Scott B Crown

List of Publications by Year
in descending order

16 papers	1,199 citations	686830 13 h-index	940134 16 g-index
18 all docs	18 docs citations	18 times ranked	1942 citing authors

#	Article	IF	Citations
1	Disruption of STIM1-mediated Ca2+ sensing and energy metabolism in adult skeletal muscle compromises exercise tolerance, proteostasis, and lean mass. Molecular Metabolism, 2022, 57, 101429.	3.0	6
2	Statin therapy inhibits fatty acid synthase via dynamic protein modifications. Nature Communications, 2022, 13, 2542.	5.8	7
3	Branched-chain Î±-ketoacids are preferentially reaminated and activate protein synthesis in the heart. Nature Communications, 2021, 12, 1680.	5.8	45
4	Metabolic flexibility via mitochondrial BCAA carrier SLC25A44 is required for optimal fever. ELife, 2021, 10, .	2.8	15
5	Disruption of Acetyl-Lysine Turnover in Muscle Mitochondria Promotes Insulin Resistance and Redox Stress without Overt Respiratory Dysfunction. Cell Metabolism, 2020, 31, 131-147.e11.	7.2	41
6	Muscle-Liver Trafficking of BCAA-Derived Nitrogen Underlies Obesity-Related Glycine Depletion. Cell Reports, 2020, 33, 108375.	2.9	49
7	Lipids Reprogram Metabolism to Become a Major Carbon Source for Histone Acetylation. Cell Reports, 2016, 17, 1463-1472.	2.9	266
8	Evidence for transketolase-like TKTL1 flux in CHO cells based on parallel labeling experiments and 13 C-metabolic flux analysis. Metabolic Engineering, 2016, 37, 72-78.	3.6	37
9	Optimal tracers for parallel labeling experiments and 13C metabolic flux analysis: A new precision and synergy scoring system. Metabolic Engineering, 2016, 38, 10-18.	3.6	68
10	Catabolism of Branched Chain Amino Acids Contributes Significantly to Synthesis of Odd-Chain and Even-Chain Fatty Acids in 3T3-L1 Adipocytes. PLoS ONE, 2015, 10, e0145850.	1.1	153
11	Integrated 13 C-metabolic flux analysis of 14 parallel labeling experiments in Escherichia coli. Metabolic Engineering, 2015, 28, 151-158.	3.6	94
12	Publishing 13C metabolic flux analysis studies: A review and future perspectives. Metabolic Engineering, 2013, 20, 42-48.	3.6	91
13	Parallel labeling experiments and metabolic flux analysis: Past, present and future methodologies. Metabolic Engineering, 2013, 16, 21-32.	3.6	73
14	Rational design of 13C-labeling experiments for metabolic flux analysis in mammalian cells. BMC Systems Biology, 2012, 6, 43.	3.0	93
15	Selection of tracers for 13C-Metabolic Flux Analysis using Elementary Metabolite Units (EMU) basis vector methodology. Metabolic Engineering, 2012, 14, 150-161.	3.6	78
16	Resolving the TCA cycle and pentoseâ€phosphate pathway of Clostridium acetobutylicum ATCC 824: Isotopomer analysis, in vitro activities and expression analysis. Biotechnology Journal, 2011, 6, 300-305.	1.8	82