

Daniel P Kelly

List of Publications by Citations

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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	PGC-1 coactivators: inducible regulators of energy metabolism in health and disease. <i>Journal of Clinical Investigation</i> , 2006 , 116, 615-22	15.9	1007
76	Peroxisome proliferator-activated receptor gamma coactivator-1 promotes cardiac mitochondrial biogenesis. <i>Journal of Clinical Investigation</i> , 2000 , 106, 847-56	15.9	957
75	The coactivator PGC-1 cooperates with peroxisome proliferator-activated receptor alpha in transcriptional control of nuclear genes encoding mitochondrial fatty acid oxidation enzymes. <i>Molecular and Cellular Biology</i> , 2000 , 20, 1868-76	4.8	928
74	Adaptations of skeletal muscle to exercise: rapid increase in the transcriptional coactivator PGC-1. <i>FASEB Journal</i> , 2002 , 16, 1879-86	0.9	763
73	PGC-1alpha deficiency causes multi-system energy metabolic derangements: muscle dysfunction, abnormal weight control and hepatic steatosis. <i>PLoS Biology</i> , 2005 , 3, e101	9.7	726
72	Transcriptional integration of mitochondrial biogenesis. <i>Trends in Endocrinology and Metabolism</i> , 2012 , 23, 459-66	8.8	520
71	Fatty acid oxidation enzyme gene expression is downregulated in the failing heart. <i>Circulation</i> , 1996 , 94, 2837-42	16.7	460
70	A critical role for PPARalpha-mediated lipotoxicity in the pathogenesis of diabetic cardiomyopathy: modulation by dietary fat content. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 1226-31	11.5	438
69	Estrogen-related receptor alpha directs peroxisome proliferator-activated receptor alpha signaling in the transcriptional control of energy metabolism in cardiac and skeletal muscle. <i>Molecular and Cellular Biology</i> , 2004 , 24, 9079-91	4.8	389
68	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. <i>Journal of Biological Chemistry</i> , 2002 , 277, 40265-74	5.4	373
67	Deactivation of peroxisome proliferator-activated receptor-alpha during cardiac hypertrophic growth. <i>Journal of Clinical Investigation</i> , 2000 , 105, 1723-30	15.9	369
66	Mitochondrial energy metabolism in heart failure: a question of balance. <i>Journal of Clinical Investigation</i> , 2005 , 115, 547-55	15.9	367
65	The cardiac phenotype induced by PPARalpha overexpression mimics that caused by diabetes mellitus. <i>Journal of Clinical Investigation</i> , 2002 , 109, 121-30	15.9	364
64	Nuclear receptor signaling and cardiac energetics. <i>Circulation Research</i> , 2004 , 95, 568-78	15.7	363
63	Fatty acids activate transcription of the muscle carnitine palmitoyltransferase I gene in cardiac myocytes via the peroxisome proliferator-activated receptor alpha. <i>Journal of Biological Chemistry</i> , 1998 , 273, 23786-92	5.4	354
62	Altered myocardial fatty acid and glucose metabolism in idiopathic dilated cardiomyopathy. <i>Journal of the American College of Cardiology</i> , 2002 , 40, 271-7	15.1	353
61	The Failing Heart Relies on Ketone Bodies as a Fuel. <i>Circulation</i> , 2016 , 133, 698-705	16.7	344

