

# Jane McHowat

## List of Publications by Year in descending order

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98  
papers

2,001  
citations

186265

28  
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289244

40  
g-index

101  
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101  
docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	2-Chlorofatty acids are biomarkers of sepsis mortality and mediators of barrier dysfunction in rats. <i>Journal of Lipid Research</i> , 2020, 61, 1115-1127.	4.2	20
2	2-Chlorofatty Aldehyde Elicits Endothelial Cell Activation. <i>Frontiers in Physiology</i> , 2020, 11, 460.	2.8	12
3	Alterations in Phospholipase A2 -Mediated Pathways in Smokers: A Potential Mediator of Skin Cancer Development. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
4	Exposure to Cigarette Smoke is Linked to Platelet-Activating Factor Accumulation in Myocardial Tissue. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
5	Cigarette Smoke Upregulates Phospholipase A $\alpha$ -Mediated Metabolic Pathway Expression in the Bladder: A Potential Promoter of Tumorigenesis. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
6	Inhibition of the key metabolic pathways, glycolysis and lipogenesis, of oral cancer by bitter melon extract. <i>Cell Communication and Signaling</i> , 2019, 17, 131.	6.5	42
7	Cigarette smoking promotes bladder cancer via increased platelet-activating factor. <i>Physiological Reports</i> , 2019, 7, e13981.	1.7	15
8	Chlorinated Lipids Elicit Inflammatory Responses in vitro and in vivo. <i>Shock</i> , 2019, 51, 114-122.	2.1	14
9	2-Chlorofatty acids induce Weibel-Palade body mobilization. <i>Journal of Lipid Research</i> , 2018, 59, 113-122.	4.2	20
10	Cigarette Smoking is Associated with PEDF Downregulation in the Myocardium. <i>FASEB Journal</i> , 2018, 32, 675.7.	0.5	0
11	Cigarette smoke-induced urothelial cell damage: potential role of platelet-activating factor. <i>Physiological Reports</i> , 2017, 5, e13177.	1.7	13
12	Cigarette Smoke Regulates Calcium-Independent Phospholipase A2 Metabolic Pathways in Breast Cancer. <i>American Journal of Pathology</i> , 2017, 187, 1855-1866.	3.8	14
13	In Vivo Effects of Long-Term Cigarette Smoke Exposure on Mammary Tissue in Mice. <i>American Journal of Pathology</i> , 2017, 187, 1238-1244.	3.8	3
14	Recent insights into cigarette smoking as a lifestyle risk factor for breast cancer. <i>Breast Cancer: Targets and Therapy</i> , 2017, Volume 9, 127-132.	1.8	36
15	Myeloperoxidase-derived 2-chlorofatty acids contribute to human sepsis mortality via acute respiratory distress syndrome. <i>JCI Insight</i> , 2017, 2, .	5.0	38
16	In the absence of overt urothelial damage, chondroitinase ABC digestion of the GAG layer increases bladder permeability in ovariectomized female rats. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 310, F1074-F1080.	2.7	12
17	Mice with Genetic Deletion of Group VIA Phospholipase A $\alpha$ Exhibit Impaired Macrophage Function and Increased Parasite Load in Trypanosoma cruzi-Induced Myocarditis. <i>Infection and Immunity</i> , 2016, 84, 1137-1142.	2.2	13
18	Increased susceptibility to bladder inflammation in smokers: targeting the PAF-PAF receptor interaction to manage inflammatory cell recruitment. <i>Physiological Reports</i> , 2015, 3, e12641.	1.7	15

