Peter A Crawford

List of Publications by Year
in descending order

61 papers	8,368 citations	94269 37 h-index	128067 60 g-index
64 all docs	64 docs citations	64 times ranked	10673 citing authors

#	Article	IF	Citations
1	Ketone body oxidation increases cardiac endothelial cell proliferation. EMBO Molecular Medicine, 2022, 14, e14753.	3.3	31
2	Artifactual FA dimers mimic FAHFA signals in untargeted metabolomics pipelines. Journal of Lipid Research, 2022, 63, 100201.	2.0	9
3	Acute aerobic exercise reveals that FAHFAs distinguish the metabolomes of overweight and normal-weight runners. JCI Insight, 2022, 7, .	2.3	11
4	Krebs takes a turn at cell differentiation. Cell Metabolism, 2022, 34, 658-660.	7.2	8
5	Determination of ketone bodies in biological samples via rapid UPLC-MS/MS. Talanta, 2021, 225, 122048.	2.9	24
6	Diminished ketone interconversion, hepatic TCA cycle flux, and glucose production in D-Î²-hydroxybutyrate dehydrogenase hepatocyte-deficient mice. Molecular Metabolism, 2021, 53, 101269.	3.0	17
7	Metabolic and Signaling Roles of Ketone Bodies in Health and Disease. Annual Review of Nutrition, 2021, 41, 49-77.	4.3	81
8	Mitochondrial pyruvate carriers are required for myocardial stress adaptation. Nature Metabolism, 2020, 2, 1248-1264.	5.1	87
9	Nonalcoholic Steatohepatitis. JAMA - Journal of the American Medical Association, 2020, 323, 1175.	3.8	784
10	Pimozide Alleviates Hyperglycemia in Diet-Induced Obesity by Inhibiting Skeletal Muscle Ketone Oxidation. Cell Metabolism, 2020, 31, 909-919.e8.	7.2	37
11	Ketogenic therapies for lymphedema?. Nature Metabolism, 2019, 1, 656-657.	5.1	3
12	Application of Stable Isotope Labels for Metabolomics in Studies in Fatty Liver Disease. Methods in Molecular Biology, 2019, 1996, 259-272.	0.4	4
13	Pyruvate Carboxylase Wields a Double-Edged Metabolic Sword. Cell Metabolism, 2019, 29, 1236-1238.	7.2	10
14	Hepatocyte-Macrophage Acetoacetate Shuttle Protects against Tissue Fibrosis. Cell Metabolism, 2019, 29, 383-398.e7.	7.2	87
15	The failing heart utilizes 3-hydroxybutyrate as a metabolic stress defense. JCI Insight, 2019, 4, .	2.3	218
16	Ketone bodies as epigenetic modifiers. Current Opinion in Clinical Nutrition and Metabolic Care, 2018, 21, 260-266.	1.3	50
17	Intraâ€•and interâ€•subject variability for increases in serum ketone bodies in patients with type 2 diabetes treated with the sodium glucose coâ€•transporter 2 inhibitor canagliflozin. Diabetes, Obesity and Metabolism, 2018, 20, 1321-1326.	2.2	47
18	Isotope Tracing Untargeted Metabolomics Reveals Macrophage Polarization-State-Specific Metabolic Coordination across Intracellular Compartments. IScience, 2018, 9, 298-313.	1.9	53

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19	Transport-exclusion pharmacology to localize lactate dehydrogenase activity within cells. Cancer & Metabolism, 2018, 6, 19.	2.4	6
20	Hepatic ketogenic insufficiency reprograms hepatic glycogen metabolism and the lipidome. JCI Insight, 2018, 3, .	2.3	51
21	Refueling the Failing Heart. JACC Basic To Translational Science, 2018, 3, 588-590.	1.9	6
22	Lipidomics reveals a systemic energy deficient state that precedes neurotoxicity in neonatal monkeys after sevoflurane exposure. Analytica Chimica Acta, 2018, 1037, 87-96.	2.6	16
23	Multi-dimensional Roles of Ketone Bodies in Fuel Metabolism, Signaling, and Therapeutics. Cell Metabolism, 2017, 25, 262-284.	7.2	965
24	Circulating acylcarnitine profile in human heart failure: a surrogate of fatty acid metabolic dysregulation in mitochondria and beyond. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 313, H768-H781.	1.5	95
25	Ketone Body Metabolism in the Neonate. , 2017, , 370-379.e4.		3
26	Comprehensive and Quantitative Analysis of Polyphosphoinositide Species by Shotgun Lipidomics Revealed Their Alterations in <i>db/db</i> Mouse Brain. Analytical Chemistry, 2016, 88, 12137-12144.	3.2	33
27	Lactate metabolism is associated with mammalian mitochondria. Nature Chemical Biology, 2016, 12, 937-943.	3.9	222
28	The Failing Heart Relies on Ketone Bodies as a Fuel. Circulation, 2016, 133, 698-705.	1.6	506
29	The ketone metabolite Î²-hydroxybutyrate blocks NLRP3 inflammasomeâ€“mediated inflammatory disease. Nature Medicine, 2015, 21, 263-269.	15.2	1,400
30	Cardiomyocyte-specific deficiency of ketone body metabolism promotes accelerated pathological remodeling. Molecular Metabolism, 2014, 3, 754-769.	3.0	148
31	X¹³CMS: Global Tracking of Isotopic Labels in Untargeted Metabolomics. Analytical Chemistry, 2014, 86, 1632-1639.	3.2	152
32	Impairments of hepatic gluconeogenesis and ketogenesis in PPARÎ±-deficient neonatal mice. American Journal of Physiology - Endocrinology and Metabolism, 2014, 307, E176-E185.	1.8	26
33	Ketogenesis prevents diet-induced fatty liver injury and hyperglycemia. Journal of Clinical Investigation, 2014, 124, 5175-5190.	3.9	156
34	PGC-1Î² and ChREBP partner to cooperatively regulate hepatic lipogenesis in a glucose concentration-dependent manner. Molecular Metabolism, 2013, 2, 194-204.	3.0	31
35	Ketone body metabolism and cardiovascular disease. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 304, H1060-H1076.	1.5	340
36	Metabolic stress in the myocardium: Adaptations of gene expression. Journal of Molecular and Cellular Cardiology, 2013, 55, 130-138.	0.9	13

