

Jane McHowat

List of Publications by Year in descending order

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98
papers

2,001
citations

186265

28
h-index

289244

40
g-index

101
all docs

101
docs citations

101
times ranked

2024
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of $\hat{\pm}$ -Chloro Fatty Aldehydes and Unsaturated Lysophosphatidylcholine Molecular Species in Human Atherosclerotic Lesions. <i>Circulation</i> , 2003, 108, 3128-3133.	1.6	185
2	Selective hydrolysis of plasmalogen phospholipids by Ca ²⁺ -independent PLA ₂ in hypoxic ventricular myocytes. <i>American Journal of Physiology - Cell Physiology</i> , 1998, 274, C1727-C1737.	4.6	69
3	Role of an Endoplasmic Reticulum Ca ²⁺ -Independent Phospholipase A ₂ in Cisplatin-Induced Renal Cell Apoptosis. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 308, 921-928.	2.5	55
4	Genetic and Pharmacologic Evidence That Calcium-independent Phospholipase A ₂ ² Regulates Virus-induced Inducible Nitric-oxide Synthase Expression by Macrophages. <i>Journal of Biological Chemistry</i> , 2005, 280, 28162-28168.	3.4	54
5	Role of an endoplasmic reticulum Ca ²⁺ -independent phospholipase A ₂ in oxidant-induced renal cell death. <i>American Journal of Physiology - Renal Physiology</i> , 2002, 283, F492-F498.	2.7	52
6	Role of Ca ²⁺ -Independent Phospholipase A ₂ ³ in Ca ²⁺ -Induced Mitochondrial Permeability Transition. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 321, 707-715.	2.5	49
7	Decreased iPLA ₂ ³ expression induces lipid peroxidation and cell death and sensitizes cells to oxidant-induced apoptosis. <i>Journal of Lipid Research</i> , 2008, 49, 1477-1487.	4.2	47
8	Ebola virus glycoprotein-mediated anoikis of primary human cardiac microvascular endothelial cells. <i>Virology</i> , 2004, 321, 181-188.	2.4	44
9	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
10	Identification of calcium-independent phospholipase A ₂ ³ in mitochondria and its role in mitochondrial oxidative stress. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 292, F853-F860.	2.7	44
11	Gradient elution reversed-phase chromatographic isolation of individual glycerophospholipid molecular species. <i>Biomedical Applications</i> , 1997, 702, 21-32.	1.7	43
12	Endothelial Cell PAF Synthesis following Thrombin Stimulation Utilizes Ca ²⁺ -Independent Phospholipase A ₂ . <i>Biochemistry</i> , 2001, 40, 14921-14931.	2.5	43
13	Identification and distribution of endoplasmic reticulum iPLA ₂ . <i>Biochemical and Biophysical Research Communications</i> , 2005, 327, 287-293.	2.1	42
14	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
15	Stimulation of different phospholipase A ₂ isoforms by TNF- $\hat{\pm}$ and IL-1 $\hat{2}$ in adult rat ventricular myocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1998, 275, H1462-H1472.	3.2	41
16	Thrombin activates a membrane-associated calcium-independent PLA ₂ in ventricular myocytes. <i>American Journal of Physiology - Cell Physiology</i> , 1998, 274, C447-C454.	4.6	39
17	Platelet-activating factor and metastasis: calcium-independent phospholipase A ₂ ² deficiency protects against breast cancer metastasis to the lung. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 300, C825-C832.	4.6	39
18	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