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19	Impaired Expression of Prostaglandin E2 (PGE2) Synthesis and Degradation Enzymes during Differentiation of Immortalized Urothelial Cells from Patients with Interstitial Cystitis/Painful Bladder Syndrome. PLoS ONE, 2015, 10, e0129466.	2.5	2
20	Cigarette smoke induces cell motility via platelet-activating factor accumulation in breast cancer cells: a potential mechanism for metastatic disease. Physiological Reports, 2015, 3, e12318.	1.7	23
21	Enhanced breast cancer cell adherence to the lung endothelium via PAF acetylhydrolase inhibition: a potential mechanism for enhanced metastasis in smokers. American Journal of Physiology - Cell Physiology, 2014, 307, C951-C956.	4.6	25
22	Absence of calcium-independent phospholipase A2 <sup>2</sup> impairs platelet-activating factor production and inflammatory cell recruitment in Trypanosoma cruzi-infected endothelial cells. Physiological Reports, 2014, 2, e00196.	1.7	10
23	Phospholipase A2 Enzymes: Potential Targets for Therapy. , 2014, , 177-198.		0
24	Increased platelet-activating factor accumulation in the endothelium in response to cigarette smoke may contribute to breast cancer metastasis (405.5). FASEB Journal, 2014, 28, 405.5.	0.5	0
25	Recruitment of inflammatory cells to the bladder endothelium exposed to cigarette smoke extract (669.1). FASEB Journal, 2014, 28, 669.1.	0.5	1
26	Is cigarette smoking an independent risk factor of metastatic disease in prostate cancer? (1047.15). FASEB Journal, 2014, 28, 1047.15.	0.5	0
27	PMN recruitment to small airway epithelial cells in response to cigarette smoke extract (694.8). FASEB Journal, 2014, 28, 694.8.	0.5	0
28	Cigarette smoke increases PAF accumulation, cell motility and EMT in triple negative breast cancer cells (58.8). FASEB Journal, 2014, 28, 58.8.	0.5	0
29	Redistribution of calcium-independent phospholipase A2 isoforms in IC/PBS urothelial cells (488.2). FASEB Journal, 2014, 28, 488.2.	0.5	0
30	The Absence of Myocardial Calcium-Independent Phospholipase A <sub>2</sub> <sup>2</sup> Results in Impaired Prostaglandin E <sub>2</sub> Production and Decreased Survival in Mice with Acute Trypanosoma cruzi Infection. Infection and Immunity, 2013, 81, 2278-2287.	2.2	14
31	Tryptase Activation of Immortalized Human Urothelial Cell Mitogen-Activated Protein Kinase. PLoS ONE, 2013, 8, e69948.	2.5	8
32	Lung endothelial cell platelet-activating factor production and inflammatory cell adherence are increased in response to cigarette smoke component exposure. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 302, L47-L55.	2.9	25
33	The Role of Endoplasmic Reticulum Ca <sup>2+</sup> -Independent Phospholipase A2 <sup>3</sup> in Oxidant-Induced Lipid Peroxidation, Ca <sup>2+</sup> Release, and Renal Cell Death. Toxicological Sciences, 2012, 128, 544-552.	3.1	7
34	Profiling of fatty acids released during calcium-induced mitochondrial permeability transition in isolated rabbit kidney cortex mitochondria. Toxicology in Vitro, 2011, 25, 1001-1006.	2.4	10
35	Urothelial Cell Platelet-activating Factor Production Mediated by Calcium-independent Phospholipase A2 <sup>3</sup> . Urology, 2011, 77, 248.e1-248.e7.	1.0	1
36	PGE <sub>2</sub> Release from Tryptase-Stimulated Rabbit Ventricular Myocytes is Mediated by Calcium-Independent Phospholipase A <sub>2</sub> <sup>2</sup> . Lipids, 2011, 46, 391-7.	1.7	14

