

Charles Robert Flynn

List of Publications by Year in descending order

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49
papers

3,507
citations

172207

29
h-index

214527

47
g-index

49
all docs

49
docs citations

49
times ranked

5923
citing authors

#	ARTICLE	IF	CITATIONS
1	Sirt3-Mediated Deacetylation of Evolutionarily Conserved Lysine 122 Regulates MnSOD Activity in Response to Stress. <i>Molecular Cell</i> , 2010, 40, 893-904.	4.5	794
2	Proteomics Analysis of Human Skeletal Muscle Reveals Novel Abnormalities in Obesity and Type 2 Diabetes. <i>Diabetes</i> , 2010, 59, 33-42.	0.3	217
3	Hepatic TLR4 signaling in obese NAFLD. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 309, G270-G278.	1.6	180
4	SIRT3 Deacetylates ATP Synthase F ₁ Complex Proteins in Response to Nutrient- and Exercise-Induced Stress. <i>Antioxidants and Redox Signaling</i> , 2014, 21, 551-564.	2.5	159
5	Bile diversion to the distal small intestine has comparable metabolic benefits to bariatric surgery. <i>Nature Communications</i> , 2015, 6, 7715.	5.8	156
6	Mapping of sudden infant death with dysgenesis of the testes syndrome (SIDDT) by a SNP genome scan and identification of TSPYL loss of function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 11689-11694.	3.3	128
7	Role of Bile Acids and GLP-1 in Mediating the Metabolic Improvements of Bariatric Surgery. <i>Gastroenterology</i> , 2019, 156, 1041-1051.e4.	0.6	118
8	Characterization of the Human Skeletal Muscle Proteome by One-dimensional Gel Electrophoresis and HPLC-ESI-MS/MS. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 257-267.	2.5	105
9	Early Increases in Bile Acids Post Roux-en-Y Gastric Bypass Are Driven by Insulin-Sensitizing, Secondary Bile Acids. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, E1225-E1233.	1.8	101
10	Hepatic and Peripheral Insulin Sensitivity and Diabetes Remission at 1 Month After Roux-en-Y Gastric Bypass Surgery in Patients Randomized to Omentectomy. <i>Diabetes Care</i> , 2012, 35, 137-142.	4.3	99
11	Diverse Amino Acid Residues Function within the Type 1 Peroxisomal Targeting Signal (Implications for) Tj ETQq1 1 0.784314 rgBT /Ome 1997, 115, 881-889.	2.3	85
12	The small heat shock protein, HSPB6, in muscle function and disease. <i>Cell Stress and Chaperones</i> , 2010, 15, 1-11.	1.2	84
13	<i>In vivo</i> Phosphoproteome of Human Skeletal Muscle Revealed by Phosphopeptide Enrichment and HPLC-ESI-MS/MS. <i>Journal of Proteome Research</i> , 2009, 8, 4954-4965.	1.8	81
14	How are peroxisomes formed? The role of the endoplasmic reticulum and peroxins. <i>Trends in Plant Science</i> , 2001, 6, 256-261.	4.3	79
15	Sialylated endogenous glycoconjugates in plant cells. <i>Nature Biotechnology</i> , 2003, 21, 1470-1471.	9.4	75
16	Comparative Study of the Skin Penetration of Protein Transduction Domains and a Conjugated Peptide. <i>Pharmaceutical Research</i> , 2005, 22, 750-757.	1.7	75
17	A micro-RNA expression signature for human NAFLD progression. <i>Journal of Gastroenterology</i> , 2016, 51, 1022-1030.	2.3	74
18	Proteome profile of functional mitochondria from human skeletal muscle using one-dimensional gel electrophoresis and HPLC-ESI-MS/MS. <i>Journal of Proteomics</i> , 2009, 72, 1046-1060.	1.2	68