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19	Myeloperoxidase-derived 2-chlorofatty acids contribute to human sepsis mortality via acute respiratory distress syndrome. <i>JCI Insight</i> , 2017, 2, .	5.0	38
20	Novel Role for Calcium-independent Phospholipase A2 in the Macrophage Antiviral Response of Inducible Nitric-oxide Synthase Expression. <i>Journal of Biological Chemistry</i> , 2002, 277, 38449-38455.	3.4	37
21	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
22	Characterization of tight junction proteins in cultured human urothelial cells. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2008, 44, 261-267.	1.5	36
23	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
24	Regulation of membrane-associated iPLA ₂ activity by a novel PKC isoform in ventricular myocytes. <i>American Journal of Physiology - Cell Physiology</i> , 2002, 283, C1621-C1626.	4.6	35
25	Alterations in Ca ²⁺ cycling by lysoplasmethylcholine in adult rabbit ventricular myocytes. <i>American Journal of Physiology - Cell Physiology</i> , 2003, 284, C826-C838.	4.6	34
26	Protease-activated receptor stimulation activates a Ca ²⁺ -independent phospholipase A2 in bladder microvascular endothelial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2005, 288, F714-F721.	2.7	32
27	Calcium-independent phospholipase A2 in isolated rabbit ventricular myocytes. <i>Lipids</i> , 1998, 33, 1203-1212.	1.7	30
28	Selective hydrolysis of plasmalogens in endothelial cells following thrombin stimulation. <i>American Journal of Physiology - Cell Physiology</i> , 1998, 275, C1498-C1507.	4.6	29
29	Endothelial Cell Prostaglandin I ₂ and Platelet-Activating Factor Production Are Markedly Attenuated in the Calcium-Independent Phospholipase A ₂ ¹ Knockout Mouse. <i>Biochemistry</i> , 2010, 49, 5473-5481.	2.5	27
30	Redistribution and abnormal activity of phospholipase A ₂ isoenzymes in postinfarct congestive heart failure. <i>American Journal of Physiology - Cell Physiology</i> , 2001, 280, C573-C580.	4.6	25
31	Phospholipase A2-catalyzed hydrolysis of plasmalogen phospholipids in thrombin-stimulated human platelets. <i>Thrombosis Research</i> , 2007, 120, 259-268.	1.7	25
32	Lung endothelial cell platelet-activating factor production and inflammatory cell adherence are increased in response to cigarette smoke component exposure. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2012, 302, L47-L55.	2.9	25
33	Enhanced breast cancer cell adherence to the lung endothelium via PAF acetylhydrolase inhibition: a potential mechanism for enhanced metastasis in smokers. <i>American Journal of Physiology - Cell Physiology</i> , 2014, 307, C951-C956.	4.6	25
34	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
35	Inhibition of calcium-independent phospholipase A2 prevents inflammatory mediator production in pulmonary microvascular endothelium. <i>Respiratory Physiology and Neurobiology</i> , 2009, 165, 167-174.	1.6	24
36	Cigarette smoke induces cell motility via platelet-activating factor accumulation in breast cancer cells: a potential mechanism for metastatic disease. <i>Physiological Reports</i> , 2015, 3, e12318.	1.7	23

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37	Induction of Ca-independent PLA2 and conservation of plasmalogen polyunsaturated fatty acids in diabetic heart. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2000, 279, E25-E32.	3.5	22
38	Selective plasmalogen substrate utilization by thrombin-stimulated Ca ²⁺ -independent PLA ₂ in cardiomyocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 278, H1933-H1940.	3.2	20
39	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
40	2-Chlorofatty acids induce Weibel-Palade body mobilization. <i>Journal of Lipid Research</i> , 2018, 59, 113-122.	4.2	20
41	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
42	Inactivation of Endoplasmic Reticulum Bound Ca ²⁺ -Independent Phospholipase A2 in Renal Cells during Oxidative Stress. <i>Journal of the American Society of Nephrology: JASN</i> , 2004, 15, 1441-1451.	6.1	19
43	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
44	Potential mechanism for recruitment and migration of CD133 positive cells to areas of vascular inflammation. <i>Thrombosis Research</i> , 2008, 123, 258-266.	1.7	17
45	Loss of prostaglandin E ₂ release from immortalized urothelial cells obtained from interstitial cystitis patient bladders. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 294, F1129-F1135.	2.7	16
46	Activation of group VI phospholipase A2 isoforms in cardiac endothelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 300, C872-C879.	4.6	16
47	Inhibition of membrane-associated calcium-independent phospholipase A2 as a potential culprit of anthracycline cardiotoxicity. <i>Cancer Research</i> , 2003, 63, 5992-8.	0.9	16
48	Anthracycline-induced phospholipase A2 inhibition. <i>Cardiovascular Toxicology</i> , 2007, 7, 86-91.	2.7	15
49	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
50	Cigarette smoking promotes bladder cancer via increased platelet-activating factor. <i>Physiological Reports</i> , 2019, 7, e13981.	1.7	15
51	PGE ₂ Release from Tryptase- ϵ -stimulated Rabbit Ventricular Myocytes is Mediated by Calcium-Independent Phospholipase A ₂ ³ . <i>Lipids</i> , 2011, 46, 391-7.	1.7	14
52	The Absence of Myocardial Calcium-Independent Phospholipase A ₂ ³ Results in Impaired Prostaglandin E ₂ Production and Decreased Survival in Mice with Acute Trypanosoma cruzi Infection. <i>Infection and Immunity</i> , 2013, 81, 2278-2287.	2.2	14
53	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
54	Chlorinated Lipids Elicit Inflammatory Responses in vitro and in vivo. <i>Shock</i> , 2019, 51, 114-122.	2.1	14

