

# Karen van Eunen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/288508/publications.pdf>

Version: 2024-02-01

20  
papers

4,938  
citations

471061

17  
h-index

752256

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. <i>Journal of Lipid Research</i> , 2013, 54, 2325-2340.	2.0	3,292
2	Short-Chain Fatty Acids Protect Against High-Fat Diet-Induced Obesity via a PPAR $\beta$ -Dependent Switch From Lipogenesis to Fat Oxidation. <i>Diabetes</i> , 2015, 64, 2398-2408.	0.3	734
3	Measuring enzyme activities under standardized <i>in vivo</i> -like conditions for systems biology. <i>FEBS Journal</i> , 2010, 277, 749-760.	2.2	147
4	A systems study reveals concurrent activation of AMPK and mTOR by amino acids. <i>Nature Communications</i> , 2016, 7, 13254.	5.8	113
5	Protection against the Metabolic Syndrome by Guar Gum-Derived Short-Chain Fatty Acids Depends on Peroxisome Proliferator-Activated Receptor $\beta$ and Glucagon-Like Peptide-1. <i>PLoS ONE</i> , 2015, 10, e0136364.	1.1	97
6	Testing Biochemistry Revisited: How In Vivo Metabolism Can Be Understood from In Vitro Enzyme Kinetics. <i>PLoS Computational Biology</i> , 2012, 8, e1002483.	1.5	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. <i>PLoS ONE</i> , 2014, 9, e107392.	1.1	63
8	Molecular mechanisms of mTOR regulation by stress. <i>Molecular and Cellular Oncology</i> , 2015, 2, e970489.	0.3	62
9	Biochemical Competition Makes Fatty-Acid $\beta$ -Oxidation Vulnerable to Substrate Overload. <i>PLoS Computational Biology</i> , 2013, 9, e1003186.	1.5	58
10	Translational Targeted Proteomics Profiling of Mitochondrial Energy Metabolic Pathways in Mouse and Human Samples. <i>Journal of Proteome Research</i> , 2016, 15, 3204-3213.	1.8	40
11	The importance and challenges of in vivo-like enzyme kinetics. <i>Perspectives in Science</i> , 2014, 1, 126-130.	0.6	39
12	Metabolic regulation rather than <i>de novo</i> enzyme synthesis dominates the osmotic adaptation of yeast. <i>Yeast</i> , 2011, 28, 43-53.	0.8	37
13	Oncogenic $\beta$ -catenin and PIK3CA instruct network states and cancer phenotypes in intestinal organoids. <i>Journal of Cell Biology</i> , 2017, 216, 1567-1577.	2.3	29
14	Living on the edge: substrate competition explains loss of robustness in mitochondrial fatty-acid oxidation disorders. <i>BMC Biology</i> , 2016, 14, 107.	1.7	27
15	Simultaneous Induction of Glycolysis and Oxidative Phosphorylation during Activation of Hepatic Stellate Cells Reveals Novel Mitochondrial Targets to Treat Liver Fibrosis. <i>Cells</i> , 2020, 9, 2456.	1.8	25
16	Time-dependent regulation analysis dissects shifts between metabolic and gene expression regulation during nitrogen starvation in baker's yeast. <i>FEBS Journal</i> , 2009, 276, 5521-5536.	2.2	24
17	The promiscuous enzyme medium-chain 3-keto-acyl-CoA thiolase triggers a vicious cycle in fatty-acid beta-oxidation. <i>PLoS Computational Biology</i> , 2017, 13, e1005461.	1.5	23
18	The discovAIR project: a roadmap towards the Human Lung Cell Atlas. <i>European Respiratory Journal</i> , 2022, 60, 2102057.	3.1	15

#	ARTICLE	IF	CITATIONS
19	Impaired <scp>Veryâ€Lowâ€Density Lipoprotein</scp> catabolism links hypoglycemia to hypertriglyceridemia in Glycogen Storage Disease typeâ€A. Journal of Inherited Metabolic Disease, 2021, 44, 879-892.	1.7	13
20	Quantitative Analysis of Flux Regulation Through Hierarchical Regulation Analysis. Methods in Enzymology, 2011, 500, 571-595.	0.4	12