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19	The small heat shock-related protein, HSP20, is a cAMP-dependent protein kinase substrate that is involved in airway smooth muscle relaxation. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2008, 294, L69-L78.	1.3	66
20	Mutational analyses of a type 2 peroxisomal targeting signal that is capable of directing oligomeric protein import into tobacco BY-2 glyoxysomes. <i>Plant Journal</i> , 1998, 16, 709-720.	2.8	65
21	Global Assessment of Regulation of Phosphorylation of Insulin Receptor Substrate-1 by Insulin In Vivo in Human Muscle. <i>Diabetes</i> , 2007, 56, 1508-1516.	0.3	58
22	Cell Permeant Peptide Analogues of the Small Heat Shock Protein, HSP20, Reduce TGF- β 1-Induced CTGF Expression in Keloid Fibroblasts. <i>Journal of Investigative Dermatology</i> , 2009, 129, 590-598.	0.3	58
23	Differential Intrahepatic Phospholipid Zonation in Simple Steatosis and Nonalcoholic Steatohepatitis. <i>PLoS ONE</i> , 2013, 8, e57165.	1.1	57
24	Inhibition of HSP27 phosphorylation by a cell-permeant MAPKAP Kinase 2 inhibitor. <i>Biochemical and Biophysical Research Communications</i> , 2009, 382, 535-539.	1.0	46
25	Characterization of the Human Adipocyte Proteome and Reproducibility of Protein Abundance by One-Dimensional Gel Electrophoresis and HPLC-ESI-MS/MS. <i>Journal of Proteome Research</i> , 2010, 9, 4521-4534.	1.8	46
26	Regulation of Insulin Receptor Pathway and Glucose Metabolism by CD36 Signaling. <i>Diabetes</i> , 2018, 67, 1272-1284.	0.3	41
27	Hyperoxia Synergizes with Mutant Bone Morphogenetic Protein Receptor 2 to Cause Metabolic Stress, Oxidant Injury, and Pulmonary Hypertension. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013, 49, 778-787.	1.4	38
28	Reduction in Inflammatory Gene Expression in Skeletal Muscle from Roux-en-Y Gastric Bypass Patients Randomized to Omentectomy. <i>PLoS ONE</i> , 2011, 6, e28577.	1.1	35
29	Bile diversion, a bariatric surgery, and bile acid signaling reduce central cocaine reward. <i>PLoS Biology</i> , 2018, 16, e2006682.	2.6	32
30	Compartmentalization of the plant peroxin, AtPex10p, within subdomain(s) of ER. <i>Plant Science</i> , 2005, 168, 635-652.	1.7	30
31	A Post-Developmental Genetic Screen for Zebrafish Models of Inherited Liver Disease. <i>PLoS ONE</i> , 2015, 10, e0125980.	1.1	30
32	Transduction of phosphorylated heat shock-related protein 20, HSP20, prevents vasospasm of human umbilical artery smooth muscle. <i>Journal of Applied Physiology</i> , 2005, 98, 1836-1845.	1.2	28
33	Internalization and Intracellular Trafficking of a PTD-Conjugated Anti-Fibrotic Peptide, AZX100, in Human Dermal Keloid Fibroblasts. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 3100-3121.	1.6	26
34	A novel cell permeant peptide inhibitor of MAPKAP kinase II inhibits intimal hyperplasia in a human saphenous vein organ culture model. <i>Journal of Vascular Surgery</i> , 2010, 52, 1596-1607.	0.6	21
35	Statistical strategies for microRNAseq batch effect reduction. <i>Translational Cancer Research</i> , 2014, 3, 260-265.	0.4	19
36	Connectivity Map Analysis of Nonsense-Mediated Decay-Positive <i>BMPR2</i> -Related Hereditary Pulmonary Arterial Hypertension Provides Insights into Disease Penetrance. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2012, 47, 20-27.	1.4	16

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37	Effects of Proximal Gut Bypass on Glucose Tolerance and Insulin Sensitivity in Humans. <i>Diabetes Care</i> , 2013, 36, e57-e57.	4.3	16
38	Impact of a living mulch cover crop on sugarbeet establishment, root yield and sucrose purity. <i>Field Crops Research</i> , 2018, 223, 150-154.	2.3	13
39	Collision Cross Section Conformational Analyses of Bile Acids via Ion Mobility–Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1625-1631.	1.2	13
40	Phosphorylation and activation of a transducible recombinant form of human HSP20 in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2007, 52, 50-58.	0.6	12
41	Non-alcoholic fatty liver disease phosphoproteomics: A functional piece of the precision puzzle. <i>Hepatology Research</i> , 2017, 47, 1469-1483.	1.8	12
42	Peroxisome biogenesis and the formation of multivesicular peroxisomes during tombusvirus infection: a role for ESCRT? This review is one of a selection of papers published in the Special Issue on Plant Cell Biology. <i>Canadian Journal of Botany</i> , 2006, 84, 551-564.	1.2	11
43	Lipoprotein Profiles in Class III Obese Caucasian and African American Women with Nonalcoholic Fatty Liver Disease. <i>PLoS ONE</i> , 2015, 10, e0142676.	1.1	10
44	CD36 Modulates Fasting and Preabsorptive Hormone and Bile Acid Levels. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 1856-1866.	1.8	9
45	Utilizing Untargeted Ion Mobility-Mass Spectrometry To Profile Changes in the Gut Metabolome Following Biliary Diversion Surgery. <i>Analytical Chemistry</i> , 2019, 91, 14417-14423.	3.2	9
46	Intestinal Lymph Collection via Cannulation of the Mesenteric Lymphatic Duct in Mice. <i>Journal of Surgical Research</i> , 2021, 260, 399-408.	0.8	7
47	Pro-inflammatory HDL in women with obesity and nonalcoholic steatohepatitis. <i>Obesity Research and Clinical Practice</i> , 2020, 14, 333-338.	0.8	3
48	Caloric Restriction and Weight Loss Are Primary Factors in the Early Tissue-Specific Metabolic Changes After Bariatric Surgery. <i>Diabetes Care</i> , 0, , .	4.3	2
49	Cell-permeant peptide inhibitors of vasospasm and intimal hyperplasia. <i>Vascular</i> , 2013, 21, 46-53.	0.4	0