

Min Xia

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106
papers

3,451
citations

32
h-index

58
g-index

106
ext. papers

3,882
ext. citations

3.7
avg, IF

5.12
L-index

#	Paper	IF	Citations
106	Production and actions of hydrogen sulfide, a novel gaseous bioactive substance, in the kidneys. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009 , 329, 1056-62	4.7	709
105	Redox regulation of NLRP3 inflammasomes: ROS as trigger or effector?. <i>Antioxidants and Redox Signaling</i> , 2015 , 22, 1111-29	8.4	439
104	Activation of Nod-like receptor protein 3 inflammasomes turns on podocyte injury and glomerular sclerosis in hyperhomocysteinemia. <i>Hypertension</i> , 2012 , 60, 154-62	8.5	138
103	NADPH oxidase-mediated triggering of inflammasome activation in mouse podocytes and glomeruli during hyperhomocysteinemia. <i>Antioxidants and Redox Signaling</i> , 2013 , 18, 1537-48	8.4	102
102	Acid sphingomyelinase and its redox amplification in formation of lipid raft redox signaling platforms in endothelial cells. <i>Antioxidants and Redox Signaling</i> , 2007 , 9, 817-28	8.4	94
101	Nod-like receptor protein 3 (NLRP3) inflammasome activation and podocyte injury via thioredoxin-interacting protein (TXNIP) during hyperhomocysteinemia. <i>Journal of Biological Chemistry</i> , 2014 , 289, 27159-27168	5.4	92
100	Endothelial NLRP3 inflammasome activation and enhanced neointima formation in mice by adipokine visfatin. <i>American Journal of Pathology</i> , 2014 , 184, 1617-28	5.8	76
99	Activation of Nlrp3 inflammasomes enhances macrophage lipid-deposition and migration: implication of a novel role of inflammasome in atherogenesis. <i>PLoS ONE</i> , 2014 , 9, e87552	3.7	73
98	Role of sphingolipid mediator ceramide in obesity and renal injury in mice fed a high-fat diet. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010 , 334, 839-46	4.7	71
97	Salt-sensitive hypertension induced by decoy of transcription factor hypoxia-inducible factor-1alpha in the renal medulla. <i>Circulation Research</i> , 2008 , 102, 1101-8	15.7	62
96	Silencing of hypoxia-inducible factor-1 gene attenuated angiotensin II-induced renal injury in Sprague-Dawley rats. <i>Hypertension</i> , 2011 , 58, 657-64	8.5	61
95	Contribution of guanine nucleotide exchange factor Vav2 to hyperhomocysteinemic glomerulosclerosis in rats. <i>Hypertension</i> , 2009 , 53, 90-6	8.5	60
94	Contribution of endogenously produced reactive oxygen species to the activation of podocyte NLRP3 inflammasomes in hyperhomocysteinemia. <i>Free Radical Biology and Medicine</i> , 2014 , 67, 211-20	7.8	59
93	Activation of inflammasomes in podocyte injury of mice on the high fat diet: Effects of ASC gene deletion and silencing. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014 , 1843, 836-45	4.9	59
92	Endothelial NLRP3 inflammasome activation and arterial neointima formation associated with acid sphingomyelinase during hypercholesterolemia. <i>Redox Biology</i> , 2017 , 13, 336-344	11.3	53
91	Membrane raft-lysosome redox signalling platforms in coronary endothelial dysfunction induced by adipokine visfatin. <i>Cardiovascular Research</i> , 2011 , 89, 401-9	9.9	51
90	Podocyte injury and glomerulosclerosis in hyperhomocysteinemic rats. <i>American Journal of Nephrology</i> , 2007 , 27, 262-8	4.6	51

