

Bysani Chandrasekar

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

71
papers

3,536
citations

36
h-index

59
g-index

72
ext. papers

3,918
ext. citations

5.1
avg, IF

4.95
L-index

#	Paper	IF	Citations
71	Chronic beta-adrenergic stimulation induces myocardial proinflammatory cytokine expression. <i>Circulation</i> , 2000 , 101, 2338-41	16.7	186
70	Ischemia-reperfusion of rat myocardium activates nuclear factor-KappaB and induces neutrophil infiltration via lipopolysaccharide-induced CXC chemokine. <i>Circulation</i> , 2001 , 103, 2296-302	16.7	177
69	IL-17 stimulates MMP-1 expression in primary human cardiac fibroblasts via p38 MAPK- and ERK1/2-dependent C/EBP-beta, NF-kappaB, and AP-1 activation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007 , 293, H3356-65	5.2	175
68	Interleukin-18-induced human coronary artery smooth muscle cell migration is dependent on NF-kappaB- and AP-1-mediated matrix metalloproteinase-9 expression and is inhibited by atorvastatin. <i>Journal of Biological Chemistry</i> , 2006 , 281, 15099-109	5.4	155
67	Interleukin-17 stimulates C-reactive protein expression in hepatocytes and smooth muscle cells via p38 MAPK and ERK1/2-dependent NF-kappaB and C/EBPbeta activation. <i>Journal of Biological Chemistry</i> , 2007 , 282, 27229-27238	5.4	144
66	Induction of nuclear factor kappaB and activation protein 1 in postischemic myocardium. <i>FEBS Letters</i> , 1997 , 401, 30-4	3.8	129
65	Fractalkine (CX3CL1) stimulated by nuclear factor kappaB (NF-kappaB)-dependent inflammatory signals induces aortic smooth muscle cell proliferation through an autocrine pathway. <i>Biochemical Journal</i> , 2003 , 373, 547-58	3.8	126
64	CXCL16 signals via Gi, phosphatidylinositol 3-kinase, Akt, I kappa B kinase, and nuclear factor-kappa B and induces cell-cell adhesion and aortic smooth muscle cell proliferation. <i>Journal of Biological Chemistry</i> , 2004 , 279, 3188-96	5.4	117
63	Effects of n-3 and n-6 fatty acids on the activities and expression of hepatic antioxidant enzymes in autoimmune-prone NZBxNZW F1 mice. <i>Lipids</i> , 1994 , 29, 561-8	1.6	117
62	Adiponectin blocks interleukin-18-mediated endothelial cell death via APPL1-dependent AMP-activated protein kinase (AMPK) activation and IKK/NF-kappaB/PTEN suppression. <i>Journal of Biological Chemistry</i> , 2008 , 283, 24889-98	5.4	108
61	WNT1-inducible signaling pathway protein-1 activates diverse cell survival pathways and blocks doxorubicin-induced cardiomyocyte death. <i>Cellular Signalling</i> , 2010 , 22, 809-20	4.9	99
60	Interleukin-18 is a pro-hypertrophic cytokine that acts through a phosphatidylinositol 3-kinase-phosphoinositide-dependent kinase-1-Akt-GATA4 signaling pathway in cardiomyocytes. <i>Journal of Biological Chemistry</i> , 2005 , 280, 4553-67	5.4	99
59	Activation of intrinsic and extrinsic proapoptotic signaling pathways in interleukin-18-mediated human cardiac endothelial cell death. <i>Journal of Biological Chemistry</i> , 2004 , 279, 20221-33	5.4	94
58	Neutralization of interleukin-18 ameliorates ischemia/reperfusion-induced myocardial injury. <i>Journal of Biological Chemistry</i> , 2009 , 284, 7853-65	5.4	90
57	Resveratrol inhibits high glucose-induced PI3K/Akt/ERK-dependent interleukin-17 expression in primary mouse cardiac fibroblasts. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 294, H2078-87	5.2	86
56	OxLDL induces endothelial dysfunction and death via TRAF3IP2: inhibition by HDL3 and AMPK activators. <i>Free Radical Biology and Medicine</i> , 2014 , 70, 117-28	7.8	83
55	Angiotensin II stimulates cardiac fibroblast migration via the differential regulation of matrixins and RECK. <i>Journal of Molecular and Cellular Cardiology</i> , 2013 , 65, 9-18	5.8	79

