Krishna M Boini

List of Publications by Year
in descending order

75 papers	3,481 citations	117571 34 h-index	149623 56 g-index
75 all docs	75 docs citations	75 times ranked	5304 citing authors

#	Article	IF	Citations
1	TMAO Activates Carotid Endothelial Inflammasomes Leading to Enhanced Neointimal Formation in Nlrp3 Mice. FASEB Journal, 2020, 34, 1-1.	0.2	3
2	Role of NLRP3 Inflammasomes in Obesity-Induced Cardiovascular Diseases. , 2020, , 97-109.		0
3	Nicotineâ€Induced Glomerular Injury is Ameliorated in NLRP3 Gene Knockout Mice. FASEB Journal, 2020, 34, 1-1.	0.2	0
4	High Mobility Group Box 1 Mediates TMAO-Induced Endothelial Dysfunction. International Journal of Molecular Sciences, 2019, 20, 3570.	1.8	51
5	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
6	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
7	Nicotine instigates podocyte injury via NLRP3 inflammasomes activation. Aging, 2019, 11, 12810-12821.	1.4	12
8	Podocyte NLRP3 Inflammasome Activation and Formation by Adipokine Visfatin. Cellular Physiology and Biochemistry, 2019, 53, 355-365.	1.1	13
9	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
10	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
11	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
12	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
13	Endothelial NLRP3 inflammasome activation and arterial neointima formation associated with acid sphingomyelinase during hypercholesterolemia. Redox Biology, 2017, 13, 336-344.	3.9	79
14	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
15	Hypoxia inducible factor-1Î± mediates the profibrotic effect of albumin in renal tubular cells. Scientific Reports, 2017, 7, 15878.	1.6	24
16	Trimethylamine-N-Oxide Instigates NLRP3 Inflammasome Activation and Endothelial Dysfunction. Cellular Physiology and Biochemistry, 2017, 44, 152-162.	1.1	187
17	Sphingolipids in obesity and related complications. Frontiers in Bioscience - Landmark, 2017, 22, 96-116.	3.0	35
18	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

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19	Inflammasome Activation in Chronic Glomerular Diseases. Current Drug Targets, 2017, 18, 1019-1029.	1.0	44
20	Characterization and Activation of NLRP3 Inflammasomes in the Renal Medulla in Mice. Kidney and Blood Pressure Research, 2016, 41, 208-221.	0.9	11
21	Activation of NLRP3 inflammasomes in mouse hepatic stellate cells during <i>Schistosoma J.</i> infection. Oncotarget, 2016, 7, 39316-39331.	0.8	47
22	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
23	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
24	Redox Regulation of NLRP3 Inflammasomes: ROS as Trigger or Effector?. Antioxidants and Redox Signaling, 2015, 22, 1111-1129.	2.5	630
25	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
26	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
27	Inhibition of Hyperhomocysteinemia-Induced Inflammasome Activation and Glomerular Sclerosis by NLRP3 Gene Deletion. Cellular Physiology and Biochemistry, 2014, 34, 829-841.	1.1	34
28	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
29	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
30	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
31	Defective autophagosome trafficking contributes to impaired autophagic flux in coronary arterial myocytes lacking CD38 gene. Cardiovascular Research, 2014, 102, 68-78.	1.8	53
32	Endothelial NLRP3 Inflammasome Activation and Enhanced Neointima Formation in Mice by Adipokine Visfatin. American Journal of Pathology, 2014, 184, 1617-1628.	1.9	98
33	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
34	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
35	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
36	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

