Daniel P Kelly

List of Publications by Year in Descending Order

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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.

77 papers	14,380 citations	49 h-index	82 g-index
82 ext. papers	16,134 ext. citations	12.2 avg, IF	6.45 L-index

#	Paper	IF	Citations
77	Circadian REV-ERBs repress to activate NAMPT-dependent NAD biosynthesis and sustain cardiac function. **2022**, 1, 45-58		1
76	The nuclear receptor ERR cooperates with the cardiogenic factor GATA4 to orchestrate cardiomyocyte maturation.. *Nature Communications*, **2022**, 13, 1991	17.4	1
75	Defects in the Proteome and Metabolome in Human Hypertrophic Cardiomyopathy.. *Circulation: Heart Failure*, **2022**, CIRCHEARTFAILURE121009521	7.6	1
74	Glutaminolysis is Essential for Myofibroblast Persistence and In Vivo Targeting Reverses Fibrosis and Cardiac Dysfunction in Heart Failure. *Circulation*, **2022**, 145, 1625-1628	16.7	1
73	Acute Echocardiographic Effects of Exogenous Ketone Administration in Healthy Participants. *Journal of the American Society of Echocardiography*, **2021**,	5.8	4
72	Therapeutic Potential of Ketone Bodies for Patients With Cardiovascular Disease: JACC State-of-the-Art Review. *Journal of the American College of Cardiology*, **2021**, 77, 1660-1669	15.1	31
71	Multimodality assessment of heart failure with preserved ejection fraction skeletal muscle reveals differences in the machinery of energy fuel metabolism. *ESC Heart Failure*, **2021**, 8, 2698-2712	3.7	6
70	Ketone Ester Treatment Improves Cardiac Function and Reduces Pathologic Remodeling in Preclinical Models of Heart Failure. *Circulation: Heart Failure*, **2021**, 14, e007684	7.6	31
69	Novel Göttingen Miniswine Model of Heart Failure With Preserved Ejection Fraction Integrating Multiple Comorbidities. *JACC Basic To Translational Science*, **2021**, 6, 154-170	8.7	8
68	Implications of Altered Ketone Metabolism and Therapeutic Ketosis in Heart Failure. *Circulation*, **2020**, 141, 1800-1812	16.7	44
67	A Critical Role for Estrogen-Related Receptor Signaling in Cardiac Maturation. *Circulation Research*, **2020**, 126, 1685-1702	15.7	18
66	Skeletal Muscle Energetics and Mitochondrial Function Are Impaired Following 10 Days of Bed Rest in Older Adults. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2020**, 75, 1744-1753	6.4	22
65	Extreme Acetylation of the Cardiac Mitochondrial Proteome Does Not Promote Heart Failure. *Circulation Research*, **2020**, 127, 1094-1108	15.7	25
64	Loss of mitochondrial energetics is associated with poor recovery of muscle function but not mass following disuse atrophy. *American Journal of Physiology - Endocrinology and Metabolism*, **2019**, 317, E899-E910	6	19
63	Unlocking the Secrets of Mitochondria in the Cardiovascular System: Path to a Cure in Heart Failure A Report from the 2018 National Heart, Lung, and Blood Institute Workshop. *Circulation*, **2019**, 140, 1205-1216	16.7	43
62	Mitochondrial calcium exchange links metabolism with the epigenome to control cellular differentiation. *Nature Communications*, **2019**, 10, 4509	17.4	49
61	Increased ketone body oxidation provides additional energy for the failing heart without improving cardiac efficiency. *Cardiovascular Research*, **2019**, 115, 1606-1616	9.9	69

