <i>Diabetes</i> , 2017, 66, 36-44.	0.3	23
25	Turnover of histones and histone variants in postnatal rat brain: effects of alcohol exposure. <i>Clinical Epigenetics</i> , 2017, 9, 117.	1.8	16
26	Reply to Letter to the Editor: "The art of quantifying glucose metabolism". <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2017, 313, E259-E261.	1.8	1
27	Glucagon like receptor 1/ glucagon dual agonist acutely enhanced hepatic lipid clearance and suppressed de novo lipogenesis in mice. <i>PLoS ONE</i> , 2017, 12, e0186586.	1.1	18
28	Analysis of Mammalian Cell Proliferation and Macromolecule Synthesis Using Deuterated Water and Gas Chromatography-Mass Spectrometry. <i>Metabolites</i> , 2016, 6, 34.	1.3	23
29	The Fatty Acid Synthase Inhibitor Platensimycin Improves Insulin Resistance without Inducing Liver Steatosis in Mice and Monkeys. <i>PLoS ONE</i> , 2016, 11, e0164133.	1.1	18
30	Quantifying rates of glucose production in vivo following an intraperitoneal tracer bolus. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 311, E911-E921.	1.8	14
31	Gaussian Process Modeling of Protein Turnover. <i>Journal of Proteome Research</i> , 2016, 15, 2115-2122.	1.8	25
32	A Western diet induced NAFLD in LDLR ^{-/-} mice is associated with reduced hepatic glutathione synthesis. <i>Free Radical Biology and Medicine</i> , 2016, 96, 13-21.	1.3	15
33	Dose-dependent effects of siRNA-mediated inhibition of SCAP on PCSK9, LDLR, and plasma lipids in mouse and rhesus monkey. <i>Journal of Lipid Research</i> , 2016, 57, 2150-2162.	2.0	23
34	Proteome Dynamics Reveals Pro-Inflammatory Remodeling of Plasma Proteome in a Mouse Model of NAFLD. <i>Journal of Proteome Research</i> , 2016, 15, 3388-3404.	1.8	15
35	Evaluation of CETP activity in vivo under non-steady-state conditions: influence of anacetrapib on HDL-TG flux. <i>Journal of Lipid Research</i> , 2016, 57, 398-409.	2.0	12
36	Multiplexed Quantification of Proglucagon-Derived Peptides by Immunoaffinity Enrichment and Tandem Mass Spectrometry after a Meal Tolerance Test. <i>Clinical Chemistry</i> , 2016, 62, 227-235.	1.5	49

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37	Quantitative profiling of oxylipins in plasma and atherosclerotic plaques of hypercholesterolemic rabbits. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 97-105.	1.9	24
38	Tracer-based estimates of protein flux in cases of incomplete product renewal: evidence and implications of heterogeneity in collagen turnover. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 309, E115-E121.	1.8	16
39	Effect of Error Propagation in Stable Isotope Tracer Studies. <i>Methods in Enzymology</i> , 2015, 561, 331-358.	0.4	9
40	Ceramide as a Mediator of Non-Alcoholic Fatty Liver Disease and Associated Atherosclerosis. <i>PLoS ONE</i> , 2015, 10, e0126910.	1.1	165
41	Glucagon receptor antagonism induces increased cholesterol absorption. <i>Journal of Lipid Research</i> , 2015, 56, 2183-2195.	2.0	61
42	Inhibition of cholesteryl ester transfer protein increases cholesteryl ester content of large HDL independently of HDL-to-HDL homotypic transfer: In vitro vs in vivo comparison using anacetrapib and dalcetrapib. <i>European Journal of Pharmacology</i> , 2015, 762, 256-262.	1.7	7
43	Tracer-based assessments of hepatic anaplerotic and TCA cycle flux: practicality, stoichiometry, and hidden assumptions. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 309, E727-E735.	1.8	29
44	Discovery and Pharmacology of a Novel Class of Diacylglycerol Acyltransferase 2 Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 9345-9353.	2.9	22
45	Lipidome of Atherosclerotic Plaques from Hypercholesterolemic Rabbits. <i>International Journal of Molecular Sciences</i> , 2014, 15, 23283-23293.	1.8	15
46	<i>In vivo</i> isotopically labeled atherosclerotic aorta plaques in ApoE KO mice and molecular profiling by matrix-assisted laser desorption/ionization mass spectrometric imaging. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 2471-2479.	0.7	23
