

Scott B Crown

List of Publications by Year in descending order

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Version: 2024-02-01

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