Krishna M Boini

List of Publications by Year
in descending order

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75	3,481	117571	149623
papers	citations	34 h-index	56 g-index

75	75	75	5304
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Redox Regulation of NLRP3 Inflammasomes: ROS as Trigger or Effector?. Antioxidants and Redox Signaling, 2015, 22, 1111-1129.	2.5	630
2	Trimethylamine-N-Oxide Instigates NLRP3 Inflammasome Activation and Endothelial Dysfunction. Cellular Physiology and Biochemistry, 2017, 44, 152-162.	1.1	187
3	Activation of Nod-Like Receptor Protein 3 Inflammasomes Turns on Podocyte Injury and Glomerular Sclerosis in Hyperhomocysteinemia. Hypertension, 2012, 60, 154-162.	1.3	168
4	NADPH Oxidase-Mediated Triggering of Inflammasome Activation in Mouse Podocytes and Glomeruli During Hyperhomocysteinemia. Antioxidants and Redox Signaling, 2013, 18, 1537-1548.	2.5	124
5	Enhancement of Autophagy by Simvastatin through Inhibition of Rac1-mTOR Signaling Pathway in Coronary Arterial Myocytes. Cellular Physiology and Biochemistry, 2013, 31, 925-937.	1.1	121
6	Nod-like Receptor Protein 3 (NLRP3) Inflammasome Activation and Podocyte Injury via Thioredoxin-Interacting Protein (TXNIP) during Hyperhomocysteinemia. Journal of Biological Chemistry, 2014, 289, 27159-27168.	1.6	120
7	EMD638683, a Novel SGK Inhibitor with Antihypertensive Potency. Cellular Physiology and Biochemistry, 2011, 28, 137-146.	1.1	107
8	Endothelial Nlrp3 inflammasome activation associated with lysosomal destabilization during coronary arteritis. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 396-408.	1.9	102
9	Activation of Nlrp3 Inflammasomes Enhances Macrophage Lipid-Deposition and Migration: Implication of a Novel Role of Inflammasome in Atherogenesis. PLoS ONE, 2014, 9, e87552.	1.1	100
10	Endothelial NLRP3 Inflammasome Activation and Enhanced Neointima Formation in Mice by Adipokine Visfatin. American Journal of Pathology, 2014, 184, 1617-1628.	1.9	98
11	Role of Sphingolipid Mediator Ceramide in Obesity and Renal Injury in Mice Fed a High-Fat Diet. Journal of Pharmacology and Experimental Therapeutics, 2010, 334, 839-846.	1.3	88
12	Endothelial NLRP3 inflammasome activation and arterial neointima formation associated with acid sphingomyelinase during hypercholesterolemia. Redox Biology, 2017, 13, 336-344.	3.9	79
13	Influence of NO Synthase Inhibitor L-NAME on Parasitemia and Survival of <i>Plasmodium berghei</i> Infected Mice. Cellular Physiology and Biochemistry, 2008, 21, 481-488.	1.1	78
14	Activation of inflammasomes in podocyte injury of mice on the high fat diet: Effects of ASC gene deletion and silencing. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 836-845.	1.9	72
15	Contribution of endogenously produced reactive oxygen species to the activation of podocyte NLRP3 inflammasomes in hyperhomocysteinemia. Free Radical Biology and Medicine, 2014, 67, 211-220.	1.3	69
16	Blunted hypertensive effect of combined fructose and high-salt diet in gene-targeted mice lacking functional serum- and glucocorticoid-inducible kinase SGK1. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 290, R935-R944.	0.9	64
17	Membrane raftâ€“lysosome redox signalling platforms in coronary endothelial dysfunction induced by adipokine visfatin. Cardiovascular Research, 2011, 89, 401-409.	1.8	64
18	Resistance of mice lacking the serum- and glucocorticoid-inducible kinase SGK1 against salt-sensitive hypertension induced by a high-fat diet. American Journal of Physiology - Renal Physiology, 2006, 291, F1264-F1273.	1.3	62