60	Respiratory Phenomics across Multiple Models of Protein Hyperacylation in Cardiac Mitochondria Reveals a Marginal Impact on Bioenergetics. *Cell Reports*, **2019**, 26, 1557-1572.e8	10.6	28
59	The failing heart utilizes 3-hydroxybutyrate as a metabolic stress defense. *JCI Insight*, **2019**, 4,	9.9	105
58	MondoA drives muscle lipid accumulation and insulin resistance. *JCI Insight*, **2019**, 5,	9.9	14
57	KDM5B Promotes Drug Resistance by Regulating Melanoma-Propagating Cell Subpopulations. *Molecular Cancer Therapeutics*, **2019**, 18, 706-717	6.1	22
56	Impaired Mitochondrial Energetics Characterize Poor Early Recovery of Muscle Mass Following Hind Limb Unloading in Old Mice. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2018**, 73, 1313-1322	6.4	22
55	Skeletal muscle mitochondrial remodeling in exercise and diseases. *Cell Research*, **2018**, 28, 969-980	24.7	73
54	Single-Nucleotide Polymorphism of the MLX Gene Is Associated With Takayasu Arteritis. *Circulation Genomic and Precision Medicine*, **2018**, 11, e002296	5.2	7
53	Sarcolipin Signaling Promotes Mitochondrial Biogenesis and Oxidative Metabolism in Skeletal Muscle. *Cell Reports*, **2018**, 24, 2919-2931	10.6	41
52	Skeletal muscle PGC-1 signaling is sufficient to drive an endurance exercise phenotype and to counteract components of detraining in mice. *American Journal of Physiology - Endocrinology and Metabolism*, **2017**, 312, E394-E406	6	9
51	Cardiac nuclear receptors: architects of mitochondrial structure and function. *Journal of Clinical Investigation*, **2017**, 127, 1155-1164	15.9	35
50	The Failing Heart Relies on Ketone Bodies as a Fuel. *Circulation*, **2016**, 133, 698-705	16.7	344
49	Mitochondrial protein hyperacetylation in the failing heart. *JCI Insight*, **2016**, 2,	9.9	87
48	MondoA coordinately regulates skeletal myocyte lipid homeostasis and insulin signaling. *Journal of Clinical Investigation*, **2016**, 126, 3567-79	15.9	36
47	Coupling of mitochondrial function and skeletal muscle fiber type by a miR-499/Fnip1/AMPK circuit. *EMBO Molecular Medicine*, **2016**, 8, 1212-1228	12	53
46	Exercise Inducible Lactate Dehydrogenase B Regulates Mitochondrial Function in Skeletal Muscle. *Journal of Biological Chemistry*, **2016**, 291, 25306-25318	5.4	32
45	Mitochondrial biogenesis and dynamics in the developing and diseased heart. *Genes and Development*, **2015**, 29, 1981-91	12.6	225
44	Novel mouse model of left ventricular pressure overload and infarction causing predictable ventricular remodelling and progression to heart failure. *Clinical and Experimental Pharmacology and Physiology*, **2015**, 42, 33-40	3	27
43	Maintaining ancient organelles: mitochondrial biogenesis and maturation. *Circulation Research*, **2015**, 116, 1820-34	15.7	77

42	Parkin-mediated mitophagy directs perinatal cardiac metabolic maturation in mice. *Science*, **2015**, 350, aad2459	33.3	246
41	Kruppel-like factor 4 is critical for transcriptional control of cardiac mitochondrial homeostasis. *Journal of Clinical Investigation*, **2015**, 125, 3461-76	15.9	67
40	Energy metabolic reprogramming in the hypertrophied and early stage failing heart: a multisystems approach. *Circulation: Heart Failure*, **2014**, 7, 1022-31	7.6	165
39	Mitochondrial function in melanoma. *Archives of Biochemistry and Biophysics*, **2014**, 563, 56-9	4.1	22
38	Metabolic dysfunction consistent with premature aging results from deletion of Pim kinases. *Circulation Research*, **2014**, 115, 376-87	15.7	34
37	A role for peroxisome proliferator-activated receptor coactivator 1 (PGC-1) in the regulation of cardiac mitochondrial phospholipid biosynthesis. *Journal of Biological Chemistry*, **2014**, 289, 2250-9	5.4	66
36	A role for peroxisome proliferator-activated receptor coactivator-1 in the control of mitochondrial dynamics during postnatal cardiac growth. *Circulation Research*, **2014**, 114, 626-36	15.7	138
35	Nuclear receptor/microRNA circuitry links muscle fiber type to energy metabolism. *Journal of Clinical Investigation*, **2013**, 123, 2564-75	15.9	136
34	Medicine. Irisin, light my fire. *Science*, **2012**, 336, 42-3	33.3	101
33	Transcriptional integration of mitochondrial biogenesis. *Trends in Endocrinology and Metabolism*, **2012**, 23, 459-66	8.8	520
32	The nuclear receptor PPAR programs muscle glucose metabolism in cooperation with AMPK and MEF2. *Genes and Development*, **2011**, 25, 2619-30	12.6	107
31	Fatty acid synthase modulates homeostatic responses to myocardial stress. *Journal of Biological Chemistry*, **2011**, 286, 30949-30961	5.4	49
30	Preferential oxidation of triacylglyceride-derived fatty acids in heart is augmented by the nuclear receptor PPARalpha. *Circulation Research*, **2010**, 107, 233-41	15.7	121
29	Total skeletal muscle PGC-1 deficiency uncouples mitochondrial derangements from fiber type determination and insulin sensitivity. *Cell Metabolism*, **2010**, 12, 633-42	24.6	200
28	Transcriptional coactivators PGC-1alpha and PGC-lbeta control overlapping programs required for perinatal maturation of the heart. *Genes and Development*, **2008**, 22, 1948-61	12.6	237
27	The transcriptional coactivator PGC-1alpha is essential for maximal and efficient cardiac mitochondrial fatty acid oxidation and lipid homeostasis. *American Journal of Physiology - Heart and Circulatory Physiology*, **2008**, 295, H185-96	5.2	130
26	Nuclear receptors PPARbeta/delta and PPARalpha direct distinct metabolic regulatory programs in the mouse heart. *Journal of Clinical Investigation*, **2007**, 117, 3930-9	15.9	225
25	Genome-wide orchestration of cardiac functions by the orphan nuclear receptors ERRalpha and gamma. *Cell Metabolism*, **2007**, 5, 345-56	24.6	317