89	Redox signaling via lipid raft clustering in homocysteine-induced injury of podocytes. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2010 , 1803, 482-91	4.9	49
88	Control of autophagy maturation by acid sphingomyelinase in mouse coronary arterial smooth muscle cells: protective role in atherosclerosis. <i>Journal of Molecular Medicine</i> , 2014 , 92, 473-85	5.5	48
87	Visfatin-induced lipid raft redox signaling platforms and dysfunction in glomerular endothelial cells. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2010 , 1801, 1294-304	5	45
86	Defective autophagosome trafficking contributes to impaired autophagic flux in coronary arterial myocytes lacking CD38 gene. <i>Cardiovascular Research</i> , 2014 , 102, 68-78	9.9	41
85	Hypoxia-inducible factor prolyl-hydroxylase 2 senses high-salt intake to increase hypoxia inducible factor 1alpha levels in the renal medulla. <i>Hypertension</i> , 2010 , 55, 1129-36	8.5	41
84	NMDA receptor-mediated activation of NADPH oxidase and glomerulosclerosis in hyperhomocysteinemic rats. <i>Antioxidants and Redox Signaling</i> , 2010 , 13, 975-86	8.4	40
83	Protection of podocytes from hyperhomocysteinemia-induced injury by deletion of the gp91phox gene. <i>Free Radical Biology and Medicine</i> , 2010 , 48, 1109-17	7.8	40
82	Acid sphingomyelinase gene deficiency ameliorates the hyperhomocysteinemia-induced glomerular injury in mice. <i>American Journal of Pathology</i> , 2011 , 179, 2210-9	5.8	39
81	Enhanced epithelial-to-mesenchymal transition associated with lysosome dysfunction in podocytes: role of p62/Sequestosome 1 as a signaling hub. <i>Cellular Physiology and Biochemistry</i> , 2015 , 35, 1773-86	3.9	38
80	Lysosome fusion to the cell membrane is mediated by the dysferlin C2A domain in coronary arterial endothelial cells. <i>Journal of Cell Science</i> , 2012 , 125, 1225-34	5.3	36
79	Lysosome-dependent Ca(2+) release response to Fas activation in coronary arterial myocytes through NAADP: evidence from CD38 gene knockouts. <i>American Journal of Physiology - Cell Physiology</i> , 2010 , 298, C1209-16	5.4	35
78	TRAIL death receptor 4 signaling via lysosome fusion and membrane raft clustering in coronary arterial endothelial cells: evidence from ASM knockout mice. <i>Journal of Molecular Medicine</i> , 2013 , 91, 25-36	5.5	34
77	NAD(P)H oxidase-dependent intracellular and extracellular O2 [•] production in coronary arterial myocytes from CD38 knockout mice. <i>Free Radical Biology and Medicine</i> , 2012 , 52, 357-65	7.8	34
76	Requirement of translocated lysosomal V1 H(+)-ATPase for activation of membrane acid sphingomyelinase and raft clustering in coronary endothelial cells. <i>Molecular Biology of the Cell</i> , 2012 , 23, 1546-57	3.5	32
75	Local production of O2 ⁻ by NAD(P)H oxidase in the sarcoplasmic reticulum of coronary arterial myocytes: cADPR-mediated Ca ²⁺ regulation. <i>Cellular Signalling</i> , 2008 , 20, 637-44	4.9	32
74	Inhibition of hyperhomocysteinemia-induced inflammasome activation and glomerular sclerosis by NLRP3 gene deletion. <i>Cellular Physiology and Biochemistry</i> , 2014 , 34, 829-41	3.9	31
73	Implication of CD38 gene in podocyte epithelial-to-mesenchymal transition and glomerular sclerosis. <i>Journal of Cellular and Molecular Medicine</i> , 2012 , 16, 1674-85	5.6	31
72	Production and actions of the anandamide metabolite prostamide E2 in the renal medulla. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012 , 342, 770-9	4.7	31