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37	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
38	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
39	Thioredoxinâ€Interacting Protein Mediates Hcysâ€induced NLRP3 Inflammasome Activation in Mouse Podocytes. FASEB Journal, 2013, 27, 704.7.	0.2	1
40	Contribution of Reactive Oxygen Species to NLRP3 Inflammasome Activation in Glomeruli of Mice with Hyperhomocysteinemia. FASEB Journal, 2013, 27, 890.3.	0.2	0
41	Epithelialâ€toâ€Mesenchymal Transition Induced by Accumulation of Autophagosomes in Podocytes. FASEB Journal, 2013, 27, 889.7.	0.2	0
42	Regulation of Renal Sodium Excretion by Medullary NLRP3 Inflammasome Activation beyond Turning on Inflammation. FASEB Journal, 2013, 27, 1115.5.	0.2	0
43	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
44	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
45	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
46	Inhibition of Hyperhomocysteinemiaâ€Induced Inflammasome Activation and Glomerular Sclerosis by NLRP3 Gene Deletion. FASEB Journal, 2013, 27, 704.6.	0.2	0
47	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
48	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
49	Acid Sphingomyelinase Gene Knockout Ameliorates Hyperhomocysteinemic Glomerular Injury in Mice Lacking Cystathionine-Î²-Synthase. PLoS ONE, 2012, 7, e45020.	1.1	22
50	Acid Sphingomyelinase Gene Knockout Ameliorates Hyperhomocysteinemic Glomerular Injury in Mice Lacking Cystathionine Î²â€synthase. FASEB Journal, 2012, 26, 691.6.	0.2	0
51	Enhanced Membrane Raftâ€Redox Signaling Associated with NADPH Oxidase in Coronary Arterial Endothelium during Hypercholesterolemia. FASEB Journal, 2012, 26, 681.4.	0.2	0
52	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
53	Acid Sphingomyelinase Gene Deficiency Ameliorates the Hyperhomocysteinemia-Induced Glomerular Injury in Mice. American Journal of Pathology, 2011, 179, 2210-2219.	1.9	49
54	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

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55	EMD638683, a Novel SGK Inhibitor with Antihypertensive Potency. Cellular Physiology and Biochemistry, 2011, 28, 137-146.	1.1	107
56	Membrane raftâ€“lysosome redox signalling platforms in coronary endothelial dysfunction induced by adipokine visfatin. Cardiovascular Research, 2011, 89, 401-409.	1.8	64
57	Implication of CD38 Gene in Podocytes Epithelial to Mesenchymal Transition and Glomerular Sclerosis. FASEB Journal, 2011, 25, 665.12.	0.2	0
58	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
59	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
60	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
61	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
62	NMDA Receptor-Mediated Activation of NADPH Oxidase and Glomerulosclerosis in Hyperhomocysteinemic Rats. Antioxidants and Redox Signaling, 2010, 13, 975-986.	2.5	43
63	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
64	Visfatinâ€Induced Lipid Raft Redox Signaling Platforms and Hyperpermeability in Glomerular Endothelial Cells. FASEB Journal, 2010, 24, 996.3.	0.2	0
65	Homocysteine induces epithelialâ€toâ€mesenchymal transition of podocytes through the activation of NADPH oxidase. FASEB Journal, 2010, 24, 1059.5.	0.2	0
66	Protection of Glomeruli from Hyperhomocysteinemiaâ€Induced Injury in Acid Sphingomyelinase Gene Knockout Mice. FASEB Journal, 2010, 24, 1059.13.	0.2	0
67	Turning on inflammatory response to homocysteine through activation of infammasomes in podocytes. FASEB Journal, 2010, 24, 590.14.	0.2	0
68	Proteinuria in mice expressing PKB/SGK-resistant GSK3. American Journal of Physiology - Renal Physiology, 2009, 296, F153-F159.	1.3	28
69	SGK1 dependence of insulin induced hypokalemia. Pflugers Archiv European Journal of Physiology, 2009, 457, 955-961.	1.3	16
70	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
71	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
72	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

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73	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
74	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
75	Serum- and Glucocorticoid-Inducible Kinase 1 Mediates Salt Sensitivity of Glucose Tolerance. Diabetes, 2006, 55, 2059-2066.	0.3	41