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55	Mice with Genetic Deletion of Group VIA Phospholipase A ₂ 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
56	Cigarette smoke-induced urothelial cell damage: potential role of platelet-activating factor. <i>Physiological Reports</i> , 2017, 5, e13177.	1.7	13
57	Changes in Phospholipid Content and Myocardial Calcium-Independent Phospholipase A2 Activity during Chronic Anthracycline Administration. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 311, 736-741.	2.5	12
58	Activation of MAPKs in thrombin-stimulated ventricular myocytes is dependent on Ca ²⁺ -independent PLA2. <i>American Journal of Physiology - Cell Physiology</i> , 2006, 290, C1350-C1354.	4.6	12
59	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
60	2-Chlorofatty Aldehyde Elicits Endothelial Cell Activation. <i>Frontiers in Physiology</i> , 2020, 11, 460.	2.8	12
61	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
62	Profiling of fatty acids released during calcium-induced mitochondrial permeability transition in isolated rabbit kidney cortex mitochondria. <i>Toxicology in Vitro</i> , 2011, 25, 1001-1006.	2.4	10
63	Absence of calcium-independent phospholipase A ₂ impairs platelet-activating factor production and inflammatory cell recruitment in Trypanosoma cruzi-infected endothelial cells. <i>Physiological Reports</i> , 2014, 2, e00196.	1.7	10
64	Tryptase activates calcium-independent phospholipase A2 and releases PGE2 in airway epithelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2008, 295, L925-L932.	2.9	9
65	Oxidant-Induced Inhibition of Myocardial Calcium-Independent Phospholipase A ₂ . <i>Cardiovascular Toxicology</i> , 2001, 1, 309-316.	2.7	8
66	Lysoplasménylcholine increases neutrophil adherence to human coronary artery endothelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 2007, 293, C1467-C1471.	4.6	8
67	Tryptase Activation of Immortalized Human Urothelial Cell Mitogen-Activated Protein Kinase. <i>PLoS ONE</i> , 2013, 8, e69948.	2.5	8
68	Comparative Roles of Phospholipase A ₂ Isoforms in Cardiovascular Pathophysiology. <i>Cardiovascular Toxicology</i> , 2001, 1, 253-266.	2.7	7
69	Calcium-Independent Phospholipase A ₂ in Rabbit Ventricular Myocytes. <i>Lipids</i> , 2008, 43, 775-782.	1.7	7
70	The Role of Endoplasmic Reticulum Ca ²⁺ -Independent Phospholipase A ₂ in Oxidant-Induced Lipid Peroxidation, Ca ²⁺ Release, and Renal Cell Death. <i>Toxicological Sciences</i> , 2012, 128, 544-552.	3.1	7
71	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
72	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