60	Genome-wide orchestration of cardiac functions by the orphan nuclear receptors ERRalpha and gamma. <i>Cell Metabolism</i> , 2007 , 5, 345-56	24.6	317
59	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. <i>Circulation Research</i> , 2004 , 94, 525-33	15.7	308
58	Inherited cardiomyopathies. <i>New England Journal of Medicine</i> , 1994 , 330, 913-9	59.2	271
57	Parkin-mediated mitophagy directs perinatal cardiac metabolic maturation in mice. <i>Science</i> , 2015 , 350, aad2459	33.3	246
56	Transcriptional coactivators PGC-1alpha and PGC-1beta control overlapping programs required for perinatal maturation of the heart. <i>Genes and Development</i> , 2008 , 22, 1948-61	12.6	237
55	Mitochondrial biogenesis and dynamics in the developing and diseased heart. <i>Genes and Development</i> , 2015 , 29, 1981-91	12.6	225
54	Nuclear receptors PPARbeta/delta and PPARalpha direct distinct metabolic regulatory programs in the mouse heart. <i>Journal of Clinical Investigation</i> , 2007 , 117, 3930-9	15.9	225
53	A potential link between muscle peroxisome proliferator-activated receptor-alpha signaling and obesity-related diabetes. <i>Cell Metabolism</i> , 2005 , 1, 133-44	24.6	216
52	The nuclear receptor ERRalpha is required for the bioenergetic and functional adaptation to cardiac pressure overload. <i>Cell Metabolism</i> , 2007 , 6, 25-37	24.6	208
51	p38 mitogen-activated protein kinase activates peroxisome proliferator-activated receptor alpha: a potential role in the cardiac metabolic stress response. <i>Journal of Biological Chemistry</i> , 2001 , 276, 44495-501	5.4	205
50	Total skeletal muscle PGC-1 deficiency uncouples mitochondrial derangements from fiber type determination and insulin sensitivity. <i>Cell Metabolism</i> , 2010 , 12, 633-42	24.6	200
49	Energy metabolic reprogramming in the hypertrophied and early stage failing heart: a multisystems approach. <i>Circulation: Heart Failure</i> , 2014 , 7, 1022-31	7.6	165
48	Hypoxia inhibits the peroxisome proliferator-activated receptor alpha/retinoid X receptor gene regulatory pathway in cardiac myocytes: a mechanism for O ₂ -dependent modulation of mitochondrial fatty acid oxidation. <i>Journal of Biological Chemistry</i> , 2001 , 276, 27605-12	5.4	142
47	A role for peroxisome proliferator-activated receptor coactivator-1 in the control of mitochondrial dynamics during postnatal cardiac growth. <i>Circulation Research</i> , 2014 , 114, 626-36	15.7	138
46	Nuclear receptor/microRNA circuitry links muscle fiber type to energy metabolism. <i>Journal of Clinical Investigation</i> , 2013 , 123, 2564-75	15.9	136
45	The transcriptional coactivator PGC-1alpha is essential for maximal and efficient cardiac mitochondrial fatty acid oxidation and lipid homeostasis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 295, H185-96	5.2	130
44	Myocardial fatty acid metabolism: independent predictor of left ventricular mass in hypertensive heart disease. <i>Hypertension</i> , 2003 , 41, 83-7	8.5	129
43	Preferential oxidation of triacylglyceride-derived fatty acids in heart is augmented by the nuclear receptor PPARalpha. <i>Circulation Research</i> , 2010 , 107, 233-41	15.7	121

42	A role for estrogen-related receptor alpha in the control of mitochondrial fatty acid beta-oxidation during brown adipocyte differentiation. <i>Journal of Biological Chemistry</i> , 1997 , 272, 31693-9	5.4	120
41	The nuclear receptor PPAR γ programs muscle glucose metabolism in cooperation with AMPK and MEF2. <i>Genes and Development</i> , 2011 , 25, 2619-30	12.6	107
40	The failing heart utilizes 3-hydroxybutyrate as a metabolic stress defense. <i>JCI Insight</i> , 2019 , 4,	9.9	105
39	Medicine. Irisin, light my fire. <i>Science</i> , 2012 , 336, 42-3	33.3	101
38	Mitochondrial protein hyperacetylation in the failing heart. <i>JCI Insight</i> , 2016 , 2,	9.9	87
37	Maintaining ancient organelles: mitochondrial biogenesis and maturation. <i>Circulation Research</i> , 2015 , 116, 1820-34	15.7	77
36	Skeletal muscle mitochondrial remodeling in exercise and diseases. <i>Cell Research</i> , 2018 , 28, 969-980	24.7	73
35	Mouse models of mitochondrial dysfunction and heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , 2005 , 38, 81-91	5.8	73
34	Increased ketone body oxidation provides additional energy for the failing heart without improving cardiac efficiency. <i>Cardiovascular Research</i> , 2019 , 115, 1606-1616	9.9	69
33	Kruppel-like factor 4 is critical for transcriptional control of cardiac mitochondrial homeostasis. <i>Journal of Clinical Investigation</i> , 2015 , 125, 3461-76	15.9	67
32	A role for peroxisome proliferator-activated receptor γ coactivator 1 (PGC-1) in the regulation of cardiac mitochondrial phospholipid biosynthesis. <i>Journal of Biological Chemistry</i> , 2014 , 289, 2250-9	5.4	66
31	Coupling of mitochondrial function and skeletal muscle fiber type by a miR-499/Fnip1/AMPK circuit. <i>EMBO Molecular Medicine</i> , 2016 , 8, 1212-1228	12	53
30	Mitochondrial calcium exchange links metabolism with the epigenome to control cellular differentiation. <i>Nature Communications</i> , 2019 , 10, 4509	17.4	49
29	Fatty acid synthase modulates homeostatic responses to myocardial stress. <i>Journal of Biological Chemistry</i> , 2011 , 286, 30949-30961	5.4	49
28	Implications of Altered Ketone Metabolism and Therapeutic Ketosis in Heart Failure. <i>Circulation</i> , 2020 , 141, 1800-1812	16.7	44
27	Unlocking the Secrets of Mitochondria in the Cardiovascular System: Path to a Cure in Heart Failure—Report from the 2018 National Heart, Lung, and Blood Institute Workshop. <i>Circulation</i> , 2019 , 140, 1205-1216	16.7	43
26	Sarcoplipin Signaling Promotes Mitochondrial Biogenesis and Oxidative Metabolism in Skeletal Muscle. <i>Cell Reports</i> , 2018 , 24, 2919-2931	10.6	41
25	MondoA coordinately regulates skeletal myocyte lipid homeostasis and insulin signaling. <i>Journal of Clinical Investigation</i> , 2016 , 126, 3567-79	15.9	36

