Karen van Eunen

List of Publications by Year in descending order

20 papers	4,938 citations	471509 17 h-index	752698 20 g-index
20 all docs	20 docs citations	20 times ranked	9466 citing authors

#	Article	IF	Citations
1	The role of short-chain fatty acids in the interplay between diet, gut microbiota, and host energy metabolism. Journal of Lipid Research, 2013, 54, 2325-2340.	4.2	3,292
2	Short-Chain Fatty Acids Protect Against High-Fat Dietâ€“Induced Obesity via a PPARÎ³-Dependent Switch From Lipogenesis to Fat Oxidation. Diabetes, 2015, 64, 2398-2408.	0.6	734
3	Measuring enzyme activities under standardized inâ€ƒvivoâ€like conditions for systems biology. FEBS Journal, 2010, 277, 749-760.	4.7	147
4	A systems study reveals concurrent activation of AMPK and mTOR by amino acids. Nature Communications, 2016, 7, 13254.	12.8	113
5	Protection against the Metabolic Syndrome by Guar Gum-Derived Short-Chain Fatty Acids Depends on Peroxisome Proliferator-Activated Receptor Î³ and Glucagon-Like Peptide-1. PLoS ONE, 2015, 10, e0136364.	2.5	97
6	Testing Biochemistry Revisited: How In Vivo Metabolism Can Be Understood from In Vitro Enzyme Kinetics. PLoS Computational Biology, 2012, 8, e1002483.	3.2	88
7	The Short-Chain Fatty Acid Uptake Fluxes by Mice on a Guar Gum Supplemented Diet Associate with Amelioration of Major Biomarkers of the Metabolic Syndrome. PLoS ONE, 2014, 9, e107392.	2.5	63
8	Molecular mechanisms of mTOR regulation by stress. Molecular and Cellular Oncology, 2015, 2, e970489.	0.7	62
9	Biochemical Competition Makes Fatty-Acid Î²-Oxidation Vulnerable to Substrate Overload. PLoS Computational Biology, 2013, 9, e1003186.	3.2	58
10	Translational Targeted Proteomics Profiling of Mitochondrial Energy Metabolic Pathways in Mouse and Human Samples. Journal of Proteome Research, 2016, 15, 3204-3213.	3.7	40
11	The importance and challenges of in vivo-like enzyme kinetics. Perspectives in Science, 2014, 1, 126-130.	0.6	39
12	Metabolic regulation rather than de novo enzyme synthesis dominates the osmoâ€adaptation of yeast. Yeast, 2011, 28, 43-53.	1.7	37
13	Oncogenic Î²-catenin and PIK3CA instruct network states and cancer phenotypes in intestinal organoids. Journal of Cell Biology, 2017, 216, 1567-1577.	5.2	29
14	Living on the edge: substrate competition explains loss of robustness in mitochondrial fatty-acid oxidation disorders. BMC Biology, 2016, 14, 107.	3.8	27
15	Simultaneous Induction of Glycolysis and Oxidative Phosphorylation during Activation of Hepatic Stellate Cells Reveals Novel Mitochondrial Targets to Treat Liver Fibrosis. Cells, 2020, 9, 2456.	4.1	25
16	Timeâ€dependent regulation analysis dissects shifts between metabolic and geneâ€expression regulation during nitrogen starvation in bakerâ€™s yeast. FEBS Journal, 2009, 276, 5521-5536.	4.7	24
17	The promiscuous enzyme medium-chain 3-keto-acyl-CoA thiolase triggers a vicious cycle in fatty-acid beta-oxidation. PLoS Computational Biology, 2017, 13, e1005461.	3.2	23
18	The discovAIR project: a roadmap towards the Human Lung Cell Atlas. European Respiratory Journal, 2022, 60, 2102057.	6.7	15

#	Article	IF	Citations
19	Impaired <scp>Veryâ€Lowâ€Density Lipoprotein</scp> catabolism links hypoglycemia to hypertriglyceridemia in Glycogen Storage Disease typeÂIa. Journal of Inherited Metabolic Disease, 2021, 44, 879-892.	3.6	13
20	Quantitative Analysis of Flux Regulation Through Hierarchical Regulation Analysis. Methods in Enzymology, 2011, 500, 571-595.	1.0	12