47	Static and turnover kinetic measurement of protein biomarkers involved in triglyceride metabolism including apoB48 and apoA5 by LC/MS/MS. <i>Journal of Lipid Research</i> , 2014, 55, 1179-1187.	2.0	17
48	The Hepatitis C Virus Core Protein Inhibits Adipose Triglyceride Lipase (ATGL)-mediated Lipid Mobilization and Enhances the ATGL Interaction with Comparative Gene Identification 58 (CGI-58) and Lipid Droplets. <i>Journal of Biological Chemistry</i> , 2014, 289, 35770-35780.	1.6	29
49	New methodologies for studying lipid synthesis and turnover: Looking backwards to enable moving forwards. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 402-413.	1.8	39
50	Determination of low levels of ² H-labeling using high-resolution mass spectrometry: Application in studies of lipid flux and beyond. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 239-244.	0.7	14
51	In vivo effects of anacetrapib on pre ^β HDL: improvement in HDL remodeling without effects on cholesterol absorption. <i>Journal of Lipid Research</i> , 2013, 54, 2858-2865.	2.0	17
52	Enhanced data-independent analysis of lipids using ion mobility-ETOFMS ^E to unravel quantitative and qualitative information in human plasma. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 2195-2200.	0.7	51
53	Effects of small interfering RNA-mediated hepatic glucagon receptor inhibition on lipid metabolism in db/db mice. <i>Journal of Lipid Research</i> , 2013, 54, 2615-2622.	2.0	25
54	An Improved Measurement of Isotopic Ratios by High Resolution Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 309-312.	1.2	17

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55	Use of [¹³ C ¹⁸] Oleic Acid and Mass Isotopomer Distribution Analysis to Study Synthesis of Plasma Triglycerides In Vivo: Analytical and Experimental Considerations. <i>Analytical Chemistry</i> , 2013, 85, 6287-6294.	3.2	16
56	Assessment of cardiac proteome dynamics with heavy water: slower protein synthesis rates in interfibrillar than subsarcolemmal mitochondria. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 304, H1201-H1214.	1.5	66
57	Tracking fatty acid kinetics in distinct lipoprotein fractions in vivo: a novel high-throughput approach for studying dyslipidemia in rodent models. <i>Journal of Lipid Research</i> , 2013, 54, 276-281.	2.0	13
58	² H ² O-Based High-Density Lipoprotein Turnover Method for the Assessment of Dynamic High-Density Lipoprotein Function in Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 1994-2003.	1.1	31
59	Measurement of apo(a) kinetics in human subjects using a microfluidic device with tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 1294-1302.	0.7	31
60	Demonstration of diet-induced decoupling of fatty acid and cholesterol synthesis by combining gene expression array and ² H ² O quantification. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 302, E209-E217.	1.8	18
61	Quantifying apoprotein synthesis in rodents: coupling LC-MS/MS analyses with the administration of labeled water. <i>Journal of Lipid Research</i> , 2012, 53, 1223-1231.	2.0	23
62	Plasma Proteome Dynamics: Analysis of Lipoproteins and Acute Phase Response Proteins with ² H ₂ O Metabolic Labeling. <i>Molecular and Cellular Proteomics</i> , 2012, 11, M111.014209-1-M111.014209-16.	2.5	38
63	Measuring ² H ¹⁸ O Tracer Incorporation on a QQQ-MS Platform Provides a Rapid, Transferable Screening Tool for Relative Protein Synthesis. <i>Journal of Proteome Research</i> , 2012, 11, 1591-1597.	1.8	3
64	Acute resistance exercise augments integrative myofibrillar protein synthesis. <i>Metabolism: Clinical and Experimental</i> , 2012, 61, 153-156.	1.5	39
65	Identifying Static and Kinetic Lipid Phenotypes by High Resolution UPLC-MS: Unraveling Diet-Induced Changes in Lipid Homeostasis by Coupling Metabolomics and Fluxomics. <i>Journal of Proteome Research</i> , 2011, 10, 4281-4290.	1.8	38
