Janis Kuka

List of Publications by Year in descending order

39 papers	1,455 citations	304743 22 h-index	330143 37 g-index
39 all docs	39 docs citations	39 times ranked	1971 citing authors

#	Article	IF	Citations
1	Diabetes is Associated with Higher Trimethylamine N-oxide Plasma Levels. Experimental and Clinical Endocrinology and Diabetes, 2016, 124, 251-256.	1.2	175
2	Plasma acylcarnitine concentrations reflect the acylcarnitine profile in cardiac tissues. Scientific Reports, 2017, 7, 17528.	3.3	112
3	Acylcarnitines: Nomenclature, Biomarkers, Therapeutic Potential, Drug Targets, and Clinical Trials. Pharmacological Reviews, 2022, 74, 506-551.	16.0	106
4	Long-chain acylcarnitines determine ischaemia/reperfusion-induced damage in heart mitochondria. Biochemical Journal, 2016, 473, 1191-1202.	3.7	77
5	Suppression of intestinal microbiota-dependent production of pro-atherogenic trimethylamine N-oxide by shifting L-carnitine microbial degradation. Life Sciences, 2014, 117, 84-92.	4.3	76
6	Structure and Function of CutC Choline Lyase from Human Microbiota Bacterium Klebsiella pneumoniae. Journal of Biological Chemistry, 2015, 290, 21732-21740.	3.4	70
7	Pharmacological effects of meldonium: Biochemical mechanisms and biomarkers of cardiometabolic activity. Pharmacological Research, 2016, 113, 771-780.	7.1	68
8	Protective effects of mildronate in an experimental model of type 2 diabetes in Gotoâ€Kakizaki rats. British Journal of Pharmacology, 2009, 157, 1549-1556.	5.4	63
9	Mildronate decreases carnitine availability and up-regulates glucose uptake and related gene expression in the mouse heart. Life Sciences, 2008, 83, 613-619.	4.3	60
10	The heart is better protected against myocardial infarction in the fed state compared to the fasted state. Metabolism: Clinical and Experimental, 2014, 63, 127-136.	3.4	56
11	The Cardioprotective Effect of Mildronate is Diminished After Co-Treatment With<scp>l</scp>-Carnitine. Journal of Cardiovascular Pharmacology and Therapeutics, 2012, 17, 215-222.	2.0	44
12	Long-chain acylcarnitine content determines the pattern of energy metabolism in cardiac mitochondria. Molecular and Cellular Biochemistry, 2014, 395, 1-10.	3.1	44
13	Mildronate treatment alters Î³-butyrobetaine and <scp>l</scp>-carnitine concentrations in healthy volunteers. Journal of Pharmacy and Pharmacology, 2011, 63, 1195-1201.	2.4	42
14	Targeting Carnitine Biosynthesis: Discovery of New Inhibitors against Î³-Butyrobetaine Hydroxylase. Journal of Medicinal Chemistry, 2014, 57, 2213-2236.	6.4	41
15	Activated peroxisomal fatty acid metabolism improves cardiac recovery in ischemia-reperfusion. Naunyn-Schmiedeberg's Archives of Pharmacology, 2013, 386, 541-550.	3.0	34
16	Decreased acylcarnitine content improves insulin sensitivity in experimental mice models of insulin resistance. Pharmacological Research, 2016, 113, 788-795.	7.1	34
17	Crystal structure of human gamma-butyrobetaine hydroxylase. Biochemical and Biophysical Research Communications, 2010, 398, 634-639.	2.1	30
18	Effects of Longâ€Term Mildronate Treatment on Cardiac and Liver Functions in Rats. Basic and Clinical Pharmacology and Toxicology, 2009, 105, 387-394.	2.5	27