71	Expression of human tissue factor pathway inhibitor on vascular smooth muscle cells inhibits secretion of macrophage migration inhibitory factor and attenuates atherosclerosis in ApoE ^{-/-} mice. <i>Circulation</i> , 2015 , 131, 1350-60	16.7	30
70	Instigation of NLRP3 inflammasome activation and glomerular injury in mice on the high fat diet: role of acid sphingomyelinase gene. <i>Oncotarget</i> , 2016 , 7, 19031-44	3.3	30
69	Attenuation by statins of membrane raft-redox signaling in coronary arterial endothelium. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2013 , 345, 170-9	4.7	29
68	Formation of lipid raft redox signalling platforms in glomerular endothelial cells: an early event of homocysteine-induced glomerular injury. <i>Journal of Cellular and Molecular Medicine</i> , 2009 , 13, 3303-14	5.6	28
67	Triggering role of acid sphingomyelinase in endothelial lysosome-membrane fusion and dysfunction in coronary arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010 , 298, H992-H1002	5.2	27
66	A novel lipid natriuretic factor in the renal medulla: sphingosine-1-phosphate. <i>American Journal of Physiology - Renal Physiology</i> , 2011 , 301, F35-41	4.3	27
65	Activation of NLRP3 inflammasomes in mouse hepatic stellate cells during <i>Schistosoma J.</i> infection. <i>Oncotarget</i> , 2016 , 7, 39316-39331	3.3	27
64	Autophagy maturation associated with CD38-mediated regulation of lysosome function in mouse glomerular podocytes. <i>Journal of Cellular and Molecular Medicine</i> , 2013 , 17, 1598-607	5.6	26
63	Regulation of autophagic flux by dynein-mediated autophagosomes trafficking in mouse coronary arterial myocytes. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013 , 1833, 3228-3236	4.9	23
62	Reversal by growth hormone of homocysteine-induced epithelial-to-mesenchymal transition through membrane raft-redox signaling in podocytes. <i>Cellular Physiology and Biochemistry</i> , 2011 , 27, 691-702	3.9	23
61	Anandamide and its metabolites: what are their roles in the kidney?. <i>Frontiers in Bioscience - Scholar</i> , 2016 , 8, 264-77	2.4	23
60	Epithelial-to-mesenchymal transition in podocytes mediated by activation of NADPH oxidase in hyperhomocysteinemia. <i>Pflugers Archiv European Journal of Physiology</i> , 2011 , 462, 455-67	4.6	22
59	Overexpression of HIF-1 α transgene in the renal medulla attenuated salt sensitive hypertension in Dahl S rats. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012 , 1822, 936-41	6.9	21
58	The efficacy and safety of subcutaneous immunotherapy in mite-sensitized subjects with asthma: a meta-analysis. <i>Respiratory Care</i> , 2015 , 60, 269-78	2.1	20
57	Sphingolipids in obesity and related complications. <i>Frontiers in Bioscience - Landmark</i> , 2017 , 22, 96-116	2.8	20
56	Acid sphingomyelinase gene knockout ameliorates hyperhomocysteinemic glomerular injury in mice lacking cystathionine- β -synthase. <i>PLoS ONE</i> , 2012 , 7, e45020	3.7	20
55	Transplantation of mesenchymal stem cells into the renal medulla attenuated salt-sensitive hypertension in Dahl S rat. <i>Journal of Molecular Medicine</i> , 2014 , 92, 1139-45	5.5	16
54	Protective Action of Anandamide and Its COX-2 Metabolite against l-Homocysteine-Induced NLRP3 Inflammasome Activation and Injury in Podocytes. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2016 , 358, 61-70	4.7	14

53	Implication of CD38 gene in autophagic degradation of collagen I in mouse coronary arterial myocytes. <i>Frontiers in Bioscience - Landmark</i> , 2017 , 22, 558-569	2.8	10
52	Role of cyclic ADP-ribose-Ca ²⁺ signaling in mediating renin production and release in As4.1 cells. <i>Cellular Physiology and Biochemistry</i> , 2007 , 19, 293-302	3.9	10
51	Increased HMGB1 expression correlates with higher expression of c-IAP2 and pERK in colorectal cancer. <i>Medicine (United States)</i> , 2019 , 98, e14069	1.8	9
50	Characterization and Activation of NLRP3 Inflammasomes in the Renal Medulla in Mice. <i>Kidney and Blood Pressure Research</i> , 2016 , 41, 208-21	3.1	9
49	Epigenetic regulation of TXNIP-mediated oxidative stress and NLRP3 inflammasome activation contributes to SAHH inhibition-aggravated diabetic nephropathy. <i>Redox Biology</i> , 2021 , 45, 102033	11.3	9
48	Protective role of growth hormone against hyperhomocysteinemia-induced glomerular injury. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2013 , 386, 551-61	3.4	8
47	Regulation of renin release via cyclic ADP-ribose-mediated signaling: evidence from mice lacking CD38 gene. <i>Cellular Physiology and Biochemistry</i> , 2013 , 31, 44-55	3.9	8
46	SNARE-mediated rapid lysosome fusion in membrane raft clustering and dysfunction of bovine coronary arterial endothelium. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011 , 301, H2028-37	5.2	8
45	Telemetric signal-driven servocontrol of renal perfusion pressure in acute and chronic rat experiments. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008 , 295, R1494-501	3.2	6
44	Podocyte NLRP3 Inflammasome Activation and Formation by Adipokine Visfatin. <i>Cellular Physiology and Biochemistry</i> , 2019 , 53, 355-365	3.9	6
43	Instant membrane resealing in nlrp3 inflammasome activation of endothelial cells. <i>Frontiers in Bioscience - Landmark</i> , 2016 , 21, 635-50	2.8	6
42	Potential Effects of Interleukins on the Pathogenesis of Systemic Onset Juvenile Idiopathic Arthritis. <i>Pediatrics and Neonatology</i> , 2016 , 57, 396-401	1.8	5
41	Hookworm Anemia in a Peritoneal Dialysis Patient in China. <i>Korean Journal of Parasitology</i> , 2016 , 54, 315-7	1.7	2
40	Activation of Endothelial NLRP3 Inflammasomes associated with Acid Sphingomyelinase-dependent Formation of Membrane Raft Redox Signaling Platforms. <i>FASEB Journal</i> , 2015 , 29, 797.8	0.9	1
39	Thioredoxin-Interacting Protein Mediates Hcys-induced NLRP3 Inflammasome Activation in Mouse Podocytes. <i>FASEB Journal</i> , 2013 , 27, 704.7	0.9	1
38	Protective Action of Prostamide E2 from Homocysteine-induced NLRP3Inflammasome Activation and Podocyte Injury. <i>FASEB Journal</i> , 2015 , 29, 808.12	0.9	0
37	In Vivo Ultrasound Microbubble-Mediated Gene Transfection and Expression Monitoring in the Renal Medulla of Rats. <i>FASEB Journal</i> , 2007 , 21, A438	0.9	
36	Dynamic In vivo Imaging of NADPH Oxidase Gene Expression to Monitor its Involvement in Morphine's Actions. <i>FASEB Journal</i> , 2008 , 22, 1125.13	0.9	