66	FGF19 as a Postprandial, Insulin-Independent Activator of Hepatic Protein and Glycogen Synthesis. <i>Science</i> , 2011, 331, 1621-1624.	6.0	504
67	Attenuation of Slc27a5 Gene Expression Followed by LC-MS Measurement of Bile Acid Reconjugation Using Metabolomics and a Stable Isotope Tracer Strategy. <i>Journal of Proteome Research</i> , 2011, 10, 4683-4691.	1.8	6
68	Brain Insulin Controls Adipose Tissue Lipolysis and Lipogenesis. <i>Cell Metabolism</i> , 2011, 13, 183-194.	7.2	216
69	Localization of Fatty Acyl and Double Bond Positions in Phosphatidylcholines Using a Dual Stage CID Fragmentation Coupled with Ion Mobility Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 1552-1567.	1.2	104
70	Headspace analyses of ² H labeling of acetone: Enabling studies of fatty acid oxidation in vivo. <i>Analytical Biochemistry</i> , 2011, 408, 351-353.	1.1	10
71	Measuring protein synthesis using metabolic ² H labeling, high-resolution mass spectrometry, and an algorithm. <i>Analytical Biochemistry</i> , 2011, 412, 47-55.	1.1	64
72	Equilibration of ² H labeling between body water and free amino acids: Enabling studies of proteome synthesis. <i>Analytical Biochemistry</i> , 2011, 415, 197-199.	1.1	18

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73	In vivo D2O labeling to quantify static and dynamic changes in cholesterol and cholesterol esters by high resolution LC/MS. <i>Journal of Lipid Research</i> , 2011, 52, 159-169.	2.0	42
74	The use of stable-isotopically labeled oleic acid to interrogate lipid assembly in vivo: assessing pharmacological effects in preclinical species. <i>Journal of Lipid Research</i> , 2011, 52, 1150-1161.	2.0	34
75	Quantifying cholesterol synthesis in vivo using 2H2O: enabling back-to-back studies in the same subject. <i>Journal of Lipid Research</i> , 2011, 52, 1420-1428.	2.0	19
76	The application of 2H2O to measure skeletal muscle protein synthesis. <i>Nutrition and Metabolism</i> , 2010, 7, 31.	1.3	72
77	Headspace analyses of acetone: A rapid method for measuring the 2H-labeling of water. <i>Analytical Biochemistry</i> , 2010, 404, 235-237.	1.1	53
78	Impaired Glucose Tolerance and Predisposition to the Fasted State in Liver Glycogen Synthase Knock-out Mice. <i>Journal of Biological Chemistry</i> , 2010, 285, 12851-12861.	1.6	64
79	Triglyceride Synthesis in Epididymal Adipose Tissue. <i>Journal of Biological Chemistry</i> , 2009, 284, 6101-6108.	1.6	78
80	Measuring Proteome Dynamics in Vivo. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 2653-2663.	2.5	68
81	A comparison of 2H2O and phenylalanine flooding dose to investigate muscle protein synthesis with acute exercise in rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 297, E252-E259.	1.8	43
82	A novel approach for assessing protein synthesis in channel catfish, <i>Ictalurus punctatus</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2009, 154, 235-238.	0.7	23
83	Akt2 Is Required for Hepatic Lipid Accumulation in Models of Insulin Resistance. <i>Cell Metabolism</i> , 2009, 10, 405-418.	7.2	241
84	Is There Glucose Production Outside of the Liver and Kidney?. <i>Annual Review of Nutrition</i> , 2009, 29, 43-57.	4.3	37
85	Diet-induced obesity alters protein synthesis: tissue-specific effects in fasted versus fed mice. <i>Metabolism: Clinical and Experimental</i> , 2008, 57, 347-354.	1.5	69
86	Hormonal regulation of intracellular lipolysis in C57BL/6J mice: effect of diet-induced adiposity and data normalization. <i>Metabolism: Clinical and Experimental</i> , 2008, 57, 1405-1413.	1.5	5
87	Complicating factors in the application of the "average method" for determining the contribution of gluconeogenesis. <i>Journal of Applied Physiology</i> , 2008, 104, 1852-1853.	1.2	8
88	The assessment of in vivo protein synthesis following chronic resistance exercise using 2 H 2 O. <i>FASEB Journal</i> , 2008, 22, 91-91.	0.2	2