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37	Activation of group VI phospholipase A2 isoforms in cardiac endothelial cells. American Journal of Physiology - Cell Physiology, 2011, 300, C872-C879.	4.6	16
38	Platelet-activating factor and metastasis: calcium-independent phospholipase A <sub>2</sub> deficiency protects against breast cancer metastasis to the lung. American Journal of Physiology - Cell Physiology, 2011, 300, C825-C832.	4.6	39
39	Activation of calcium-independent phospholipase A 2 following protease-activated receptor cleavage in mouse cardiomyocytes. FASEB Journal, 2011, 25, 1112.6.	0.5	0
40	Endothelial Cell Prostaglandin I2 and Platelet-Activating Factor Production Are Markedly Attenuated in the Calcium-Independent Phospholipase A2 <sup>1</sup> Knockout Mouse. Biochemistry, 2010, 49, 5473-5481.	2.5	27
41	Recruitment of Inflammatory cells to the Lung is Dependent upon Platelet Activating Factor production in Smokers. FASEB Journal, 2010, 24, .	0.5	0
42	Inhibition of calcium-independent phospholipase A2 prevents inflammatory mediator production in pulmonary microvascular endothelium. Respiratory Physiology and Neurobiology, 2009, 165, 167-174.	1.6	24
43	Polymorphonuclear leukocytes isolated from umbilical cord blood as a useful research tool to study adherence to cell monolayers. Journal of Immunological Methods, 2009, 351, 30-35.	1.4	6
44	Calcium-independent Phospholipase A <sub>2</sub> in Rabbit Ventricular Myocytes. Lipids, 2008, 43, 775-782.	1.7	7
45	Characterization of tight junction proteins in cultured human urothelial cells. In Vitro Cellular and Developmental Biology - Animal, 2008, 44, 261-267.	1.5	36
46	Potential mechanism for recruitment and migration of CD133 positive cells to areas of vascular inflammation. Thrombosis Research, 2008, 123, 258-266.	1.7	17
47	Tryptase activates calcium-independent phospholipase A2 and releases PGE2 in airway epithelial cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2008, 295, L925-L932.	2.9	9
48	Decreased iPLA <sub>2</sub> <sup>3</sup> expression induces lipid peroxidation and cell death and sensitizes cells to oxidant-induced apoptosis. Journal of Lipid Research, 2008, 49, 1477-1487.	4.2	47
49	Loss of prostaglandin E <sub>2</sub> release from immortalized urothelial cells obtained from interstitial cystitis patient bladders. American Journal of Physiology - Renal Physiology, 2008, 294, F1129-F1135.	2.7	16
50	Characterization of stratification and tight junction formation in cultured human urothelial cells. FASEB Journal, 2008, 22, 1203.1.	0.5	0
51	Thrombin activates calcium independent phospholipase A 2 (iPLA 2 ) in lung microvascular endothelial cells. FASEB Journal, 2008, 22, 1178.6.	0.5	0
52	Impaired prostaglandin E 2 (PGE 2 ) production in urothelial cells from an interstitial cystitis patient. FASEB Journal, 2008, 22, .	0.5	0
53	Transendothelial migration of CD133+ hematopoietic progenitor cells isolated from human umbilical cord blood. FASEB Journal, 2008, 22, 1179.1.	0.5	0
54	Thrombin induces calcium independent phospholipase A 2 (iPLA 2 ) activity and neutrophil adherence in human small airways epithelial cells. FASEB Journal, 2008, 22, 762.1.	0.5	0