24	Cardiac nuclear receptors: architects of mitochondrial structure and function. <i>Journal of Clinical Investigation</i> , 2017 , 127, 1155-1164	15.9	35
23	Metabolic dysfunction consistent with premature aging results from deletion of Pim kinases. <i>Circulation Research</i> , 2014 , 115, 376-87	15.7	34
22	Exercise Inducible Lactate Dehydrogenase B Regulates Mitochondrial Function in Skeletal Muscle. <i>Journal of Biological Chemistry</i> , 2016 , 291, 25306-25318	5.4	32
21	Therapeutic Potential of Ketone Bodies for Patients With Cardiovascular Disease: JACC State-of-the-Art Review. <i>Journal of the American College of Cardiology</i> , 2021 , 77, 1660-1669	15.1	31
20	Ketone Ester Treatment Improves Cardiac Function and Reduces Pathologic Remodeling in Preclinical Models of Heart Failure. <i>Circulation: Heart Failure</i> , 2021 , 14, e007684	7.6	31
19	Respiratory Phenomics across Multiple Models of Protein Hyperacetylation in Cardiac Mitochondria Reveals a Marginal Impact on Bioenergetics. <i>Cell Reports</i> , 2019 , 26, 1557-1572.e8	10.6	28
18	Novel mouse model of left ventricular pressure overload and infarction causing predictable ventricular remodelling and progression to heart failure. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2015 , 42, 33-40	3	27
17	Extreme Acetylation of the Cardiac Mitochondrial Proteome Does Not Promote Heart Failure. <i>Circulation Research</i> , 2020 , 127, 1094-1108	15.7	25
16	Impaired Mitochondrial Energetics Characterize Poor Early Recovery of Muscle Mass Following Hind Limb Unloading in Old Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018 , 73, 1313-1322	6.4	22
15	Mitochondrial function in melanoma. <i>Archives of Biochemistry and Biophysics</i> , 2014 , 563, 56-9	4.1	22
14	Skeletal Muscle Energetics and Mitochondrial Function Are Impaired Following 10 Days of Bed Rest in Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020 , 75, 1744-1753	6.4	22
13	KDM5B Promotes Drug Resistance by Regulating Melanoma-Propagating Cell Subpopulations. <i>Molecular Cancer Therapeutics</i> , 2019 , 18, 706-717	6.1	22
12	Loss of mitochondrial energetics is associated with poor recovery of muscle function but not mass following disuse atrophy. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019 , 317, E899-E910	6	19
11	A Critical Role for Estrogen-Related Receptor Signaling in Cardiac Maturation. <i>Circulation Research</i> , 2020 , 126, 1685-1702	15.7	18
10	MondoA drives muscle lipid accumulation and insulin resistance. <i>JCI Insight</i> , 2019 , 5,	9.9	14
9	Skeletal muscle PGC-1 β signaling is sufficient to drive an endurance exercise phenotype and to counteract components of detraining in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2017 , 312, E394-E406	6	9
8	Novel Götting Miniswine Model of Heart Failure With Preserved Ejection Fraction Integrating Multiple Comorbidities. <i>JACC Basic To Translational Science</i> , 2021 , 6, 154-170	8.7	8
7	Single-Nucleotide Polymorphism of the MLX Gene Is Associated With Takayasu Arteritis. <i>Circulation Genomic and Precision Medicine</i> , 2018 , 11, e002296	5.2	7

6	Multimodality assessment of heart failure with preserved ejection fraction skeletal muscle reveals differences in the machinery of energy fuel metabolism. <i>ESC Heart Failure</i> , 2021 , 8, 2698-2712	3.7	6
5	Acute Echocardiographic Effects of Exogenous Ketone Administration in Healthy Participants. <i>Journal of the American Society of Echocardiography</i> , 2021 ,	5.8	4
4	Circadian REV-ERBs repress to activate NAMPT-dependent NAD biosynthesis and sustain cardiac function. 2022 , 1, 45-58		1
3	The nuclear receptor ERR cooperates with the cardiogenic factor GATA4 to orchestrate cardiomyocyte maturation.. <i>Nature Communications</i> , 2022 , 13, 1991	17.4	1
2	Defects in the Proteome and Metabolome in Human Hypertrophic Cardiomyopathy.. <i>Circulation: Heart Failure</i> , 2022 , CIRCHEARTFAILURE121009521	7.6	1
1	Glutaminolysis is Essential for Myofibroblast Persistence and In Vivo Targeting Reverses Fibrosis and Cardiac Dysfunction in Heart Failure. <i>Circulation</i> , 2022 , 145, 1625-1628	16.7	1