

# Vincent C J De Boer

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

3,570  
citations

201674

27  
h-index

233421

45  
g-index

47  
all docs

47  
docs citations

47  
times ranked

6599  
citing authors

#	ARTICLE	IF	CITATIONS
1	The female mouse is resistant to mild vitamin B3 deficiency. <i>European Journal of Nutrition</i> , 2022, 61, 329-340.	3.9	5
2	Extracellular flux analyses reveal differences in mitochondrial PBMC metabolism between high-fit and low-fit females. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2022, 322, E141-E153.	3.5	8
3	Increased protein propionylation contributes to mitochondrial dysfunction in liver cells and fibroblasts, but not in myotubes. <i>Journal of Inherited Metabolic Disease</i> , 2021, 44, 438-449.	3.6	11
4	Novel standardized method for extracellular flux analysis of oxidative and glycolytic metabolism in peripheral blood mononuclear cells. <i>Scientific Reports</i> , 2021, 11, 1662.	3.3	15
5	Muscle mitochondrial capacity in high- and low-fitness females using near-infrared spectroscopy. <i>Physiological Reports</i> , 2021, 9, e14838.	1.7	10
6	Propionate hampers differentiation and modifies histone propionylation and acetylation in skeletal muscle cells. <i>Mechanisms of Ageing and Development</i> , 2021, 196, 111495.	4.6	15
7	Matrisome, innervation and oxidative metabolism affected in older compared with younger males with similar physical activity. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021, 12, 1214-1231.	7.3	7
8	OCRbayes: A Bayesian hierarchical modeling framework for Seahorse extracellular flux oxygen consumption rate data analysis. <i>PLoS ONE</i> , 2021, 16, e0253926.	2.5	1
9	Mitochondrial and glycolytic extracellular flux analysis optimization for isolated pig intestinal epithelial cells. <i>Scientific Reports</i> , 2021, 11, 19961.	3.3	8
10	Butyrate Alters Pyruvate Flux and Induces Lipid Accumulation in Cultured Colonocytes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10937.	4.1	4
11	The Effect of a Single Bout of Exercise on Vitamin B2 Status Is Not Different between High- and Low-Fit Females. <i>Nutrients</i> , 2021, 13, 4097.	4.1	4
12	In vivo assessment of mitochondrial capacity using NIRS in locomotor muscles of young and elderly males with similar physical activity levels. <i>GeroScience</i> , 2020, 42, 299-310.	4.6	29
13	An optimized desuccinylase activity assay reveals a difference in desuccinylation activity between proliferative and differentiated cells. <i>Scientific Reports</i> , 2020, 10, 17030.	3.3	3
14	Fish Macrophages Show Distinct Metabolic Signatures Upon Polarization. <i>Frontiers in Immunology</i> , 2020, 11, 152.	4.8	44
15	The Molecular and Physiological Effects of Protein-Derived Polyamines in the Intestine. <i>Nutrients</i> , 2020, 12, 197.	4.1	49
16	High Dose of Dietary Nicotinamide Riboside Induces Glucose Intolerance and White Adipose Tissue Dysfunction in Mice Fed a Mildly Obesogenic Diet. <i>Nutrients</i> , 2019, 11, 2439.	4.1	27
17	In vivo assessment of muscle mitochondrial function in healthy, young males in relation to parameters of aerobic fitness. <i>European Journal of Applied Physiology</i> , 2019, 119, 1799-1808.	2.5	29
18	Transcriptional Response of White Adipose Tissue to Withdrawal of Vitamin B3. <i>Molecular Nutrition and Food Research</i> , 2019, 63, 1801100.	3.3	7

