

# Glenn C Rowe

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

50 papers	3,717 citations	27 h-index	53 g-index
53 ext. papers	4,457 ext. citations	10.9 avg, IF	4.82 L-index

#	Paper	IF	Citations
50	Oncogenic BRAF regulates oxidative metabolism via PGC1 $\beta$ and MITF. <i>Cancer Cell</i> , <b>2013</b> , 23, 302-15	24.3	539
49	Cardiac angiogenic imbalance leads to peripartum cardiomyopathy. <i>Nature</i> , <b>2012</b> , 485, 333-8	50.4	348
48	PGC-1 $\beta$ promotes recovery after acute kidney injury during systemic inflammation in mice. <i>Journal of Clinical Investigation</i> , <b>2011</b> , 121, 4003-14	15.9	303
47	A branched-chain amino acid metabolite drives vascular fatty acid transport and causes insulin resistance. <i>Nature Medicine</i> , <b>2016</b> , 22, 421-6	50.5	283
46	Metabolic signatures of exercise in human plasma. <i>Science Translational Medicine</i> , <b>2010</b> , 2, 33ra37	17.5	276
45	The transcriptional coactivator PGC-1 $\alpha$ mediates exercise-induced angiogenesis in skeletal muscle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 21401-6	11.5	272
44	PGC-1 coactivators in cardiac development and disease. <i>Circulation Research</i> , <b>2010</b> , 107, 825-38	15.7	241
43	Endonuclease G is a novel determinant of cardiac hypertrophy and mitochondrial function. <i>Nature</i> , <b>2011</b> , 478, 114-8	50.4	114
42	miR-29b contributes to multiple types of muscle atrophy. <i>Nature Communications</i> , <b>2017</b> , 8, 15201	17.4	102
41	PGC-1 $\beta$ is dispensable for exercise-induced mitochondrial biogenesis in skeletal muscle. <i>PLoS ONE</i> , <b>2012</b> , 7, e41817	3.7	89
40	Skeletal muscle transcriptional coactivator PGC-1 $\beta$ mediates mitochondrial, but not metabolic, changes during calorie restriction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 2931-6	11.5	85
39	Disconnecting mitochondrial content from respiratory chain capacity in PGC-1-deficient skeletal muscle. <i>Cell Reports</i> , <b>2013</b> , 3, 1449-56	10.6	78
38	The tumor suppressor FLCN mediates an alternate mTOR pathway to regulate browning of adipose tissue. <i>Genes and Development</i> , <b>2016</b> , 30, 2551-2564	12.6	71
37	Running forward: new frontiers in endurance exercise biology. <i>Circulation</i> , <b>2014</b> , 129, 798-810	16.7	67
36	Zfp521 antagonizes Runx2, delays osteoblast differentiation in vitro, and promotes bone formation in vivo. <i>Bone</i> , <b>2009</b> , 44, 528-36	4.7	62
35	PGC-1 coactivators regulate MITF and the tanning response. <i>Molecular Cell</i> , <b>2013</b> , 49, 145-57	17.6	61
34	PGC-1 $\beta$ induces SPP1 to activate macrophages and orchestrate functional angiogenesis in skeletal muscle. <i>Circulation Research</i> , <b>2014</b> , 115, 504-17	15.7	57