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73	Polymorphonuclear leukocytes isolated from umbilical cord blood as a useful research tool to study adherence to cell monolayers. <i>Journal of Immunological Methods</i> , 2009, 351, 30-35.	1.4	6
74	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
75	Impaired Expression of Prostaglandin E2 (PGE2) Synthesis and Degradation Enzymes during Differentiation of Immortalized Urothelial Cells from Patients with Interstitial Cystitis/Painful Bladder Syndrome. <i>PLoS ONE</i> , 2015, 10, e0129466.	2.5	2
76	Urothelial Cell Platelet-activating Factor Production Mediated by Calcium-independent Phospholipase A2 β . <i>Urology</i> , 2011, 77, 248.e1-248.e7.	1.0	1
77	Recruitment of inflammatory cells to the bladder endothelium exposed to cigarette smoke extract (669.1). <i>FASEB Journal</i> , 2014, 28, 669.1.	0.5	1
78	Choline lysophospholipid release from human coronary artery endothelial cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 42, S232-S233.	1.9	0
79	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
80	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
81	Inhibition of calcium-independent phospholipase A2 in pulmonary microvascular endothelium prevents inflammatory mediator production. <i>FASEB Journal</i> , 2007, 21, A862.	0.5	0
82	Characterization of stratification and tight junction formation in cultured human urothelial cells. <i>FASEB Journal</i> , 2008, 22, 1203.1.	0.5	0
83	Thrombin activates calcium independent phospholipase A 2 (iPLA 2) in lung microvascular endothelial cells. <i>FASEB Journal</i> , 2008, 22, 1178.6.	0.5	0
84	Impaired prostaglandin E 2 (PGE 2) production in urothelial cells from an interstitial cystitis patient. <i>FASEB Journal</i> , 2008, 22, .	0.5	0
85	Transendothelial migration of CD133+ hematopoietic progenitor cells isolated from human umbilical cord blood. <i>FASEB Journal</i> , 2008, 22, 1179.1.	0.5	0
86	Thrombin induces calcium independent phospholipase A 2 (iPLA 2) activity and neutrophil adherence in human small airways epithelial cells. <i>FASEB Journal</i> , 2008, 22, 762.1.	0.5	0
87	Recruitment of Inflammatory cells to the Lung is Dependent upon Platelet Activating Factor production in Smokers. <i>FASEB Journal</i> , 2010, 24, .	0.5	0
88	Activation of calcium-independent phospholipase A 2 following protease-activated receptor cleavage in mouse cardiomyocytes. <i>FASEB Journal</i> , 2011, 25, 1112.6.	0.5	0
89	Phospholipase A2 Enzymes: Potential Targets for Therapy. , 2014, , 177-198.		0
90	Increased platelet-activating factor accumulation in the endothelium in response to cigarette smoke may contribute to breast cancer metastasis (405.5). <i>FASEB Journal</i> , 2014, 28, 405.5.	0.5	0

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91	Is cigarette smoking an independent risk factor of metastatic disease in prostate cancer? (1047.15). FASEB Journal, 2014, 28, 1047.15.	0.5	0
92	PMN recruitment to small airway epithelial cells in response to cigarette smoke extract (694.8). FASEB Journal, 2014, 28, 694.8.	0.5	0
93	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
94	Redistribution of calcium-independent phospholipase A 2 isoforms in IC/PBS urothelial cells (488.2). FASEB Journal, 2014, 28, 488.2.	0.5	0
95	Cigarette Smoking is Associated with PEDF Downregulation in the Myocardium. FASEB Journal, 2018, 32, 675.7.	0.5	0
96	Alterations in Phospholipase A 2 -Mediated Pathways in Smokers: A Potential Mediator of Skin Cancer Development. FASEB Journal, 2020, 34, 1-1.	0.5	0
97	Exposure to Cigarette Smoke is Linked to Platelet-Activating Factor Accumulation in Myocardial Tissue. FASEB Journal, 2020, 34, 1-1.	0.5	0
98	Cigarette Smoke Upregulates Phospholipase A ₂ -Mediated Metabolic Pathway Expression in the Bladder: A Potential Promoter of Tumorigenesis. FASEB Journal, 2020, 34, 1-1.	0.5	0