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55	Calcium-independent phospholipase A2-catalyzed plasmalogen hydrolysis in hypoxic human coronary artery endothelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 2007, 292, C251-C258.	4.6	24
56	Role of Ca <sup>2+</sup> -Independent Phospholipase A <sub>2</sub> <sup>Î³</sup> in Ca <sup>2+</sup> -Induced Mitochondrial Permeability Transition. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 321, 707-715.	2.5	49
57	Identification of calcium-independent phospholipase A <sub>2</sub> <sup>Î³</sup> in mitochondria and its role in mitochondrial oxidative stress. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 292, F853-F860.	2.7	44
58	Lysoplasmenecholone increases neutrophil adherence to human coronary artery endothelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 2007, 293, C1467-C1471.	4.6	8
59	Choline lysophospholipid release from human coronary artery endothelial cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 42, S232-S233.	1.9	0
60	Phospholipase A2-catalyzed hydrolysis of plasmalogen phospholipids in thrombin-stimulated human platelets. <i>Thrombosis Research</i> , 2007, 120, 259-268.	1.7	25
61	Protease activation of calcium-independent phospholipase A2 leads to neutrophil recruitment to coronary artery endothelial cells. <i>Thrombosis Research</i> , 2007, 120, 597-605.	1.7	20
62	Anthracycline-induced phospholipase A2 inhibition. <i>Cardiovascular Toxicology</i> , 2007, 7, 86-91.	2.7	15
63	Expression of ZO-1, ZO-2, and ZO-3 proteins in a urothelial cell culture system.. <i>FASEB Journal</i> , 2007, 21, A763.	0.5	0
64	Mast cell tryptase may play a protective role in early inflammation in human small airway epithelial cells. <i>FASEB Journal</i> , 2007, 21, A958.	0.5	0
65	Inhibition of calcium-independent phospholipase A2 in pulmonary microvascular endothelium prevents inflammatory mediator production. <i>FASEB Journal</i> , 2007, 21, A862.	0.5	0
66	Prostacyclin Production in Tryptase and Thrombin Stimulated Human Bladder Endothelial Cells: Effect of Pretreatment With Phospholipase A2 and Cyclooxygenase Inhibitors. <i>Journal of Urology</i> , 2006, 176, 1661-1665.	0.4	6
67	Activation of MAPKs in thrombin-stimulated ventricular myocytes is dependent on Ca <sup>2+</sup> -independent PLA2. <i>American Journal of Physiology - Cell Physiology</i> , 2006, 290, C1350-C1354.	4.6	12
68	Potential role for mast cell tryptase in recruitment of inflammatory cells to endothelium. <i>American Journal of Physiology - Cell Physiology</i> , 2005, 289, C1485-C1491.	4.6	44
69	Calcium-independent phospholipase A2 is regulated by a novel protein kinase C in human coronary artery endothelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 2005, 288, C475-C482.	4.6	36
70	Arachidonic acid incorporation and turnover is decreased in sympathetically denervated rat heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 288, H2611-H2619.	3.2	6
71	Protease-activated receptor stimulation activates a Ca <sup>2+</sup> -independent phospholipase A2 in bladder microvascular endothelial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2005, 288, F714-F721.	2.7	32
72	Neutrophil Adherence to Bladder Microvascular Endothelial Cells following Platelet-Activating Factor Acetylhydrolase Inhibition. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 314, 1241-1247.	2.5	10

