

Pawel K Lorkiewicz

List of Publications by Year in descending order

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53
papers

3,734
citations

236925

25
h-index

175258

52
g-index

53
all docs

53
docs citations

53
times ranked

6750
citing authors

#	ARTICLE	IF	CITATIONS
1	Glucose-Independent Glutamine Metabolism via TCA Cycling for Proliferation and Survival in B Cells. <i>Cell Metabolism</i> , 2012, 15, 110-121.	16.2	923
2	Loss of FBP1 by Snail-Mediated Repression Provides Metabolic Advantages in Basal-like Breast Cancer. <i>Cancer Cell</i> , 2013, 23, 316-331.	16.8	660
3	Targeting Lactate Dehydrogenase-A Inhibits Tumorigenesis and Tumor Progression in Mouse Models of Lung Cancer and Impacts Tumor-Initiating Cells. <i>Cell Metabolism</i> , 2014, 19, 795-809.	16.2	411
4	Stable isotope-resolved metabolomics and applications for drug development. , 2012, 133, 366-391.		186
5	Association Between Residential Greenness and Cardiovascular Disease Risk. <i>Journal of the American Heart Association</i> , 2018, 7, e009117.	3.7	114
6	Biomarkers of exposure to new and emerging tobacco delivery products. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 313, L425-L452.	2.9	95
7	Mitochondrial calcium exchange links metabolism with the epigenome to control cellular differentiation. <i>Nature Communications</i> , 2019, 10, 4509.	12.8	93
8	Comparison of Urinary Biomarkers of Exposure in Humans Using Electronic Cigarettes, Combustible Cigarettes, and Smokeless Tobacco. <i>Nicotine and Tobacco Research</i> , 2019, 21, 1228-1238.	2.6	76
9	Knockdown of Malic Enzyme 2 Suppresses Lung Tumor Growth, Induces Differentiation and Impacts PI3K/AKT Signaling. <i>Scientific Reports</i> , 2014, 4, 5414.	3.3	73
10	Titania Microparticles and Nanoparticles as Matrixes for in Vitro and in Situ Analysis of Small Molecules by MALDI-MS. <i>Analytical Chemistry</i> , 2009, 81, 6596-6603.	6.5	64
11	Electronic cigarette-generated aldehydes: The contribution of e-liquid components to their formation and the use of urinary aldehyde metabolites as biomarkers of exposure. <i>Aerosol Science and Technology</i> , 2018, 52, 1219-1232.	3.1	64
12	Integration of flux measurements to resolve changes in anabolic and catabolic metabolism in cardiac myocytes. <i>Biochemical Journal</i> , 2017, 474, 2785-2801.	3.7	55
13	High information throughput analysis of nucleotides and their isotopically enriched isotopologues by direct-infusion FTICR-MS. <i>Metabolomics</i> , 2012, 8, 930-939.	3.0	52
14	Simultaneous quantification of straight-chain and branched-chain short chain fatty acids by gas chromatography mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1092, 359-367.	2.3	51
15	Characterization of Volatile Organic Compound Metabolites in Cigarette Smokers, Electronic Nicotine Device Users, Dual Users, and Nonusers of Tobacco. <i>Nicotine and Tobacco Research</i> , 2020, 22, 264-272.	2.6	51
16	Glutamine Regulates Cardiac Progenitor Cell Metabolism and Proliferation. <i>Stem Cells</i> , 2015, 33, 2613-2627.	3.2	46
17	Exposure to volatile organic compounds " acrolein, 1,3-butadiene, and crotonaldehyde " is associated with vascular dysfunction. <i>Environmental Research</i> , 2021, 196, 110903.	7.5	44
18	Biomarkers of Chronic Acrolein Inhalation Exposure in Mice: Implications for Tobacco Product-Induced Toxicity. <i>Toxicological Sciences</i> , 2017, 158, 263-274.	3.1	42