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19	Inhibition of carnitine acetyltransferase by mildronate, a regulator of energy metabolism. Journal of Enzyme Inhibition and Medicinal Chemistry, 2009, 24, 1269-1275.	5.2	27
20	Myocardial Infarct Size-Limiting and Anti-Arrhythmic Effects of Mildronate Orotate in the Rat Heart. Cardiovascular Drugs and Therapy, 2009, 23, 281-288.	2.6	25
21	Acute and longâ€term administration of palmitoylcarnitine induces muscleâ€specific insulin resistance in mice. BioFactors, 2017, 43, 718-730.	5.4	25
22	Inhibition of Lâ€carnitine biosynthesis and transport by methylâ€Î³â€butyrobetaine decreases fatty acid oxidation and protects against myocardial infarction. British Journal of Pharmacology, 2015, 172, 1319-1332.	5.4	24
23	Metformin decreases bacterial trimethylamine production and trimethylamine N-oxide levels in db/db mice. Scientific Reports, 2020, 10, 14555.	3.3	22
24	Empagliflozin Protects Cardiac Mitochondrial Fatty Acid Metabolism in a Mouse Model of Diet-Induced Lipid Overload. Cardiovascular Drugs and Therapy, 2020, 34, 791-797.	2.6	20
25	Administration of L-carnitine and mildronate improves endothelial function and decreases mortality in hypertensive Dahl rats. Pharmacological Reports, 2011, 63, 752-762.	3.3	19
26	Skull Fractures Induce Neuroinflammation and Worsen Outcomes after Closed Head Injury in Mice. Journal of Neurotrauma, 2020, 37, 295-304.	3.4	17
27	Selective inhibition of OCTN2 is more effective than inhibition of gamma-butyrobetaine dioxygenase to decrease the availability of l-carnitine and to reduce myocardial infarct size. Pharmacological Research, 2014, 85, 33-38.	7.1	15
28	Antibacterial activity of apramycin at acidic pH warrants wide therapeutic window in the treatment of complicated urinary tract infections and acute pyelonephritis. EBioMedicine, 2021, 73, 103652.	6.1	15
29	Troubleshooting digital macro photography for image acquisition and the analysis of biological samples. Journal of Pharmacological and Toxicological Methods, 2013, 67, 98-106.	0.7	14
30	Expression and purification of active, stabilized trimethyllysine hydroxylase. Protein Expression and Purification, 2014, 104, 1-6.	1.3	14
31	Methyl-Î³-butyrobetaine decreases levels of acylcarnitines and attenuates the development of atherosclerosis. Vascular Pharmacology, 2015, 72, 101-107.	2.1	13
32	Inhibition of CPT2 exacerbates cardiac dysfunction and inflammation in experimental endotoxaemia. Journal of Cellular and Molecular Medicine, 2020, 24, 11903-11911.	3.6	11
33	Magnesium nitrate attenuates blood pressure rise in SHR rats. Magnesium Research, 2014, 27, 16-24.	0.5	8
34	Low cardiac content of long-chain acylcarnitines in TMLHE knockout mice prevents ischaemia-reperfusion-induced mitochondrial and cardiac damage. Free Radical Biology and Medicine, 2021, 177, 370-380.	2.9	8
35	trans-Fluorine Effect in Cyclopropane: Diastereoselective Synthesis of Fluorocyclopropyl Cabozantinib Analogs. ACS Medicinal Chemistry Letters, 2020, 11, 2146-2150.	2.8	7
36	A short-term high-dose administration of sodium pivalate impairs pyruvate metabolism without affecting cardiac function. Cardiovascular Toxicology, 2012, 12, 298-303.	2.7	5

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37	Decrease in Longâ€€Chain Acylcarnitine Tissue Content Determines the Duration of and Correlates with the Cardioprotective Effect of Methylâ€€<scp>GBB</scp>. Basic and Clinical Pharmacology and Toxicology, 2017, 121, 106-112.	2.5	3
38	Inhibition of Fatty Acid Metabolism Increases EPA and DHA Levels and Protects against Myocardial Ischaemia-Reperfusion Injury in Zucker Rats. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-13.	4.0	3
39	Excretion of the Polymyxin Derivative NAB739 in Murine Urine. Antibiotics, 2020, 9, 143.	3.7	1