54	Chemokine-cytokine cross-talk. The ELR+ CXC chemokine LIX (CXCL5) amplifies a proinflammatory cytokine response via a phosphatidylinositol 3-kinase-NF-kappa B pathway. <i>Journal of Biological Chemistry</i> , 2003 , 278, 4675-86	5.4	79
53	Angiotensin II enhances AT1-Nox1 binding and stimulates arterial smooth muscle cell migration and proliferation through AT1, Nox1, and interleukin-18. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012 , 303, H282-96	5.2	75
52	TNF-alpha and H2O2 induce IL-18 and IL-18R beta expression in cardiomyocytes via NF-kappa B activation. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 303, 1152-8	3.4	74
51	Glycemic control by the SGLT2 inhibitor empagliflozin decreases aortic stiffness, renal resistivity index and kidney injury. <i>Cardiovascular Diabetology</i> , 2018 , 17, 108	8.7	72
50	Interleukin-17A stimulates cardiac fibroblast proliferation and migration via negative regulation of the dual-specificity phosphatase MKP-1/DUSP-1. <i>Cellular Signalling</i> , 2012 , 24, 560-568	4.9	72
49	The pro-atherogenic cytokine interleukin-18 induces CXCL16 expression in rat aortic smooth muscle cells via MyD88, interleukin-1 receptor-associated kinase, tumor necrosis factor receptor-associated factor 6, c-Src, phosphatidylinositol 3-kinase, Akt, c-Jun N-terminal kinase, and mitogen-activated protein kinase signaling. <i>Journal of Biological Chemistry</i> , 2007 , 282, 31212-21	5.4	65
48	Modulation of antioxidant enzymes and programmed cell death by n-3 fatty acids. <i>Lipids</i> , 1996 , 31 Suppl, S91-6	1.6	56
47	Angiotensin-II type 1 receptor and NOX2 mediate TCF/LEF and CREB dependent WISP1 induction and cardiomyocyte hypertrophy. <i>Journal of Molecular and Cellular Cardiology</i> , 2011 , 50, 928-38	5.8	54
46	Angiotensin II upregulates protein phosphatase 2C and inhibits AMP-activated protein kinase signaling and energy balance leading to skeletal muscle wasting. <i>Hypertension</i> , 2011 , 58, 643-9	8.5	50
45	Resveratrol blocks interleukin-18-EMMPRIN cross-regulation and smooth muscle cell migration. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009 , 297, H874-86	5.2	47
44	Advanced oxidation protein products induce cardiomyocyte death via Nox2/Rac1/superoxide-dependent TRAF3IP2/JNK signaling. <i>Free Radical Biology and Medicine</i> , 2013 , 60, 125-35	7.8	44
43	The Nox1/4 Dual Inhibitor GKT137831 or Nox4 Knockdown Inhibits Angiotensin-II-Induced Adult Mouse Cardiac Fibroblast Proliferation and Migration. AT1 Physically Associates With Nox4. <i>Journal of Cellular Physiology</i> , 2016 , 231, 1130-41	7	44
42	Interleukin-18 knockout mice display maladaptive cardiac hypertrophy in response to pressure overload. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 354, 552-8	3.4	42
41	Aldosterone-induced cardiomyocyte growth, and fibroblast migration and proliferation are mediated by TRAF3IP2. <i>Cellular Signalling</i> , 2015 , 27, 1928-38	4.9	41
40	CIKS (Act1 or TRAF3IP2) mediates Angiotensin-II-induced Interleukin-18 expression, and Nox2-dependent cardiomyocyte hypertrophy. <i>Journal of Molecular and Cellular Cardiology</i> , 2012 , 53, 113-24	5.8	40
39	Beta-adrenergic receptor blockade modulates Bcl-X(S) expression and reduces apoptosis in failing myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , 2003 , 35, 483-93	5.8	39
38	Metformin inhibits aldosterone-induced cardiac fibroblast activation, migration and proliferation in vitro, and reverses aldosterone+salt-induced cardiac fibrosis in vivo. <i>Journal of Molecular and Cellular Cardiology</i> , 2016 , 98, 95-102	5.8	38
37	Dipeptidyl peptidase-4 (DPP-4) inhibition with linagliptin reduces western diet-induced myocardial TRAF3IP2 expression, inflammation and fibrosis in female mice. <i>Cardiovascular Diabetology</i> , 2017 , 16, 61	8.7	38