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73	Genetic and Pharmacologic Evidence That Calcium-independent Phospholipase A <sub>2</sub> <sup>1</sup> 2 Regulates Virus-induced Inducible Nitric-oxide Synthase Expression by Macrophages. <i>Journal of Biological Chemistry</i> , 2005, 280, 28162-28168.	3.4	54
74	Identification and distribution of endoplasmic reticulum iPLA <sub>2</sub> . <i>Biochemical and Biophysical Research Communications</i> , 2005, 327, 287-293.	2.1	42
75	Inactivation of Endoplasmic Reticulum Bound Ca <sup>2+</sup> -Independent Phospholipase A <sub>2</sub> in Renal Cells during Oxidative Stress. <i>Journal of the American Society of Nephrology: JASN</i> , 2004, 15, 1441-1451.	6.1	19
76	Changes in Phospholipid Content and Myocardial Calcium-Independent Phospholipase A <sub>2</sub> Activity during Chronic Anthracycline Administration. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 311, 736-741.	2.5	12
77	Ebola virus glycoprotein-mediated anoikis of primary human cardiac microvascular endothelial cells. <i>Virology</i> , 2004, 321, 181-188.	2.4	44
78	Role of an Endoplasmic Reticulum Ca <sup>2+</sup> -Independent Phospholipase A <sub>2</sub> in Cisplatin-Induced Renal Cell Apoptosis. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 308, 921-928.	2.5	55
79	Inhibition of Platelet-Activating Factor (PAF) Acetylhydrolase by Methyl Arachidonyl Fluorophosphonate Potentiates PAF Synthesis in Thrombin-Stimulated Human Coronary Artery Endothelial Cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 307, 1163-1170.	2.5	38
80	Identification of $\omega$ -Chloro Fatty Aldehydes and Unsaturated Lysophosphatidylcholine Molecular Species in Human Atherosclerotic Lesions. <i>Circulation</i> , 2003, 108, 3128-3133.	1.6	185
81	Alterations in Ca <sup>2+</sup> cycling by lysoplasmeylcholine in adult rabbit ventricular myocytes. <i>American Journal of Physiology - Cell Physiology</i> , 2003, 284, C826-C838.	4.6	34
82	Inhibition of membrane-associated calcium-independent phospholipase A <sub>2</sub> as a potential culprit of anthracycline cardiotoxicity. <i>Cancer Research</i> , 2003, 63, 5992-8.	0.9	16
83	Novel Role for Calcium-independent Phospholipase A <sub>2</sub> in the Macrophage Antiviral Response of Inducible Nitric-oxide Synthase Expression. <i>Journal of Biological Chemistry</i> , 2002, 277, 38449-38455.	3.4	37
84	Role of an endoplasmic reticulum Ca <sup>2+</sup> -independent phospholipase A <sub>2</sub> in oxidant-induced renal cell death. <i>American Journal of Physiology - Renal Physiology</i> , 2002, 283, F492-F498.	2.7	52
85	Regulation of membrane-associated iPLA <sub>2</sub> activity by a novel PKC isoform in ventricular myocytes. <i>American Journal of Physiology - Cell Physiology</i> , 2002, 283, C1621-C1626.	4.6	35
86	Phospholipid metabolite production in human urothelial cells after protease-activated receptor cleavage. <i>American Journal of Physiology - Renal Physiology</i> , 2002, 283, F944-F951.	2.7	18
87	Endothelial Cell PAF Synthesis following Thrombin Stimulation Utilizes Ca <sup>2+</sup> -Independent Phospholipase A <sub>2</sub> . <i>Biochemistry</i> , 2001, 40, 14921-14931.	2.5	43
88	Redistribution and abnormal activity of phospholipase A <sub>2</sub> isoenzymes in postinfarct congestive heart failure. <i>American Journal of Physiology - Cell Physiology</i> , 2001, 280, C573-C580.	4.6	25
89	Comparative Roles of Phospholipase A <sub>2</sub> Isoforms in Cardiovascular Pathophysiology. <i>Cardiovascular Toxicology</i> , 2001, 1, 253-266.	2.7	7
90	Oxidant-Induced Inhibition of Myocardial Calcium-Independent Phospholipase A <sub>2</sub> . <i>Cardiovascular Toxicology</i> , 2001, 1, 309-316.	2.7	8

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91	Selective plasmalogen substrate utilization by thrombin-stimulated Ca <sup>2+</sup> -independent PLA <sub>2</sub> in cardiomyocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 278, H1933-H1940.	3.2	20
92	Induction of Ca-independent PLA2 and conservation of plasmalogen polyunsaturated fatty acids in diabetic heart. American Journal of Physiology - Endocrinology and Metabolism, 2000, 279, E25-E32.	3.5	22
93	Calcium-independent phospholipase A2 in isolated rabbit ventricular myocytes. Lipids, 1998, 33, 1203-1212.	1.7	30
94	Thrombin activates a membrane-associated calcium-independent PLA2 in ventricular myocytes. American Journal of Physiology - Cell Physiology, 1998, 274, C447-C454.	4.6	39
95	Selective hydrolysis of plasmalogens in endothelial cells following thrombin stimulation. American Journal of Physiology - Cell Physiology, 1998, 275, C1498-C1507.	4.6	29
96	Stimulation of different phospholipase A2 isoforms by TNF- $\alpha$ and IL-1 $\beta$ in adult rat ventricular myocytes. American Journal of Physiology - Heart and Circulatory Physiology, 1998, 275, H1462-H1472.	3.2	41
97	Selective hydrolysis of plasmalogen phospholipids by Ca <sup>2+</sup> -independent PLA <sub>2</sub> in hypoxic ventricular myocytes. American Journal of Physiology - Cell Physiology, 1998, 274, C1727-C1737.	4.6	69
98	Gradient elution reversed-phase chromatographic isolation of individual glycerophospholipid molecular species. Biomedical Applications, 1997, 702, 21-32.	1.7	43