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37	Successful adaptation to ketosis by mice with tissue-specific deficiency of ketone body oxidation. American Journal of Physiology - Endocrinology and Metabolism, 2013, 304, E363-E374.	1.8	52
38	Impact of Peripheral Ketolytic Deficiency on Hepatic Ketogenesis and Gluconeogenesis during the Transition to Birth. Journal of Biological Chemistry, 2013, 288, 19739-19749.	1.6	16
39	Role of Choline Deficiency in the Fatty LiverÂPhenotype of Mice Fed a Low Protein, Very Low Carbohydrate Ketogenic Diet. PLoS ONE, 2013, 8, e74806.	1.1	36
40	Low-carbohydrate ketogenic diets, glucose homeostasis, and nonalcoholic fatty liver disease. Current Opinion in Clinical Nutrition and Metabolic Care, 2012, 15, 374-380.	1.3	81
41	Liver-Specific PGC-1beta Deficiency Leads to Impaired Mitochondrial Function and Lipogenic Response to Fasting-Refeeding. PLoS ONE, 2012, 7, e52645.	1.1	28
42	Hepatic steatosis, inflammation, and ER stress in mice maintained long term on a very low-carbohydrate ketogenic diet. American Journal of Physiology - Renal Physiology, 2011, 300, G956-G967.	1.6	132
43	Obligate Role for Ketone Body Oxidation in Neonatal Metabolic Homeostasis. Journal of Biological Chemistry, 2011, 286, 6902-6910.	1.6	101
44	Altered systemic ketone body metabolism in advanced heart failure. Texas Heart Institute Journal, 2011, 38, 533-8.	0.1	50
45	Adaptation of Myocardial Substrate Metabolism to a Ketogenic Nutrient Environment. Journal of Biological Chemistry, 2010, 285, 24447-24456.	1.6	103
46	Coordinated regulation of the metabolome and lipidome at the host-microbial interface. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2010, 1801, 240-245.	1.2	61
47	Akt2 deficiency promotes cardiac induction of Rab4a and myocardial Î²-adrenergic hypersensitivity. Journal of Molecular and Cellular Cardiology, 2010, 49, 931-940.	0.9	26
48	Regulation of myocardial ketone body metabolism by the gut microbiota during nutrient deprivation. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11276-11281.	3.3	224
49	DEAD-Box Protein-103 (DP103, Ddx20) Is Essential for Early Embryonic Development and Modulates Ovarian Morphology and Function. Endocrinology, 2008, 149, 2168-2175.	1.4	55
50	Postnatal lymphatic partitioning from the blood vasculature in the small intestine requires fasting-induced adipose factor. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 606-611.	3.3	95
51	From The Cover: Microbial regulation of intestinal radiosensitivity. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13254-13259.	3.3	208
52	The DEAD Box Protein DP103 Is a Regulator of Steroidogenic Factor-1. Molecular Endocrinology, 2001, 15, 69-79.	3.7	74
53	Steroidogenic Factor 1 is a Monomeric Orphan, But Does Not Work Alone. Endocrine Research, 2000, 26, 1003-1004.	0.6	0
54	Activation of Luteinizing Hormone Î² Gene by Gonadotropin-releasing Hormone Requires the Synergy of Early Growth Response-1 and Steroidogenic Factor-1. Journal of Biological Chemistry, 1999, 274, 13870-13876.	1.6	156

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55	Nuclear Receptor DAX-1 Recruits Nuclear Receptor Corepressor N-CoR to Steroidogenic Factor 1. Molecular and Cellular Biology, 1998, 18, 2949-2956.	1.1	311
56	Developmental and Physiologic Roles of the Nuclear Receptor Steroidogenic Factor-I in the Reproductive System. Journal of the Society for Gynecologic Investigation, 1998, 5, 6-12.	1.9	3
57	Characterization of the Promoter of SF-1, an Orphan Nuclear Receptor Required for Adrenal and Gonadal Development. Molecular Endocrinology, 1997, 11, 117-126.	3.7	68
58	The Activation Function-2 Hexamer of Steroidogenic Factor-1 Is Required, but Not Sufficient for Potentiation by SRC-1. Molecular Endocrinology, 1997, 11, 1626-1635.	3.7	94
59	Role of Steroidogenic-Factor 1 in Basal and 3â€²,5â€²-Cyclic Adenosine Monophosphate-Mediated Regulation of Cytochrome P450 Side-Chain Cleavage Enzyme in the Mouse1. Biology of Reproduction, 1997, 57, 765-771.	1.2	70
60	Nuclear Receptor Steroidogenic Factor 1 Directs Embryonic Stem Cells toward the Steroidogenic Lineage. Molecular and Cellular Biology, 1997, 17, 3997-4006.	1.1	122
61	Mice deficient in the orphan receptor steroidogenic factor 1 lack adrenal glands and gonads but express P450 side-chain-cleavage enzyme in the placenta and have normal embryonic serum levels of corticosteroids.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 10939-10943.	3.3	430