89	Chronic Ethanol and Triglyceride Turnover in White Adipose Tissue in Rats. <i>Journal of Biological Chemistry</i> , 2007, 282, 28465-28473.	1.6	92
90	Mice With a Deletion in the Gene for CCAAT/Enhancer-Binding Protein β Are Protected Against Diet-Induced Obesity. <i>Diabetes</i> , 2007, 56, 161-167.	0.3	96

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91	P134. Surgery for Obesity and Related Diseases, 2007, 3, 344.	1.0	0
92	Exposure to azide markedly decreases the abundance of mRNAs encoding cholesterol synthetic enzymes and inhibits cholesterol synthesis. Journal of Cellular Biochemistry, 2007, 100, 1034-1044.	1.2	3
93	Isotopologue distributions of peptide product ions by tandem mass spectrometry: Quantitation of low levels of deuterium incorporation. Analytical Biochemistry, 2007, 367, 40-48.	1.1	30
94	Inaccuracies in selected ion monitoring determination of isotope ratios obviated by profile acquisition: nucleotide 18O/16O measurements. Analytical Biochemistry, 2007, 367, 28-39.	1.1	17
95	Chronic Ethanol-Induced Insulin Resistance Is Associated With Macrophage Infiltration Into Adipose Tissue and Altered Expression of Adipocytokines. Alcoholism: Clinical and Experimental Research, 2007, 31, 1581-1588.	1.4	96
96	Re-evaluating the concentration dependence of isotope ratios measured via gas chromatography mass spectrometry (GCMS): Implications for protein turnover measurements. FASEB Journal, 2007, 21, A335.	0.2	1
97	Absence of intestinal gluconeogenesis in rats and dogs. FASEB Journal, 2007, 21, A1073.	0.2	2
98	Preserved Protein Synthesis in the Heart When Fasting Despite Reduction in Liver and Skeletal Muscle Protein. FASEB Journal, 2007, 21, A330.	0.2	0
99	Reproducibility of gas chromatography-mass spectrometry measurements of 2H labeling of water: Application for measuring body composition in mice. Analytical Biochemistry, 2006, 350, 171-176.	1.1	46
100	Metabolomic assays of the concentration and mass isotopomer distribution of gluconeogenic and citric acid cycle intermediates. Metabolomics, 2006, 2, 85-94.	1.4	28
101	Lipid-lowering actions of imidazoline antihypertensive agents in metabolic syndrome X. Naunyn-Schmiedeberg's Archives of Pharmacology, 2006, 372, 300-312.	1.4	20
102	Novel application of the "doubly labeled" water method: measuring CO2 production and the tissue-specific dynamics of lipid and protein in vivo. American Journal of Physiology - Endocrinology and Metabolism, 2006, 290, E1048-E1056.	1.8	34
103	Comparable, and extensive triglyceride turnover in white adipose tissue (WAT) of mice fed a Low-Fat High-Carbohydrate (LF) vs. High-fat carbohydrate-free diets: Evidence to support glyceroneogenesis?. FASEB Journal, 2006, 20, A861.	0.2	3
104	Assay of the concentration and 13C isotopic enrichment of gluconeogenic and citric acid cycle intermediates by gas chromatography-mass spectrometry. FASEB Journal, 2006, 20, A1466.	0.2	0
105	Exposure to azide markedly decreases mRNAs encoding cholesterol synthetic enzymes and inhibits cholesterol biosynthesis. FASEB Journal, 2006, 20, .	0.2	0
106	Effect of sampling interval on the use of "doubly labeled" water for measuring CO2 production. Analytical Biochemistry, 2005, 337, 343-346.	1.1	4
107	Using 2H2O to study the influence of feeding on protein synthesis: effect of isotope equilibration in vivo vs. in cell culture. American Journal of Physiology - Endocrinology and Metabolism, 2005, 288, E1277-E1283.	1.8	77
108	Quantifying rates of protein synthesis in humans by use of 2H2O: application to patients with end-stage renal disease. American Journal of Physiology - Endocrinology and Metabolism, 2004, 286, E665-E672.	1.8	81

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109	Using isotope tracers to study metabolism: application in mouse models. <i>Metabolic Engineering</i> , 2004, 6, 25-35.	3.6	37