24	The nuclear receptor ERRalpha is required for the bioenergetic and functional adaptation to cardiac pressure overload. *Cell Metabolism*, **2007**, 6, 25-37	24.6	208
23	PGC-1 coactivators: inducible regulators of energy metabolism in health and disease. *Journal of Clinical Investigation*, **2006**, 116, 615-22	15.9	1007
22	Mitochondrial energy metabolism in heart failure: a question of balance. *Journal of Clinical Investigation*, **2005**, 115, 547-55	15.9	367
21	A potential link between muscle peroxisome proliferator- activated receptor-alpha signaling and obesity-related diabetes. *Cell Metabolism*, **2005**, 1, 133-44	24.6	216
20	Mouse models of mitochondrial dysfunction and heart failure. *Journal of Molecular and Cellular Cardiology*, **2005**, 38, 81-91	5.8	73
19	PGC-1alpha deficiency causes multi-system energy metabolic derangements: muscle dysfunction, abnormal weight control and hepatic steatosis. *PLoS Biology*, **2005**, 3, e101	9.7	726
18	Cardiac-specific induction of the transcriptional coactivator peroxisome proliferator-activated receptor gamma coactivator-1alpha promotes mitochondrial biogenesis and reversible cardiomyopathy in a developmental stage-dependent manner. *Circulation Research*, **2004**, 94, 525-33	15.7	308
17	Nuclear receptor signaling and cardiac energetics. *Circulation Research*, **2004**, 95, 568-78	15.7	363
16	Estrogen-related receptor alpha directs peroxisome proliferator-activated receptor alpha signaling in the transcriptional control of energy metabolism in cardiac and skeletal muscle. *Molecular and Cellular Biology*, **2004**, 24, 9079-91	4.8	389
15	A critical role for PPARalpha-mediated lipotoxicity in the pathogenesis of diabetic cardiomyopathy: modulation by dietary fat content. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 1226-31	11.5	438
14	Myocardial fatty acid metabolism: independent predictor of left ventricular mass in hypertensive heart disease. *Hypertension*, **2003**, 41, 83-7	8.5	129
13	Peroxisome proliferator-activated receptor coactivator-1alpha (PGC-1alpha) coactivates the cardiac-enriched nuclear receptors estrogen-related receptor-alpha and -gamma. Identification of novel leucine-rich interaction motif within PGC-1alpha. *Journal of Biological Chemistry*, **2002**, 277, 40265-74	5.4	373
12	Altered myocardial fatty acid and glucose metabolism in idiopathic dilated cardiomyopathy. *Journal of the American College of Cardiology*, **2002**, 40, 271-7	15.1	353
11	Adaptations of skeletal muscle to exercise: rapid increase in the transcriptional coactivator PGC-1. *FASEB Journal*, **2002**, 16, 1879-86	0.9	763
10	The cardiac phenotype induced by PPARalpha overexpression mimics that caused by diabetes mellitus. *Journal of Clinical Investigation*, **2002**, 109, 121-30	15.9	364
9	p38 mitogen-activated protein kinase activates peroxisome proliferator-activated receptor alpha: a potential role in the cardiac metabolic stress response. *Journal of Biological Chemistry*, **2001**, 276, 44495-501	5.4	205
8	Hypoxia inhibits the peroxisome proliferator-activated receptor alpha/retinoid X receptor gene regulatory pathway in cardiac myocytes: a mechanism for O2-dependent modulation of mitochondrial fatty acid oxidation. *Journal of Biological Chemistry*, **2001**, 276, 27605-12	5.4	142
7	The coactivator PGC-1 cooperates with peroxisome proliferator-activated receptor alpha in transcriptional control of nuclear genes encoding mitochondrial fatty acid oxidation enzymes. *Molecular and Cellular Biology*, **2000**, 20, 1868-76	4.8	928

6	Peroxisome proliferator-activated receptor gamma coactivator-1 promotes cardiac mitochondrial biogenesis. *Journal of Clinical Investigation*, **2000**, 106, 847-56	15.9	957
5	Deactivation of peroxisome proliferator-activated receptor-alpha during cardiac hypertrophic growth. *Journal of Clinical Investigation*, **2000**, 105, 1723-30	15.9	369
4	Fatty acids activate transcription of the muscle carnitine palmitoyltransferase I gene in cardiac myocytes via the peroxisome proliferator-activated receptor alpha. *Journal of Biological Chemistry*, **1998**, 273, 23786-92	5.4	354
3	A role for estrogen-related receptor alpha in the control of mitochondrial fatty acid beta-oxidation during brown adipocyte differentiation. *Journal of Biological Chemistry*, **1997**, 272, 31693-9	5.4	120
2	Fatty acid oxidation enzyme gene expression is downregulated in the failing heart. *Circulation*, **1996**, 94, 2837-42	16.7	460
1	Inherited cardiomyopathies. *New England Journal of Medicine*, **1994**, 330, 913-9	59.2	271