

James A West

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,015
citations

430442

18
h-index

454577

30
g-index

30
all docs

30
docs citations

30
times ranked

2291
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolic basis to Sherpa altitude adaptation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6382-6387.	3.3	162
2	Odd Chain Fatty Acids; New Insights of the Relationship Between the Gut Microbiota, Dietary Intake, Biosynthesis and Glucose Intolerance. Scientific Reports, 2017, 7, 44845.	1.6	90
3	Cytosine-5 RNA methylation links protein synthesis to cell metabolism. PLoS Biology, 2019, 17, e3000297.	2.6	87
4	Impaired In Vivo Mitochondrial Krebs Cycle Activity After Myocardial Infarction Assessed Using Hyperpolarized Magnetic Resonance Spectroscopy. Circulation: Cardiovascular Imaging, 2014, 7, 895-904.	1.3	54
5	Inhibition of sarcolemmal FAT/CD36 by sulfo-N-succinimidyl oleate rapidly corrects metabolism and restores function in the diabetic heart following hypoxia/reoxygenation. Cardiovascular Research, 2017, 113, 737-748.	1.8	50
6	Integration of metabolomics, lipidomics and clinical data using a machine learning method. BMC Bioinformatics, 2016, 17, 440.	1.2	48
7	Dietary nitrate increases arginine availability and protects mitochondrial complex I and energetics in the hypoxic rat heart. Journal of Physiology, 2014, 592, 4715-4731.	1.3	47
8	Nox4 reprograms cardiac substrate metabolism via protein O-GlcNAcylation to enhance stress adaptation. JCI Insight, 2017, 2, .	2.3	42
9	FAMIN Is a Multifunctional Purine Enzyme Enabling the Purine Nucleotide Cycle. Cell, 2020, 180, 278-295.e23.	13.5	42
10	Italian cohort of patients affected by inflammatory bowel disease is characterised by variation in glycerophospholipid, free fatty acids and amino acid levels. Metabolomics, 2018, 14, 140.	1.4	39
11	Nitrate enhances skeletal muscle fatty acid oxidation via a nitric oxide-cGMP-PPAR-mediated mechanism. BMC Biology, 2015, 13, 110.	1.7	37
12	A targeted metabolomics assay for cardiac metabolism and demonstration using a mouse model of dilated cardiomyopathy. Metabolomics, 2016, 12, 59.	1.4	37
13	Comprehensive Metabolic Profiling of Age-Related Mitochondrial Dysfunction in the High-Fat-Fed Mouse Heart. Journal of Proteome Research, 2015, 14, 2849-2862.	1.8	35
14	A randomized 3-way crossover study indicates that high-protein feeding induces de novo lipogenesis in healthy humans. JCI Insight, 2019, 4, .	2.3	30
15	Early detection of doxorubicin-induced cardiotoxicity in rats by its cardiac metabolic signature assessed with hyperpolarized MRI. Communications Biology, 2020, 3, 692.	2.0	25
16	Mechanistic insights revealed by lipid profiling in monogenic insulin resistance syndromes. Genome Medicine, 2015, 7, 63.	3.6	23
17	A purine metabolic checkpoint that prevents autoimmunity and autoinflammation. Cell Metabolism, 2022, 34, 106-124.e10.	7.2	23
18	PPAR-pan activation induces hepatic oxidative stress and lipidomic remodelling. Free Radical Biology and Medicine, 2016, 95, 357-368.	1.3	22

#	ARTICLE	IF	CITATIONS
19	Divergent trajectories of cellular bioenergetics, intermediary metabolism and systemic redox status in survivors and non-survivors of critical illness. <i>Redox Biology</i> , 2021, 41, 101907.	3.9	16
20	Methods for Performing Lipidomics in White Adipose Tissue. <i>Methods in Enzymology</i> , 2014, 538, 211-231.	0.4	15
21	Truncation of <i>Pik3r1</i> causes severe insulin resistance uncoupled from obesity and dyslipidaemia by increased energy expenditure. <i>Molecular Metabolism</i> , 2020, 40, 101020.	3.0	14
22	Cyclooxygenase-2, Asymmetric Dimethylarginine, and the Cardiovascular Hazard From Nonsteroidal Anti-Inflammatory Drugs. <i>Circulation</i> , 2018, 138, 2367-2378.	1.6	13
23	A dietary pattern derived using B-vitamins and its relationship with vascular markers over the life course. <i>Clinical Nutrition</i> , 2019, 38, 1464-1473.	2.3	13
24	Consequences of Lipid Remodeling of Adipocyte Membranes Being Functionally Distinct from Lipid Storage in Obesity. <i>Journal of Proteome Research</i> , 2020, 19, 3919-3935.	1.8	12
25	Î ² -hydroxybutyrate accumulates in the rat heart during low-flow ischaemia with implications for functional recovery. <i>ELife</i> , 2021, 10, .	2.8	12
26	Metabolic Effects of Doxorubicin on the Rat Liver Assessed With Hyperpolarized MRI and Metabolomics. <i>Frontiers in Physiology</i> , 2021, 12, 782745.	1.3	12
27	A model for determining cardiac mitochondrial substrate utilisation using stable ¹³ C-labelled metabolites. <i>Metabolomics</i> , 2019, 15, 154.	1.4	7
28	L-Carnitine Stimulates In Vivo Carbohydrate Metabolism in the Type 1 Diabetic Heart as Demonstrated by Hyperpolarized MRI. <i>Metabolites</i> , 2021, 11, 191.	1.3	6
29	Câ€¦Nox4-dependent Reprogramming of Glucose Metabolism and Fatty Acid Oxidation Facilitates Cardiac Adaption to Chronic Pressure-Overload. <i>Heart</i> , 2016, 102, A146.2-A146.	1.2	1
30	Metabolomics dataset of PPAR-pan treated rat liver. <i>Data in Brief</i> , 2016, 8, 196-202.	0.5	1