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19	Visfatin-induced lipid raft redox signaling platforms and dysfunction in glomerular endothelial cells. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2010, 1801, 1294-1304.	1.2	56
20	Control of autophagy maturation by acid sphingomyelinase in mouse coronary arterial smooth muscle cells: protective role in atherosclerosis. Journal of Molecular Medicine, 2014, 92, 473-485.	1.7	56
21	Redox signaling via lipid raft clustering in homocysteine-induced injury of podocytes. Biochimica Et Biophysica Acta - Molecular Cell Research, 2010, 1803, 482-491.	1.9	55
22	Sodium butyrate attenuates angiotensin IIâ€induced cardiac hypertrophy by inhibiting COX2/PGE2 pathway via a HDAC5/HDAC6â€dependent mechanism. Journal of Cellular and Molecular Medicine, 2019, 23, 8139-8150.	1.6	54
23	Defective autophagosome trafficking contributes to impaired autophagic flux in coronary arterial myocytes lacking CD38 gene. Cardiovascular Research, 2014, 102, 68-78.	1.8	53
24	High Mobility Group Box 1 Mediates TMAO-Induced Endothelial Dysfunction. International Journal of Molecular Sciences, 2019, 20, 3570.	1.8	51
25	Acid Sphingomyelinase Gene Deficiency Ameliorates the Hyperhomocysteinemia-Induced Glomerular Injury in Mice. American Journal of Pathology, 2011, 179, 2210-2219.	1.9	49
26	TRAIL death receptor 4 signaling via lysosome fusion and membrane raft clustering in coronary arterial endothelial cells: evidence from ASM knockout mice. Journal of Molecular Medicine, 2013, 91, 25-36.	1.7	48
27	Activation of NLRP3 inflammasomes in mouse hepatic stellate cells during Schistosoma J. infection. Oncotarget, 2016, 7, 39316-39331.	0.8	47
28	Inflammasome Activation in Chronic Glomerular Diseases. Current Drug Targets, 2017, 18, 1019-1029.	1.0	44
29	Protection of podocytes from hyperhomocysteinemia-induced injury by deletion of the gp91phox gene. Free Radical Biology and Medicine, 2010, 48, 1109-1117.	1.3	43
30	NMDA Receptor-Mediated Activation of NADPH Oxidase and Glomerulosclerosis in Hyperhomocysteinemic Rats. Antioxidants and Redox Signaling, 2010, 13, 975-986.	2.5	43
31	Serum- and Glucocorticoid-Inducible Kinase 1 Mediates Salt Sensitivity of Glucose Tolerance. Diabetes, 2006, 55, 2059-2066.	0.3	41
32	Implication of CD38 gene in podocyte epithelialâ€toâ€mesenchymal transition and glomerular sclerosis. Journal of Cellular and Molecular Medicine, 2012, 16, 1674-1685.	1.6	37
33	Instigation of NLRP3 inflammasome activation and glomerular injury in mice on the high fat diet: role of acid sphingomyelinase gene. Oncotarget, 2016, 7, 19031-19044.	0.8	37
34	Sphingolipids in obesity and related complications. Frontiers in Bioscience - Landmark, 2017, 22, 96-116.	3.0	35
35	Attenuation by Statins of Membrane Raft-Redox Signaling in Coronary Arterial Endothelium. Journal of Pharmacology and Experimental Therapeutics, 2013, 345, 170-179.	1.3	34
36	Inhibition of Hyperhomocysteinemia-Induced Inflammasome Activation and Glomerular Sclerosis by NLRP3 Gene Deletion. Cellular Physiology and Biochemistry, 2014, 34, 829-841.	1.1	34

