

# Janis Kuka

## List of Publications by Year in descending order

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39  
papers

1,455  
citations

304743

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330143

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docs citations

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times ranked

1971  
citing authors

#	ARTICLE	IF	CITATIONS
1	Acylcarnitines: Nomenclature, Biomarkers, Therapeutic Potential, Drug Targets, and Clinical Trials. <i>Pharmacological Reviews</i> , 2022, 74, 506-551.	16.0	106
2	Inhibition of Fatty Acid Metabolism Increases EPA and DHA Levels and Protects against Myocardial Ischaemia-Reperfusion Injury in Zucker Rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-13.	4.0	3
3	Low cardiac content of long-chain acylcarnitines in TMLHE knockout mice prevents ischaemia-reperfusion-induced mitochondrial and cardiac damage. <i>Free Radical Biology and Medicine</i> , 2021, 177, 370-380.	2.9	8
4	Antibacterial activity of apramycin at acidic pH warrants wide therapeutic window in the treatment of complicated urinary tract infections and acute pyelonephritis. <i>EBioMedicine</i> , 2021, 73, 103652.	6.1	15
5	Skull Fractures Induce Neuroinflammation and Worsen Outcomes after Closed Head Injury in Mice. <i>Journal of Neurotrauma</i> , 2020, 37, 295-304.	3.4	17
6	Inhibition of CPT2 exacerbates cardiac dysfunction and inflammation in experimental endotoxaemia. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 11903-11911.	3.6	11
7	Metformin decreases bacterial trimethylamine production and trimethylamine N-oxide levels in db/db mice. <i>Scientific Reports</i> , 2020, 10, 14555.	3.3	22
8	<i>trans</i> -Fluorine Effect in Cyclopropane: Diastereoselective Synthesis of Fluorocyclopropyl Cabozantinib Analogs. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 2146-2150.	2.8	7
9	Empagliflozin Protects Cardiac Mitochondrial Fatty Acid Metabolism in a Mouse Model of Diet-Induced Lipid Overload. <i>Cardiovascular Drugs and Therapy</i> , 2020, 34, 791-797.	2.6	20
10	Excretion of the Polymyxin Derivative NAB739 in Murine Urine. <i>Antibiotics</i> , 2020, 9, 143.	3.7	1
11	Decrease in Long-Chain Acylcarnitine Tissue Content Determines the Duration of and Correlates with the Cardioprotective Effect of Methyl-GGB. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2017, 121, 106-112.	2.5	3
12	Acute and long-term administration of palmitoylcarnitine induces muscle-specific insulin resistance in mice. <i>BioFactors</i> , 2017, 43, 718-730.	5.4	25
13	Plasma acylcarnitine concentrations reflect the acylcarnitine profile in cardiac tissues. <i>Scientific Reports</i> , 2017, 7, 17528.	3.3	112
14	Diabetes is Associated with Higher Trimethylamine N-oxide Plasma Levels. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2016, 124, 251-256.	1.2	175
15	Long-chain acylcarnitines determine ischaemia/reperfusion-induced damage in heart mitochondria. <i>Biochemical Journal</i> , 2016, 473, 1191-1202.	3.7	77
16	Pharmacological effects of meldonium: Biochemical mechanisms and biomarkers of cardiometabolic activity. <i>Pharmacological Research</i> , 2016, 113, 771-780.	7.1	68
17	Decreased acylcarnitine content improves insulin sensitivity in experimental mice models of insulin resistance. <i>Pharmacological Research</i> , 2016, 113, 788-795.	7.1	34
18	Methyl- <sup>13</sup> C-butYRObetaine decreases levels of acylcarnitines and attenuates the development of atherosclerosis. <i>Vascular Pharmacology</i> , 2015, 72, 101-107.	2.1	13

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19	Structure and Function of CutC Choline Lyase from Human Microbiota Bacterium <i>Klebsiella pneumoniae</i> . <i>Journal of Biological Chemistry</i> , 2015, 290, 21732-21740.	3.4	70
20	Inhibition of L-carnitine biosynthesis and transport by methyl-β-butyrobetaine decreases fatty acid oxidation and protects against myocardial infarction. <i>British Journal of Pharmacology</i> , 2015, 172, 1319-1332.	5.4	24
21	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. <i>Pharmacological Research</i> , 2014, 85, 33-38.	7.1	15
22	The heart is better protected against myocardial infarction in the fed state compared to the fasted state. <i>Metabolism: Clinical and Experimental</i> , 2014, 63, 127-136.	3.4	56
23	Suppression of intestinal microbiota-dependent production of pro-atherogenic trimethylamine N-oxide by shifting L-carnitine microbial degradation. <i>Life Sciences</i> , 2014, 117, 84-92.	4.3	76
24	Expression and purification of active, stabilized trimethyllysine hydroxylase. <i>Protein Expression and Purification</i> , 2014, 104, 1-6.	1.3	14
25	Targeting Carnitine Biosynthesis: Discovery of New Inhibitors against β-Butyrobetaine Hydroxylase. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 2213-2236.	6.4	41
26	Long-chain acylcarnitine content determines the pattern of energy metabolism in cardiac mitochondria. <i>Molecular and Cellular Biochemistry</i> , 2014, 395, 1-10.	3.1	44
27	Magnesium nitrate attenuates blood pressure rise in SHR rats. <i>Magnesium Research</i> , 2014, 27, 16-24.	0.5	8
28	Troubleshooting digital macro photography for image acquisition and the analysis of biological samples. <i>Journal of Pharmacological and Toxicological Methods</i> , 2013, 67, 98-106.	0.7	14
29	Activated peroxisomal fatty acid metabolism improves cardiac recovery in ischemia-reperfusion. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2013, 386, 541-550.	3.0	34
30	A short-term high-dose administration of sodium pivalate impairs pyruvate metabolism without affecting cardiac function. <i>Cardiovascular Toxicology</i> , 2012, 12, 298-303.	2.7	5
31	The Cardioprotective Effect of Mildronate is Diminished After Co-Treatment With L-Carnitine. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2012, 17, 215-222.	2.0	44
32	Administration of L-carnitine and mildronate improves endothelial function and decreases mortality in hypertensive Dahl rats. <i>Pharmacological Reports</i> , 2011, 63, 752-762.	3.3	19
33	Mildronate treatment alters β-butyrobetaine and l-carnitine concentrations in healthy volunteers. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 63, 1195-1201.	2.4	42
34	Crystal structure of human gamma-butyrobetaine hydroxylase. <i>Biochemical and Biophysical Research Communications</i> , 2010, 398, 634-639.	2.1	30
35	Myocardial Infarct Size-Limiting and Anti-Arrhythmic Effects of Mildronate Orotate in the Rat Heart. <i>Cardiovascular Drugs and Therapy</i> , 2009, 23, 281-288.	2.6	25
36	Effects of Long-Term Mildronate Treatment on Cardiac and Liver Functions in Rats. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2009, 105, 387-394.	2.5	27

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37	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
38	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
39	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