

James A West

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,015
citations

430874

18
h-index

454955

30
g-index

30
all docs

30
docs citations

30
times ranked

2291
citing authors

#	ARTICLE	IF	CITATIONS
1	A purine metabolic checkpoint that prevents autoimmunity and autoinflammation. <i>Cell Metabolism</i> , 2022, 34, 106-124.e10.	16.2	23
2	L-Carnitine Stimulates In Vivo Carbohydrate Metabolism in the Type 1 Diabetic Heart as Demonstrated by Hyperpolarized MRI. <i>Metabolites</i> , 2021, 11, 191.	2.9	6
3	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.	9.0	16
4	\hat{I}^2 -hydroxybutyrate accumulates in the rat heart during low-flow ischaemia with implications for functional recovery. <i>ELife</i> , 2021, 10, .	6.0	12
5	Metabolic Effects of Doxorubicin on the Rat Liver Assessed With Hyperpolarized MRI and Metabolomics. <i>Frontiers in Physiology</i> , 2021, 12, 782745.	2.8	12
6	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.	3.7	12
7	Early detection of doxorubicin-induced cardiotoxicity in rats by its cardiac metabolic signature assessed with hyperpolarized MRI. <i>Communications Biology</i> , 2020, 3, 692.	4.4	25
8	FAMIN Is a Multifunctional Purine Enzyme Enabling the Purine Nucleotide Cycle. <i>Cell</i> , 2020, 180, 278-295.e23.	28.9	42
9	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.	6.5	14
10	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.	5.0	13
11	A randomized 3-way crossover study indicates that high-protein feeding induces de novo lipogenesis in healthy humans. <i>JCI Insight</i> , 2019, 4, .	5.0	30
12	Cytosine-5 RNA methylation links protein synthesis to cell metabolism. <i>PLoS Biology</i> , 2019, 17, e3000297.	5.6	87
13	A model for determining cardiac mitochondrial substrate utilisation using stable ^{13}C -labelled metabolites. <i>Metabolomics</i> , 2019, 15, 154.	3.0	7
14	Italian cohort of patients affected by inflammatory bowel disease is characterised by variation in glycerophospholipid, free fatty acids and amino acid levels. <i>Metabolomics</i> , 2018, 14, 140.	3.0	39
15	Cyclooxygenase-2, Asymmetric Dimethylarginine, and the Cardiovascular Hazard From Nonsteroidal Anti-Inflammatory Drugs. <i>Circulation</i> , 2018, 138, 2367-2378.	1.6	13
16	Inhibition of sarcolemmal FAT/CD36 by sulfo-N-succinimidyl oleate rapidly corrects metabolism and restores function in the diabetic heart following hypoxia/reoxygenation. <i>Cardiovascular Research</i> , 2017, 113, 737-748.	3.8	50
17	Metabolic basis to Sherpa altitude adaptation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6382-6387.	7.1	162
18	Odd Chain Fatty Acids; New Insights of the Relationship Between the Gut Microbiota, Dietary Intake, Biosynthesis and Glucose Intolerance. <i>Scientific Reports</i> , 2017, 7, 44845.	3.3	90

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19	Nox4 reprograms cardiac substrate metabolism via protein O-GlcNAcylation to enhance stress adaptation. JCI Insight, 2017, 2, .	5.0	42
20	Integration of metabolomics, lipidomics and clinical data using a machine learning method. BMC Bioinformatics, 2016, 17, 440.	2.6	48
21	A targeted metabolomics assay for cardiac metabolism and demonstration using a mouse model of dilated cardiomyopathy. Metabolomics, 2016, 12, 59.	3.0	37
22	Câ€¦Nox4-dependent Reprogramming of Glucose Metabolism and Fatty Acid Oxidation Facilitates Cardiac Adaption to Chronic Pressure-Overload. Heart, 2016, 102, A146.2-A146.	2.9	1
23	Metabolomics dataset of PPAR-pan treated rat liver. Data in Brief, 2016, 8, 196-202.	1.0	1
24	PPAR-pan activation induces hepatic oxidative stress and lipidomic remodelling. Free Radical Biology and Medicine, 2016, 95, 357-368.	2.9	22
25	Nitrate enhances skeletal muscle fatty acid oxidation via a nitric oxide-cGMP-PPAR-mediated mechanism. BMC Biology, 2015, 13, 110.	3.8	37
26	Mechanistic insights revealed by lipid profiling in monogenic insulin resistance syndromes. Genome Medicine, 2015, 7, 63.	8.2	23
27	Comprehensive Metabolic Profiling of Age-Related Mitochondrial Dysfunction in the High-Fat-Fed Mouse Heart. Journal of Proteome Research, 2015, 14, 2849-2862.	3.7	35
28	Impaired In Vivo Mitochondrial Krebs Cycle Activity After Myocardial Infarction Assessed Using Hyperpolarized Magnetic Resonance Spectroscopy. Circulation: Cardiovascular Imaging, 2014, 7, 895-904.	2.6	54
29	Methods for Performing Lipidomics in White Adipose Tissue. Methods in Enzymology, 2014, 538, 211-231.	1.0	15
30	Dietary nitrate increases arginine availability and protects mitochondrial complex I and energetics in the hypoxic rat heart. Journal of Physiology, 2014, 592, 4715-4731.	2.9	47