110	Influence of diet on the modeling of adipose tissue triglycerides during growth. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003, 285, E917-E925.	1.8	83
111	Measuring gluconeogenesis using a low dose of $2\text{H}_2\text{O}$: advantage of isotope fractionation during gas chromatography. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003, 284, E1043-E1048.	1.8	29
112	Gas Chromatography-Mass Spectrometry Assay of the ^{18}O Enrichment of Water as Trimethyl Phosphate. <i>Analytical Biochemistry</i> , 2002, 306, 278-282.	1.1	22
113	Sources of blood glycerol during fasting. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2001, 281, E998-E1004.	1.8	46
114	Determination of the Enrichment of the Hydrogen Bound to Carbon 5 of Glucose on $2\text{H}_2\text{O}$ Administration. <i>Analytical Biochemistry</i> , 2001, 297, 195-197.	1.1	35
115	$^{13}\text{C}/^{31}\text{P}$ NMR Assessment of Mitochondrial Energy Coupling in Skeletal Muscle of Awake Fed and Fasted Rats. <i>Journal of Biological Chemistry</i> , 2000, 275, 39279-39286.	1.6	50
116	Contrasting Effects of IRS-1 Versus IRS-2 Gene Disruption on Carbohydrate and Lipid Metabolism in Vivo. <i>Journal of Biological Chemistry</i> , 2000, 275, 38990-38994.	1.6	247
117	Redistribution of substrates to adipose tissue promotes obesity in mice with selective insulin resistance in muscle. <i>Journal of Clinical Investigation</i> , 2000, 105, 1791-1797.	3.9	283
118	A critical evaluation of mass isotopomer distribution analysis of gluconeogenesis in vivo. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1999, 277, E154-E160.	1.8	33
119	Disruption of IRS-2 causes type 2 diabetes in mice. <i>Nature</i> , 1998, 391, 900-904.	13.7	1,607
120	Limitations of the Mass Isotopomer Distribution Analysis of Glucose to Study Gluconeogenesis. <i>Journal of Biological Chemistry</i> , 1998, 273, 16853-16859.	1.6	24
121	Limitations in estimating gluconeogenesis and Cori cycling from mass isotopomer distributions using $[\text{U-}^{13}\text{C}_6]$ glucose. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1998, 274, E954-E961.	1.8	19
122	Methods for measuring gluconeogenesis in vivo. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 1998, 1, 461-465.	1.3	27
123	Tracing Gluconeogenesis with Deuterated Water: Measurement of Low Deuterium Enrichments on Carbons 6 and 2 of Glucose. <i>Analytical Biochemistry</i> , 1997, 248, 158-167.	1.1	16
124	Correction of ^{13}C Mass Isotopomer Distributions for Natural Stable Isotope Abundance. , 1996, 31, 255-262.		347
125	Assay of the Deuterium Enrichment of Water via Acetylene. , 1996, 31, 639-642.		52
126	Assay of the ^{13}C and ^2H Mass Isotopomer Distribution of Phosphoenolpyruvate by Gas Chromatography/Mass Spectrometry. , 1996, 31, 643-648.		6

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127	Limitations of the Mass Isotopomer Distribution Analysis of Glucose to Study Gluconeogenesis. <i>Journal of Biological Chemistry</i> , 1995, 270, 19806-19815.	1.6	72
128	Mass spectrometric analysis of metabolite excretion in five Japanese patients with the late-onset form of glutaric aciduria type II. <i>Biological Mass Spectrometry</i> , 1991, 20, 479-483.	0.5	11
129	Prenatal Diagnosis and Neonatal Monitoring of a Fetus with Glutaric Aciduria Type II Due to Electron Transfer Flavoprotein (β^2 -Subunit) Deficiency. <i>Pediatric Research</i> , 1991, 30, 439-443.	1.1	24
130	Ethylmalonic/Adipic Aciduria: Effects of Oral Medium-Chain Triglycerides, Carnitine, and Glycine on Urinary Excretion of Organic Acids, Acylcarnitines, and Acylglycines. <i>Pediatric Research</i> , 1991, 30, 216-221.	1.1	27
131	Identification of 2-(2-oxooctenyl) succinic acid in urine. <i>Rapid Communications in Mass Spectrometry</i> , 1990, 4, 170-172.	0.7	5
132	Molecular Profiling Reveals a Common Metabolic Signature of Tissue Fibrosis. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
133	Protein and Amino Acid Kinetics. , 0, , 169-191.		1