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37	Autophagy maturation associated with <scp>CD</scp>38â€mediated regulation of lysosome function in mouse glomerular podocytes. Journal of Cellular and Molecular Medicine, 2013, 17, 1598-1607.	1.6	31
38	Cathepsin B-Mediated NLRP3 Inflammasome Formation and Activation in Angiotensin II -Induced Hypertensive Mice: Role of Macrophage Digestion Dysfunction. Cellular Physiology and Biochemistry, 2018, 50, 1585-1600.	1.1	31
39	Proteinuria in mice expressing PKB/SGK-resistant GSK3. American Journal of Physiology - Renal Physiology, 2009, 296, F153-F159.	1.3	28
40	Epithelial-to-mesenchymal transition in podocytes mediated by activation of NADPH oxidase in hyperhomocysteinemia. Pflugers Archiv European Journal of Physiology, 2011, 462, 455-467.	1.3	26
41	Hypoxia inducible factor-1Î± mediates the profibrotic effect of albumin in renal tubular cells. Scientific Reports, 2017, 7, 15878.	1.6	24
42	Acid Sphingomyelinase Gene Knockout Ameliorates Hyperhomocysteinemic Glomerular Injury in Mice Lacking Cystathionine-Î²-Synthase. PLoS ONE, 2012, 7, e45020.	1.1	22
43	Steroid hormone release as well as renal water and electrolyte excretion of mice expressing PKB/SGK-resistant GSK3. Pflugers Archiv European Journal of Physiology, 2008, 456, 1207-1216.	1.3	21
44	Contribution of p62/SQSTM1 to PDGF-BB-induced myofibroblast-like phenotypic transition in vascular smooth muscle cells lacking Smpd1 gene. Cell Death and Disease, 2018, 9, 1145.	2.7	21
45	Role of Serum- and Glucocorticoid-Inducible Kinase SGK1 in Glucocorticoid Regulation of Renal Electrolyte Excretion and Blood Pressure. Kidney and Blood Pressure Research, 2008, 31, 280-289.	0.9	19
46	Contribution of guanine nucleotide exchange factor Vav2 to NLRP3 inflammasome activation in mouse podocytes during hyperhomocysteinemia. Free Radical Biology and Medicine, 2017, 106, 236-244.	1.3	19
47	SGK1 dependence of insulin induced hypokalemia. Pflugers Archiv European Journal of Physiology, 2009, 457, 955-961.	1.3	16
48	Podocyte NLRP3 Inflammasome Activation and Formation by Adipokine Visfatin. Cellular Physiology and Biochemistry, 2019, 53, 355-365.	1.1	13
49	Nicotine instigates podocyte injury via NLRP3 inflammasomes activation. Aging, 2019, 11, 12810-12821.	1.4	12
50	Characterization and Activation of NLRP3 Inflammasomes in the Renal Medulla in Mice. Kidney and Blood Pressure Research, 2016, 41, 208-221.	0.9	11
51	Implication of CD38 gene in autophagic degradation of collagen I in mouse coronary arterial myocytes. Frontiers in Bioscience - Landmark, 2017, 22, 558-569.	3.0	11
52	Post-stroke mRNA expression profile of MMPs: effect of genetic deletion of MMP-12. Stroke and Vascular Neurology, 2018, 3, 153-159.	1.5	9
53	Tricyclic antidepressant amitriptyline inhibits autophagic flux and prevents tube formation in vascular endothelial cells. Basic and Clinical Pharmacology and Toxicology, 2019, 124, 370-384.	1.2	9
54	Infusion of Valproic Acid Into the Renal Medulla Activates Stem Cell Population and Attenuates Salt-Sensitive Hypertension in Dahl S Rats. Cellular Physiology and Biochemistry, 2017, 42, 1264-1273.	1.1	4