36	CIKS (Act1 or TRAF3IP2) mediates high glucose-induced endothelial dysfunction. <i>Cellular Signalling</i> , 2013 , 25, 359-71	4.9	37
35	Docosahexaenoic acid reverses angiotensin II-induced RECK suppression and cardiac fibroblast migration. <i>Cellular Signalling</i> , 2014 , 26, 933-41	4.9	32
34	Empagliflozin reduces high glucose-induced oxidative stress and miR-21-dependent TRAF3IP2 induction and RECK suppression, and inhibits human renal proximal tubular epithelial cell migration and epithelial-to-mesenchymal transition. <i>Cellular Signalling</i> , 2020 , 68, 109506	4.9	32
33	Pressure overload induces IL-18 and IL-18R expression, but markedly suppresses IL-18BP expression in a rabbit model. IL-18 potentiates TNF- α -induced cardiomyocyte death. <i>Journal of Molecular and Cellular Cardiology</i> , 2014 , 75, 141-51	5.8	30
32	Ultrasound-targeted antisense oligonucleotide attenuates ischemia/reperfusion-induced myocardial tumor necrosis factor- α . <i>Journal of Molecular and Cellular Cardiology</i> , 2003 , 35, 119-30	5.8	29
31	Acetylsalicylic acid inhibits IL-18-induced cardiac fibroblast migration through the induction of RECK. <i>Journal of Cellular Physiology</i> , 2014 , 229, 845-55	7	28
30	TRAF3IP2 mediates interleukin-18-induced cardiac fibroblast migration and differentiation. <i>Cellular Signalling</i> , 2013 , 25, 2176-84	4.9	26
29	Contractile depression and expression of proinflammatory cytokines and iNOS in viral myocarditis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1998 , 274, H249-58	5.2	25
28	Induction of nuclear factor kappaB but not kappaB-responsive cytokine expression during myocardial reperfusion injury after neutropenia. <i>Free Radical Biology and Medicine</i> , 2000 , 28, 1579-88	7.8	24
27	TRAF3IP2 mediates high glucose-induced endothelin-1 production as well as endothelin-1-induced inflammation in endothelial cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018 , 314, H52-H64	5.2	23
26	The combination of a neprilysin inhibitor (sacubitril) and angiotensin-II receptor blocker (valsartan) attenuates glomerular and tubular injury in the Zucker Obese rat. <i>Cardiovascular Diabetology</i> , 2019 , 18, 40	8.7	22
25	Targeting TRAF3IP2 by Genetic and Interventional Approaches Inhibits Ischemia/Reperfusion-induced Myocardial Injury and Adverse Remodeling. <i>Journal of Biological Chemistry</i> , 2017 , 292, 2345-2358	5.4	19
24	The SGLT2 inhibitor Empagliflozin attenuates interleukin-17A-induced human aortic smooth muscle cell proliferation and migration by targeting TRAF3IP2/ROS/NLRP3/Caspase-1-dependent IL-1 β and IL-18 secretion. <i>Cellular Signalling</i> , 2021 , 77, 109825	4.9	19
23	TRAF3IP2 mediates TWEAK/TWEAKR-induced pro-fibrotic responses in cultured cardiac fibroblasts and the heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2018 , 121, 107-123	5.8	17
22	Interleukin-18 enhances IL-18R/Nox1 binding, and mediates TRAF3IP2-dependent smooth muscle cell migration. Inhibition by simvastatin. <i>Cellular Signalling</i> , 2013 , 25, 1447-56	4.9	16
21	Cardiac-restricted Overexpression of TRAF3 Interacting Protein 2 (TRAF3IP2) Results in Spontaneous Development of Myocardial Hypertrophy, Fibrosis, and Dysfunction. <i>Journal of Biological Chemistry</i> , 2016 , 291, 19425-36	5.4	15
20	Dipeptidyl Peptidase-4 Inhibition With Saxagliptin Ameliorates Angiotensin II-Induced Cardiac Diastolic Dysfunction in Male Mice. <i>Endocrinology</i> , 2017 , 158, 3592-3604	4.8	15
19	SM22 α (Smooth Muscle Protein 22- α) Promoter-Driven IGF1R (Insulin-Like Growth Factor 1 Receptor) Deficiency Promotes Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018 , 38, 2306-2317	9.4	15