35	Lipid Rafts-Mediated Clustering and Activation of CD38 during M1-Receptor Stimulation in Bovine Coronary Arterial Myocytes. <i>FASEB Journal</i> , 2008 , 22, 965.14	0.9
34	Contribution of Vav2 to Glomerular Injury via NADPH Oxidase Activation in Hyperhomocysteinemia. <i>FASEB Journal</i> , 2008 , 22, 1160.5	0.9
33	Telemetric Signal-Driven Servo-Control of Renal Perfusion Pressure in Rats. <i>FASEB Journal</i> , 2008 , 22, 761.27	0.9
32	Contribution of guanine nucleotide exchange factor Vav2 to homocysteine-induced NLRP3 inflammasome activation in mouse podocytes (1063.6). <i>FASEB Journal</i> , 2014 , 28, 1063.6	0.9
31	Prevention of High Fat-induced Podocyte Injury and Glomerular Sclerosis in Mice Lacking Nod-like Receptor Protein 3: Role of Inflammasome Extinction. <i>FASEB Journal</i> , 2015 , 29, 960.18	0.9
30	Podocyte Specific Deletion of Acid Ceramidase Predisposes Mice to Obesity-Induced Glomerular Injury. <i>FASEB Journal</i> , 2015 , 29, 663.13	0.9
29	Enhanced NLRP3 Inflammasome Activation by Impairment of Instant Membrane Resealing in Endothelial Cells. <i>FASEB Journal</i> , 2015 , 29, 797.4	0.9
28	Enhanced Epithelial-to-Mesenchymal Transition Associated with Lysosome Dysfunction in Podocytes: Role of p62/Sequestosome 1 as a Signaling Hub. <i>FASEB Journal</i> , 2015 , 29, 938.9	0.9
27	Ca ²⁺ -dependent and Ceramide-mediated Membrane Repair with Annexin V Recruitment and Aggregation in Mouse Endothelial Cells. <i>FASEB Journal</i> , 2015 , 29, 944.10	0.9
26	Overexpression of a HIF prolyl-4-hydroxylase Transgene in the Renal Medulla Increases the Salt Sensitivity of Arterial Blood Pressure. <i>FASEB Journal</i> , 2009 , 23, 1017.28	0.9
25	Overexpression of HIF-1 α transgene in the renal medulla attenuated salt-sensitive hypertension in Dahl S rats. <i>FASEB Journal</i> , 2010 , 24, 982.13	0.9
24	Salt sensitive hypertension associated with stem cell defect in the renal medulla of Dahl S rats. <i>FASEB Journal</i> , 2010 , 24, 982.12	0.9
23	Visfatin-Induced Lipid Raft Redox Signaling Platforms and Hyperpermeability in Glomerular Endothelial Cells. <i>FASEB Journal</i> , 2010 , 24, 996.3	0.9
22	Homocysteine induces epithelial-to-mesenchymal transition of podocytes through the activation of NADPH oxidase. <i>FASEB Journal</i> , 2010 , 24, 1059.5	0.9
21	Protection of Glomeruli from Hyperhomocysteinemia-Induced Injury in Acid Sphingomyelinase Gene Knockout Mice. <i>FASEB Journal</i> , 2010 , 24, 1059.13	0.9
20	Turning on inflammatory response to homocysteine through activation of inflammasomes in podocytes. <i>FASEB Journal</i> , 2010 , 24, 590.14	0.9
19	Amelioration of glomerulosclerosis by NMDA receptor blockade in hyperhomocysteinemic rats. <i>FASEB Journal</i> , 2010 , 24, 1059.6	0.9
18	Activation of Inflammasomes by Visfatin in Mouse Endothelial Cells. <i>FASEB Journal</i> , 2010 , 24, 996.4	0.9