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19	Stable Isotope-Labeled Tracers for Metabolic Pathway Elucidation by GC-MS and FT-MS. <i>Methods in Molecular Biology</i> , 2014, 1198, 147-167.	0.9	42
20	Cardiac mesenchymal cells from diabetic mice are ineffective for cell therapy-mediated myocardial repair. <i>Basic Research in Cardiology</i> , 2018, 113, 46.	5.9	41
21	Role in Tumor Growth of a Glycogen Debranching Enzyme Lost in Glycogen Storage Disease. <i>Journal of the National Cancer Institute</i> , 2014, 106, .	6.3	38
22	Type 2 Diabetes Dysregulates Glucose Metabolism in Cardiac Progenitor Cells. <i>Journal of Biological Chemistry</i> , 2016, 291, 13634-13648.	3.4	35
23	Association between residential greenness and exposure to volatile organic compounds. <i>Science of the Total Environment</i> , 2020, 707, 135435.	8.0	31
24	Electronic cigarette solvents, pulmonary irritation, and endothelial dysfunction: role of acetaldehyde and formaldehyde. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H1510-H1525.	3.2	28
25	Tributylin Inhibits Ethanol-Induced Epigenetic Repression of CPT-1A and Attenuates Hepatic Steatosis and Injury. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2020, 9, 569-585.	4.5	27
26	Transient Cell Cycle Induction in Cardiomyocytes to Treat Subacute Ischemic Heart Failure. <i>Circulation</i> , 2022, 145, 1339-1355.	1.6	27
27	2â€(2â€Aminoethylamino)â€5â€Nitropyridine as a basic matrix for negativeâ€mode matrixâ€assisted laser desorption/ionization analysis of phospholipids. <i>Journal of Mass Spectrometry</i> , 2009, 44, 137-143.	1.6	26
28	Systemic Toxicity of Smokeless Tobacco Products in Mice. <i>Nicotine and Tobacco Research</i> , 2019, 21, 101-110.	2.6	24
29	Chemoselective detection and discrimination of carbonyl-containing compounds in metabolite mixtures by ¹ H-detected ¹⁵ N nuclear magnetic resonance. <i>Magnetic Resonance in Chemistry</i> , 2015, 53, 337-343.	1.9	22
30	Profiling thiol metabolites and quantification of cellular glutathione using FT-ICR-MS spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 4371-4379.	3.7	21
31	Comprehensive, robust, and sensitive UPLC-MS/MS analysis of free biogenic monoamines and their metabolites in urine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1099, 83-91.	2.3	21
32	Analysis of stable isotope assisted metabolomics data acquired by high resolution mass spectrometry. <i>Analytical Methods</i> , 2017, 9, 2275-2283.	2.7	20
33	Inhalation of printer-emitted particles impairs cardiac conduction, hemodynamics, and autonomic regulation and induces arrhythmia and electrical remodeling in rats. <i>Particle and Fibre Toxicology</i> , 2020, 17, 7.	6.2	19
34	Integration of flux measurements and pharmacological controls to optimize stable isotope-resolved metabolomics workflows and interpretation. <i>Scientific Reports</i> , 2019, 9, 13705.	3.3	18
35	Acute and chronic vascular effects of inhaled crotonaldehyde in mice: Role of TRPA1. <i>Toxicology and Applied Pharmacology</i> , 2020, 402, 115120.	2.8	18
36	Analysis of stable isotope assisted metabolomics data acquired by GC-MS. <i>Analytica Chimica Acta</i> , 2017, 980, 25-32.	5.4	16

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37	Glutaminolysis is Essential for Myofibroblast Persistence and In Vivo Targeting Reverses Fibrosis and Cardiac Dysfunction in Heart Failure. <i>Circulation</i> , 2022, 145, 1625-1628.	1.6	15
38	Cell cycle induction in human cardiomyocytes is dependent on biosynthetic pathway activation. <i>Redox Biology</i> , 2021, 46, 102094.	9.0	14
39	Protocol to assess the impact of tobacco-induced volatile organic compounds on cardiovascular risk in a cross-sectional cohort: Cardiovascular Injury due to Tobacco Use study. <i>BMJ Open</i> , 2018, 8, e019850.	1.9	13
40	Nicotine Metabolism in Adults With Type 2 Diabetes. <i>Nicotine and Tobacco Research</i> , 2019, 21, 846-849.	2.6	13
41	Electronic Cigarette Solvents, JUUL E-Liquids, and Biomarkers of Exposure: In Vivo Evidence for Acrolein and Glycidol in E-Cig-Derived Aerosols. <i>Chemical Research in Toxicology</i> , 2022, 35, 283-292.	3.3	13
42	Acetaldehyde Induces an Endothelium-Dependent Relaxation of Superior Mesenteric Artery: Potential Role in Postprandial Hyperemia. <i>Frontiers in Physiology</i> , 2019, 10, 1315.	2.8	12
43	Loss of Rb1 Enhances Glycolytic Metabolism in Kras-Driven Lung Tumors In Vivo. <i>Cancers</i> , 2020, 12, 237.	3.7	12
44	Comparative effects of parent and heated cinnamaldehyde on the function of human iPSC-derived cardiac myocytes. <i>Toxicology in Vitro</i> , 2019, 61, 104648.	2.4	11
45	Harmonization of acronyms for volatile organic compound metabolites using a standardized naming system. <i>International Journal of Hygiene and Environmental Health</i> , 2021, 235, 113749.	4.3	11
46	Elder: A compound identification tool for gas chromatography mass spectrometry data. <i>Journal of Chromatography A</i> , 2016, 1448, 107-114.	3.7	9
47	Palbociclib treatment alters nucleotide biosynthesis and glutamine dependency in A549 cells. <i>Cancer Cell International</i> , 2020, 20, 280.	4.1	9
48	Smoking Accelerates Atrioventricular Conduction in Humans Concordant with Increased Dopamine Release. <i>Cardiovascular Toxicology</i> , 2021, 21, 169-178.	2.7	9
49	Metabolic signatures of pregnancy-induced cardiac growth. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2022, 323, H146-H164.	3.2	8
50	In vivo deep network tracing reveals phosphofructokinase-mediated coordination of biosynthetic pathway activity in the myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , 2022, 162, 32-42.	1.9	6
51	Urinary levels of the acrolein conjugates of carnosine are associated with inhaled toxicants. <i>Inhalation Toxicology</i> , 2020, 32, 468-476.	1.6	2
52	Towards a novel application of wastewater-based epidemiology in population-wide assessment of exposure to volatile organic compounds. <i>Science of the Total Environment</i> , 2022, 845, 157008.	8.0	2
53	Protocol to assess the efficacy of carnosine supplementation in mitigating the adverse cardiovascular responses to particulate matter (PM) exposure: the Nucleophilic Defense Against PM Toxicity (NEAT) trial. <i>BMJ Open</i> , 2020, 10, e039118.	1.9	1