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19	Mito-Nuclear Communication by Mitochondrial Metabolites and Its Regulation by B-Vitamins. <i>Frontiers in Physiology</i> , 2019, 10, 78.	2.8	38
20	Severe riboflavin deficiency induces alterations in the hepatic proteome of starter Pekin ducks. <i>British Journal of Nutrition</i> , 2017, 118, 641-650.	2.3	17
21	Mitochondrial ATP Depletion Disrupts Caco-2 Monolayer Integrity and Internalizes Claudin 7. <i>Frontiers in Physiology</i> , 2017, 8, 794.	2.8	49
22	Protein Lysine Acylation: Abundance, Dynamics and Function. , 2016, , 41-69.		1
23	Effect of Hyperglycemia on Gene Expression during Early Organogenesis in Mice. <i>PLoS ONE</i> , 2016, 11, e0158035.	2.5	14
24	SIRT1/PGC1 $\alpha$ -Dependent Increase in Oxidative Phosphorylation Supports Chemotherapy Resistance of Colon Cancer. <i>Clinical Cancer Research</i> , 2015, 21, 2870-2879.	7.0	151
25	Proteomic and Biochemical Studies of Lysine Malonylation Suggest Its Malonic Aciduria-associated Regulatory Role in Mitochondrial Function and Fatty Acid Oxidation. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 3056-3071.	3.8	143
26	Inhibiting epigenetic enzymes to improve atherogenic macrophage functions. <i>Biochemical and Biophysical Research Communications</i> , 2014, 455, 396-402.	2.1	66
27	A computational study of the Warburg effect identifies metabolic targets inhibiting cancer migration. <i>Molecular Systems Biology</i> , 2014, 10, 744.	7.2	113
28	Aberrant protein acylation is a common observation in inborn errors of acyl-CoA metabolism. <i>Journal of Inherited Metabolic Disease</i> , 2014, 37, 709-714.	3.6	65
29	Mitochondrial protein acetylation is driven by acetyl-CoA from fatty acid oxidation. <i>Human Molecular Genetics</i> , 2014, 23, 3513-3522.	2.9	140
30	A Mitochondrial Expatriate: Nuclear Pyruvate Dehydrogenase. <i>Cell</i> , 2014, 158, 9-10.	28.9	30
31	SIRT4 Represses Peroxisome Proliferator-Activated Receptor $\alpha$ Activity To Suppress Hepatic Fat Oxidation. <i>Molecular and Cellular Biology</i> , 2013, 33, 4552-4561.	2.3	132
32	SIRT4 Coordinates the Balance between Lipid Synthesis and Catabolism by Repressing Malonyl CoA Decarboxylase. <i>Molecular Cell</i> , 2013, 50, 686-698.	9.7	315
33	Muscle or liver-specific Sirt3 deficiency induces hyperacetylation of mitochondrial proteins without affecting global metabolic homeostasis. <i>Scientific Reports</i> , 2012, 2, 425.	3.3	126
34	Systemic Elevation of PTEN Induces a Tumor-Suppressive Metabolic State. <i>Cell</i> , 2012, 149, 49-62.	28.9	339
35	A metabolic prosurvival role for PML in breast cancer. <i>Journal of Clinical Investigation</i> , 2012, 122, 3088-3100.	8.2	220
36	Quercetin reduces markers of oxidative stress and inflammation in sarcoidosis. <i>Clinical Nutrition</i> , 2011, 30, 506-512.	5.0	191

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37	Transcriptome and proteome profiling of colon mucosa from quercetin fed F344 rats point to tumor preventive mechanisms, increased mitochondrial fatty acid degradation and decreased glycolysis. <i>Proteomics</i> , 2008, 8, 45-61.	2.2	68
38	Tissue Distribution of Quercetin in Pigs after Long-Term Dietary Supplementation. <i>Journal of Nutrition</i> , 2008, 138, 1417-1420.	2.9	150
39	Impact of multiple genetic polymorphisms on effects of a 4-week blueberry juice intervention on ex vivo induced lymphocytic DNA damage in human volunteers. <i>Carcinogenesis</i> , 2007, 28, 1800-1806.	2.8	68
40	Assessment of reducing RNA input for Agilent oligo microarrays. <i>Analytical Biochemistry</i> , 2007, 363, 315-317.	2.4	40
41	Quercetin, but Not Its Glycosidated Conjugate Rutin, Inhibits Azoxymethane-Induced Colorectal Carcinogenesis in F344 Rats., <i>Journal of Nutrition</i> , 2006, 136, 2862-2867.	2.9	71
42	Chronic quercetin exposure affects fatty acid catabolism in rat lung. <i>Cellular and Molecular Life Sciences</i> , 2006, 63, 2847-2858.	5.4	52
43	SIRT1 stimulation by polyphenols is affected by their stability and metabolism. <i>Mechanisms of Ageing and Development</i> , 2006, 127, 618-627.	4.6	148
44	Tissue Distribution of Quercetin in Rats and Pigs. <i>Journal of Nutrition</i> , 2005, 135, 1718-1725.	2.9	403
45	Breast Cancer Resistance Protein (Bcrp1/Abcg2) Limits Net Intestinal Uptake of Quercetin in Rats by Facilitating Apical Efflux of Glucuronides. <i>Molecular Pharmacology</i> , 2005, 67, 1999-2006.	2.3	108
46	Extraction of Isoflavone Malonylglucosides from <i>Trifolium pratense</i> L.. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 4660-4666.	5.2	36