33	PGC-1 $\alpha$ Induces Human RPE Oxidative Metabolism and Antioxidant Capacity <b>2016</b> , 57, 1038-51		54
32	Exercise-induced mitochondrial p53 repairs mtDNA mutations in mutator mice. <i>Skeletal Muscle</i> , <b>2016</b> , 6, 7	5.1	53
31	Hypoxic induction of vascular endothelial growth factor (VEGF) and angiogenesis in muscle by truncated peroxisome proliferator-activated receptor $\gamma$ coactivator (PGC)-1 $\alpha$ <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 8810-7	5.4	52
30	Integrative Analysis of PRKAG2 Cardiomyopathy iPS and Microtissue Models Identifies AMPK as a Regulator of Metabolism, Survival, and Fibrosis. <i>Cell Reports</i> , <b>2016</b> , 17, 3292-3304	10.6	51
29	PGC-1 $\alpha$ Regulates angiogenesis in skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2011</b> , 301, E155-63	6	39
28	Post-natal induction of PGC-1 $\alpha$ protects against severe muscle dystrophy independently of utrophin. <i>Skeletal Muscle</i> , <b>2014</b> , 4, 2	5.1	37
27	Genetic disruption of the cardiomyocyte circadian clock differentially influences insulin-mediated processes in the heart. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2017</b> , 110, 80-95	5.8	34
26	HDAC inhibition induces autophagy and mitochondrial biogenesis to maintain mitochondrial homeostasis during cardiac ischemia/reperfusion injury. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2019</b> , 130, 36-48	5.8	33
25	The TreadWheel: A Novel Apparatus to Measure Genetic Variation in Response to Gently Induced Exercise for Drosophila. <i>PLoS ONE</i> , <b>2016</b> , 11, e0164706	3.7	28
24	Doubly truncated FosB isoform (Delta2DeltaFosB) induces osteosclerosis in transgenic mice and modulates expression and phosphorylation of Smads in osteoblasts independent of intrinsic AP-1 activity. <i>Journal of Bone and Mineral Research</i> , <b>2008</b> , 23, 584-95	6.3	27
23	Adult skeletal muscle deletion of Mitofusin 1 and 2 impedes exercise performance and training capacity. <i>Journal of Applied Physiology</i> , <b>2019</b> , 126, 341-353	3.7	22
22	Adult expression of PGC-1 $\alpha$ and -1 $\beta$ in skeletal muscle is not required for endurance exercise-induced enhancement of exercise capacity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2016</b> , 311, E928-E938	6	21
21	Genetic models of PGC-1 and glucose metabolism and homeostasis. <i>Reviews in Endocrine and Metabolic Disorders</i> , <b>2014</b> , 15, 21-9	10.5	20
20	Neuronal hypothalamic regulation of body metabolism and bone density is galanin dependent. <i>Journal of Clinical Investigation</i> , <b>2018</b> , 128, 2626-2641	15.9	20
19	Increased energy expenditure and insulin sensitivity in the high bone mass DeltaFosB transgenic mice. <i>Endocrinology</i> , <b>2009</b> , 150, 135-43	4.8	19
18	PDK4 Inhibits Cardiac Pyruvate Oxidation in Late Pregnancy. <i>Circulation Research</i> , <b>2017</b> , 121, 1370-1378	15.7	17
17	Biotinylation: a novel posttranslational modification linking cell autonomous circadian clocks with metabolism. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2016</b> , 310, H1520-32	5.2	15
16	Energy expenditure and bone formation share a common sensitivity to AP-1 transcription in the hypothalamus. <i>Journal of Bone and Mineral Research</i> , <b>2012</b> , 27, 1649-58	6.3	14

15	Development of dilated cardiomyopathy and impaired calcium homeostasis with cardiac-specific deletion of ESRR $\alpha$ . <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2017</b> , 312, H662-H671	5.2	12
14	Cell-Specific Deletion of PGC-1 $\beta$ from Medium Spiny Neurons Causes Transcriptional Alterations and Age-Related Motor Impairment. <i>Journal of Neuroscience</i> , <b>2018</b> , 38, 3273-3286	6.6	12
13	Heme oxygenase and carbon monoxide protect from muscle dystrophy. <i>Skeletal Muscle</i> , <b>2016</b> , 6, 41	5.1	12
12	PRDM16 suppresses HIF-targeted gene expression in kidney cancer. <i>Journal of Experimental Medicine</i> , <b>2020</b> , 217,	16.6	11
11	Inhibition of lncRNA MAAT Controls Multiple Types of Muscle Atrophy by cis- and trans-Regulatory Actions. <i>Molecular Therapy</i> , <b>2021</b> , 29, 1102-1119	11.7	11
10	The Role of Lipopolysaccharide-Induced Extracellular Vesicles in Cardiac Cell Death. <i>Biology</i> , <b>2019</b> , 8,	4.9	10
9	Transcriptome-wide co-expression analysis identifies LRRC2 as a novel mediator of mitochondrial and cardiac function. <i>PLoS ONE</i> , <b>2017</b> , 12, e0170458	3.7	8
8	Age- and Genotype-Specific Effects of the Angiotensin-Converting Enzyme Inhibitor Lisinopril on Mitochondrial and Metabolic Parameters in. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	8
7	LDB1 Regulates Energy Homeostasis During Diet-Induced Obesity. <i>Endocrinology</i> , <b>2017</b> , 158, 1289-1297	4.8	7
6	Branched chain amino acids selectively promote cardiac growth at the end of the awake period. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2021</b> , 157, 31-44	5.8	6
5	Angiotensin II-induced muscle atrophy via PPAR $\beta$ suppression is mediated by miR-29b. <i>Molecular Therapy - Nucleic Acids</i> , <b>2021</b> , 23, 743-756	10.7	4
4	Genetic Deletion of Alters Body Composition, Metabolic Phenotypes, and the Function of Metabolic Tissues in Female Mice Fed A High-Fat Diet. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	4
3	Effects of on Microglial-Derived Extracellular Vesicle Biogenesis and Composition. <i>Pathogens</i> , <b>2019</b> , 8,	4.5	4
2	Hypothalamic FosB prevents age-related metabolic decline and functions via SNS. <i>Aging</i> , <b>2017</b> , 9, 353-369	9.6	2
1	The transcriptional co-regulator LDB1 is required for brown adipose function. <i>Molecular Metabolism</i> , <b>2021</b> , 53, 101284	8.8	