

# John C Newman

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

5,772  
citations

331670

21  
h-index

361022

35  
g-index

38  
all docs

38  
docs citations

38  
times ranked

8561  
citing authors

#	ARTICLE	IF	CITATIONS
1	Suppression of Oxidative Stress by $\hat{1}^2$ -Hydroxybutyrate, an Endogenous Histone Deacetylase Inhibitor. <i>Science</i> , 2013, 339, 211-214.	12.6	1,264
2	Ketone bodies as signaling metabolites. <i>Trends in Endocrinology and Metabolism</i> , 2014, 25, 42-52.	7.1	708
3	SIRT5 Regulates the Mitochondrial Lysine Succinylome and Metabolic Networks. <i>Cell Metabolism</i> , 2013, 18, 920-933.	16.2	549
4	$\hat{1}^2$ -Hydroxybutyrate: A Signaling Metabolite. <i>Annual Review of Nutrition</i> , 2017, 37, 51-76.	10.1	478
5	Label-free quantitative proteomics of the lysine acetylome in mitochondria identifies substrates of SIRT3 in metabolic pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 6601-6606.	7.1	414
6	Ketogenic Diet Reduces Midlife Mortality and Improves Memory in Aging Mice. <i>Cell Metabolism</i> , 2017, 26, 547-557.e8.	16.2	333
7	Ketogenic Diets Alter the Gut Microbiome Resulting in Decreased Intestinal Th17 Cells. <i>Cell</i> , 2020, 181, 1263-1275.e16.	28.9	292
8	$\hat{1}^2$ -hydroxybutyrate: Much more than a metabolite. <i>Diabetes Research and Clinical Practice</i> , 2014, 106, 173-181.	2.8	239
9	Mitochondrial sirtuins: regulators of protein acylation and metabolism. <i>Trends in Endocrinology and Metabolism</i> , 2012, 23, 467-476.	7.1	231
10	Senescent cells promote tissue NAD <sup>+</sup> decline during ageing via the activation of CD38 <sup>+</sup> macrophages. <i>Nature Metabolism</i> , 2020, 2, 1265-1283.	11.9	206
11	Mitochondrial Protein Acylation and Intermediary Metabolism: Regulation by Sirtuins and Implications for Metabolic Disease. <i>Journal of Biological Chemistry</i> , 2012, 287, 42436-42443.	3.4	187
12	Cockayne syndrome group B protein (CSB) plays a general role in chromatin maintenance and remodeling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 9613-9618.	7.1	141
13	Strategies and Challenges in Clinical Trials Targeting Human Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016, 71, 1424-1434.	3.6	111
14	Ketone Ester Treatment Improves Cardiac Function and Reduces Pathologic Remodeling in Preclinical Models of Heart Failure. <i>Circulation: Heart Failure</i> , 2021, 14, e007684.	3.9	87
15	An Abundant Evolutionarily Conserved CSB-PiggyBac Fusion Protein Expressed in Cockayne Syndrome. <i>PLoS Genetics</i> , 2008, 4, e1000031.	3.5	80
16	Collaborative Delirium Prevention in the Age of COVID-19. <i>Journal of the American Geriatrics Society</i> , 2020, 68, 947-949.	2.6	78
17	Copyright and Open Access at the Bedside. <i>New England Journal of Medicine</i> , 2011, 365, 2447-2449.	27.0	71
18	Frameworks for Proof-of-Concept Clinical Trials of Interventions That Target Fundamental Aging Processes. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016, 71, 1415-1423.	3.6	66

#	ARTICLE	IF	CITATIONS
19	Investigating Ketone Bodies as Immunometabolic Countermeasures against Respiratory Viral Infections. <i>Med</i> , 2020, 1, 43-65.	4.4	40
20	SUCLA2 mutations cause global protein succinylation contributing to the pathomechanism of a hereditary mitochondrial disease. <i>Nature Communications</i> , 2020, 11, 5927.	12.8	35
21	Copyright and Bedside Cognitive Testing. <i>JAMA Internal Medicine</i> , 2015, 175, 1459.	5.1	27
22	Tolerability and Safety of a Novel Ketogenic Ester, Bis-Hexanoyl (R)-1,3-Butanediol: A Randomized Controlled Trial in Healthy Adults. <i>Nutrients</i> , 2021, 13, 2066.	4.1	17
23	In vitro stability and in vivo pharmacokinetics of the novel ketogenic ester, bis hexanoyl (R)-1,3-butanediol. <i>Food and Chemical Toxicology</i> , 2021, 147, 111859.	3.6	16
24	From bedside to battlefield: intersection of ketone body mechanisms in geroscience with military resilience. <i>GeroScience</i> , 2021, 43, 1071-1081.	4.6	14
25	Creating the Next Generation of Translational Geroscientists. <i>Journal of the American Geriatrics Society</i> , 2019, 67, 1934-1939.	2.6	13
26	Outcomes Following Implementation of a Hospital-Wide, Multicomponent Delirium Care Pathway. <i>Journal of Hospital Medicine</i> , 2021, 16, 397-403.	1.4	13
27	COVID-19 severity and age increase the odds of delirium in hospitalized adults with confirmed SARS-CoV-2 infection: a cohort study. <i>BMC Psychiatry</i> , 2022, 22, 151.	2.6	11
28	Assessment of Frailty and Association With Progression of Benign Prostatic Hyperplasia Symptoms and Serious Adverse Events Among Men Using Drug Therapy. <i>JAMA Network Open</i> , 2021, 4, e2134427.	5.9	10
29	Ketogenic diet and adipose tissue inflammation— a simple story? <i>Fat chance!</i> . <i>Nature Metabolism</i> , 2020, 2, 3-4.	11.9	9
30	Bis Hexanoyl (R)-1,3-Butanediol, a Novel Ketogenic Ester, Acutely Increases Circulating $\alpha$ -Hydroxybutyrate Concentrations in Healthy Adults. , 2023, 42, 169-177.		9
31	Copyright at the Bedside: Should We Stop the Spread?. <i>Stanford Technology Law Review</i> , 2013, 16, 623-655.	1.0	4
32	Dextromethorphan-Quinidine for Agitation in Alzheimer Disease. <i>JAMA - Journal of the American Medical Association</i> , 2016, 315, 1166.	7.4	3
33	Measuring the Immeasurable. <i>Molecular Cell</i> , 2002, 10, 437-439.	9.7	2
34	Toxicological evaluation of the ketogenic ester bis hexanoyl (R)-1,3-butanediol: Subchronic toxicity in Sprague Dawley rats. <i>Food and Chemical Toxicology</i> , 2021, 150, 112084.	3.6	2
35	Interpreting Geroscience-Guided Biomarker Studies. <i>JAMA Internal Medicine</i> , 2022, 182, 300.	5.1	1