18	Histone deacetyltransferase inhibitors Trichostatin A and Mocetinostat differentially regulate MMP9, IL-18 and RECK expression, and attenuate Angiotensin II-induced cardiac fibroblast migration and proliferation. <i>Hypertension Research</i> , 2016 , 39, 709-716	4.7	14
17	RECK suppresses interleukin-17/TRAF3IP2-mediated MMP-13 activation and human aortic smooth muscle cell migration and proliferation. <i>Journal of Cellular Physiology</i> , 2019 , 234, 22242-22259	7	11
16	TRAF3IP2 mediates atherosclerotic plaque development and vulnerability in ApoE(-/-) mice. <i>Atherosclerosis</i> , 2016 , 252, 153-160	3.1	11
15	Minocycline inhibits PDGF-BB-induced human aortic smooth muscle cell proliferation and migration by reversing miR-221- and -222-mediated RECK suppression. <i>Cellular Signalling</i> , 2019 , 57, 10-20	4.9	10
14	Angiotensin II suppresses autophagy and disrupts ultrastructural morphology and function of mitochondria in mouse skeletal muscle. <i>Journal of Applied Physiology</i> , 2019 , 126, 1550-1562	3.7	8
13	Minocycline reverses IL-17A/TRAF3IP2-mediated p38 MAPK/NF-B/iNOS/NO-dependent cardiomyocyte contractile depression and death. <i>Cellular Signalling</i> , 2020 , 73, 109690	4.9	7
12	Aldosterone impairs coronary adenosine-mediated vasodilation via reduced functional expression of Ca-activated K channels. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019 , 317, H357-H363	5.2	6
11	TRAF3IP2 (TRAF3 Interacting Protein 2) Mediates Obesity-Associated Vascular Insulin Resistance and Dysfunction in Male Mice. <i>Hypertension</i> , 2020 , 76, 1319-1329	8.5	6
10	Sacubitril/valsartan inhibits obesity-associated diastolic dysfunction through suppression of ventricular-vascular stiffness. <i>Cardiovascular Diabetology</i> , 2021 , 20, 80	8.7	4
9	Mutation of the 5' untranslated region stem-loop mRNA structure reduces type I collagen deposition and arterial stiffness in male obese mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021 , 321, H435-H445	5.2	1
8	Quantification of myocardial fibrosis using noninvasive T ₂ -mapping magnetic resonance imaging: Preclinical models of aging and pressure overload. <i>NMR in Biomedicine</i> , 2021 , e4641	4.4	0
7	Macrophage-Specific IGF-1 Overexpression Reduces CXCL12 Chemokine Levels and Suppresses Atherosclerotic Burden in ApoE-Deficient Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021 , ATVBAHA121316090	9.4	0
6	Macrophage Insulin-Like Growth Factor I (IGF1) Upregulates Atherosclerotic Plaque Collagen and Suppresses Atherosclerosis by Reducing Matrix Metalloproteinases.. <i>FASEB Journal</i> , 2018 , 32, 572.7	0.9	
5	Minocycline Inhibits PDGF-BB-induced Human Aortic Smooth Muscle Cell Proliferation and Migration via Induction of RECK. <i>FASEB Journal</i> , 2018 , 32, 676.3	0.9	
4	Macrophage Insulin-Like Growth Factor 1 Downregulated Matrix Metalloproteinases and Promoted Features of a Stable Atherosclerotic Plaque. <i>FASEB Journal</i> , 2019 , 33, 522.6	0.9	
3	Prevention of Obesity-Associated Coronary and Cardiac Diastolic Dysfunction by Deletion of Smooth Muscle Cell Mineralocorticoid Receptor in Females. <i>FASEB Journal</i> , 2019 , 33, 1b508	0.9	
2	Hepatic Knockdown of RECK Increases NASH Susceptibility. <i>FASEB Journal</i> , 2019 , 33, 582.5	0.9	
1	Features of Stable Plaque Phenotype Are Increased by Macrophage Specific Insulin-Like Growth Factor 1. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	