- 17 Implication of CD38 Gene in Podocytes Epithelial to Mesenchymal Transition and Glomerular Sclerosis. *FASEB Journal*, **2011**, 25, 665.12 0.9
- 16 Activation of Inflammasomes as a Triggering Mechanism of Glomerular Injury in Mice on the High Fat Diet. *FASEB Journal*, **2011**, 25, 1028.6 0.9
- 15 Abrogation by Growth Hormone of Homocysteine-Induced Epithelial-to-Mesenchymal Transition through Lipid Raft Redox Signaling in Podocytes. *FASEB Journal*, **2011**, 25, 665.22 0.9
- 14 Characteristics and Hypertensive Actions of Renal Medullary NALP3 Inflammasomes in Mice. *FASEB Journal*, **2012**, 26, 879.4 0.9
- 13 NALP3 Inflammasome Activation in the Coronary Arterial Wall of Obese Mice. *FASEB Journal*, **2012**, 26, 877.7 0.9
- 12 Inhibition of NADPH Oxidase Attenuates Hyperhomocysteinemia-induced NALP3 Inflammasome Activation in Mouse Glomeruli. *FASEB Journal*, **2012**, 26, 691.10 0.9
- 11 Acid Sphingomyelinase Gene Knockout Ameliorates Hyperhomocysteinemic Glomerular Injury in Mice Lacking Cystathionine Synthase. *FASEB Journal*, **2012**, 26, 691.6 0.9
- 10 Autophagy Maturation Controlled by CD38-Lysosome Signaling in Glomerular Podocytes of Mice. *FASEB Journal*, **2012**, 26, 690.14 0.9
- 9 Role of Different Reactive Oxygen Species in Homocysteine-induced NALP3 Inflammasome Activation in Mouse Podocytes. *FASEB Journal*, **2012**, 26, 691.9 0.9
- 8 Instigation of NALP3 Inflammasome Activation and Glomerular Injury in Mice on the High Fat Diet: Role of Acid Sphingomyelinase Gene. *FASEB Journal*, **2012**, 26, 690.7 0.9
- 7 Contribution of Reactive Oxygen Species to NLRP3 Inflammasome Activation in Glomeruli of Mice with Hyperhomocysteinemia. *FASEB Journal*, **2013**, 27, 890.3 0.9
- 6 Epithelial-to-Mesenchymal Transition Induced by Accumulation of Autophagosomes in Podocytes. *FASEB Journal*, **2013**, 27, 889.7 0.9
- 5 Regulation of Renal Sodium Excretion by Medullary NLRP3 Inflammasome Activation beyond Turning on Inflammation. *FASEB Journal*, **2013**, 27, 1115.5 0.9
- 4 The Anandamide Cyclooxygenase-2 Metabolite, Prostamide E2, as a Novel Diuretic and Natriuretic Lipid in the Mouse Renal Medulla. *FASEB Journal*, **2013**, 27, 703.7 0.9
- 3 High Fat Diet Failed to Induce NALP3 Inflammasome Activation and Glomerular Injury in Apoptosis-Associated Speck-like Protein (ASC) Knockout Mice. *FASEB Journal*, **2013**, 27, 889.5 0.9
- 2 Reversal of ATP-Induced NLRP3 Inflammasome Activation and Lipids Deposition in Macrophages from Mice Lacking Apoptosis-associated Speck-like Protein (ASC) Gene. *FASEB Journal*, **2013**, 27, 686.11 0.9
- 1 Inhibition of Hyperhomocysteinemia-Induced Inflammasome Activation and Glomerular Sclerosis by NLRP3 Gene Deletion. *FASEB Journal*, **2013**, 27, 704.6 0.9