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55	TMAO Activates Carotid Endothelial Inflammasomes Leading to Enhanced Neointimal Formation in Nlrp3 Mice. FASEB Journal, 2020, 34, 1-1.	0.2	3
56	Thioredoxinâ€Interacting Protein Mediates Hcysâ€induced NLRP3 Inflammasome Activation in Mouse Podocytes. FASEB Journal, 2013, 27, 704.7.	0.2	1
57	Visfatinâ€Induced Lipid Raft Redox Signaling Platforms and Hyperpermeability in Glomerular Endothelial Cells. FASEB Journal, 2010, 24, 996.3.	0.2	0
58	Homocysteine induces epithelialâ€toâ€mesenchymal transition of podocytes through the activation of NADPH oxidase. FASEB Journal, 2010, 24, 1059.5.	0.2	0
59	Protection of Glomeruli from Hyperhomocysteinemiaâ€Induced Injury in Acid Sphingomyelinase Gene Knockout Mice. FASEB Journal, 2010, 24, 1059.13.	0.2	0
60	Turning on inflammatory response to homocysteine through activation of infammasomes in podocytes. FASEB Journal, 2010, 24, 590.14.	0.2	0
61	Implication of CD38 Gene in Podocytes Epithelial to Mesenchymal Transition and Glomerular Sclerosis. FASEB Journal, 2011, 25, 665.12.	0.2	0
62	Activation of Inflammasomes as a Triggering Mechanism of Glomerular Injury in Mice on the High Fat Diet. FASEB Journal, 2011, 25, 1028.6.	0.2	0
63	Acid Sphingomyelinase Gene Knockout Ameliorates Hyperhomocysteinemic Glomerular Injury in Mice Lacking Cystathionine Î²â€synthase. FASEB Journal, 2012, 26, 691.6.	0.2	0
64	Enhanced Membrane Raftâ€Redox Signaling Associated with NADPH Oxidase in Coronary Arterial Endothelium during Hypercholesterolemia. FASEB Journal, 2012, 26, 681.4.	0.2	0
65	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.	0.2	0
66	Contribution of Reactive Oxygen Species to NLRP3 Inflammasome Activation in Glomeruli of Mice with Hyperhomocysteinemia. FASEB Journal, 2013, 27, 890.3.	0.2	0
67	Epithelialâ€toâ€Mesenchymal Transition Induced by Accumulation of Autophagosomes in Podocytes. FASEB Journal, 2013, 27, 889.7.	0.2	0
68	Regulation of Renal Sodium Excretion by Medullary NLRP3 Inflammasome Activation beyond Turning on Inflammation. FASEB Journal, 2013, 27, 1115.5.	0.2	0
69	The Anandamide Cyclooxygenaseâ€2 Metabolite, Prostamide E2, as a Novel Diuretic and Natriuretic Lipid in the Mouse Renal Medulla. FASEB Journal, 2013, 27, 703.7.	0.2	0
70	High Fat Diet Failed to Induce NALP3 Inflammasome Activation and Glomerular Injury in Apoptosisâ€Associated Speckâ€like Protein (ASC) Knockout Mice. FASEB Journal, 2013, 27, 889.5.	0.2	0
71	Reversal of ATPâ€Induced NLRP3 Inflammasome Activation and Lipids Deposition in Macrophages from Mice Lacking Apoptosisâ€associated Speckâ€like Protein (ASC) Gene. FASEB Journal, 2013, 27, 686.11.	0.2	0
72	Inhibition of Hyperhomocysteinemiaâ€Induced Inflammasome Activation and Glomerular Sclerosis by NLRP3 Gene Deletion. FASEB Journal, 2013, 27, 704.6.	0.2	0

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73	Ca 2+ â€dependent and Ceramideâ€mediated Membrane Repair with Annexin V Recruitment and Aggregation in Mouse Endothelial Cells. FASEB Journal, 2015, 29, 944.10.	0.2	0
74	Role of NLRP3 Inflammasomes in Obesity-Induced Cardiovascular Diseases. , 2020, , 97-109.		0
75	Nicotineâ€Induced Glomerular Injury is Ameliorated in NLRP3 Gene Knockout Mice. FASEB Journal, 2020, 34, 1-1.	0.2	0