

Murugavel Ponnusamy

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.

69

papers

3,194

citations

33

h-index

56

g-index

73

ext. papers

3,816

ext. citations

7

avg, IF

5.21

L-index

#	Paper	IF	Citations
69	Circular RNA mediates cardiomyocyte death via miRNA-dependent upregulation of MTP18 expression. <i>Cell Death and Differentiation</i> , 2017 , 24, 1111-1120	12.7	237
68	A novel STAT3 inhibitor, S3I-201, attenuates renal interstitial fibroblast activation and interstitial fibrosis in obstructive nephropathy. <i>Kidney International</i> , 2010 , 78, 257-68	9.9	188
67	Inhibition of histone deacetylase activity attenuates renal fibroblast activation and interstitial fibrosis in obstructive nephropathy. <i>American Journal of Physiology - Renal Physiology</i> , 2009 , 297, F996-F1005	4.3	173
66	Critical role of FOXO3a in carcinogenesis. <i>Molecular Cancer</i> , 2018 , 17, 104	42.1	165
65	LncRNA CAIF inhibits autophagy and attenuates myocardial infarction by blocking p53-mediated myocardin transcription. <i>Nature Communications</i> , 2018 , 9, 29	17.4	162
64	Role of Nrf2 in chronic liver disease. <i>World Journal of Gastroenterology</i> , 2014 , 20, 13079-87	5.6	130
63	The circular RNA ACR attenuates myocardial ischemia/reperfusion injury by suppressing autophagy via modulation of the Pink1/ FAM65B pathway. <i>Cell Death and Differentiation</i> , 2019 , 26, 1299-1315	12.7	127
62	Genetic or pharmacologic blockade of EGFR inhibits renal fibrosis. <i>Journal of the American Society of Nephrology: JASN</i> , 2012 , 23, 854-67	12.7	114
61	Blocking the class I histone deacetylase ameliorates renal fibrosis and inhibits renal fibroblast activation via modulating TGF-beta and EGFR signaling. <i>PLoS ONE</i> , 2013 , 8, e54001	3.7	111
60	Enhancer of Zeste Homolog 2 Inhibition Attenuates Renal Fibrosis by Maintaining Smad7 and Phosphatase and Tensin Homolog Expression. <i>Journal of the American Society of Nephrology: JASN</i> , 2016 , 27, 2092-108	12.7	106
59	Sustained activation of EGFR triggers renal fibrogenesis after acute kidney injury. <i>American Journal of Pathology</i> , 2013 , 183, 160-72	5.8	86
58	Circular RNAs: A novel type of non-coding RNA and their potential implications in antiviral immunity. <i>International Journal of Biological Sciences</i> , 2017 , 13, 1497-1506	11.2	77
57	Long Noncoding RNA CPR (Cardiomyocyte Proliferation Regulator) Regulates Cardiomyocyte Proliferation and Cardiac Repair. <i>Circulation</i> , 2019 , 139, 2668-2684	16.7	76
56	Cytoprotective and antioxidant role of diallyl tetrasulfide on cadmium induced renal injury: an in vivo and in vitro study. <i>Life Sciences</i> , 2007 , 80, 650-8	6.8	72
55	Diallyl tetrasulfide improves cadmium induced alterations of acetylcholinesterase, ATPases and oxidative stress in brain of rats. <i>Toxicology</i> , 2007 , 234, 44-50	4.4	66
54	Src inhibition blocks renal interstitial fibroblast activation and ameliorates renal fibrosis. <i>Kidney International</i> , 2016 , 89, 68-81	9.9	65
53	Suramin inhibits renal fibrosis in chronic kidney disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2011 , 22, 1064-75	12.7	64

52	A comprehensive review of circRNA: from purification and identification to disease marker potential. <i>PeerJ</i> , 2018 , 6, e5503	3.1	58
51	Role of diallyl tetrasulfide in ameliorating the cadmium induced biochemical changes in rats. <i>Environmental Toxicology and Pharmacology</i> , 2005 , 20, 493-500	5.8	57
50	The Long Noncoding RNA D63785 Regulates Chemotherapy Sensitivity in Human Gastric Cancer by Targeting miR-422a. <i>Molecular Therapy - Nucleic Acids</i> , 2018 , 12, 405-419	10.7	56
49	Blocking sirtuin 1 and 2 inhibits renal interstitial fibroblast activation and attenuates renal interstitial fibrosis in obstructive nephropathy. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2014 , 350, 243-56	4.7	54
48	The role of ubiquitin proteasomal system and autophagy-lysosome pathway in Alzheimer's disease. <i>Reviews in the Neurosciences</i> , 2017 , 28, 861-868	4.7	49
47	Effects of diallyl tetrasulfide on cadmium-induced oxidative damage in the liver of rats. <i>Human and Experimental Toxicology</i> , 2007 , 26, 527-34	3.4	46
46	Understanding cardiomyocyte proliferation: an insight into cell cycle activity. <i>Cellular and Molecular Life Sciences</i> , 2017 , 74, 1019-1034	10.3	44
45	Histone deacetylase 1/2 mediates proliferation of renal interstitial fibroblasts and expression of cell cycle proteins. <i>Journal of Cellular Biochemistry</i> , 2011 , 112, 2138-48	4.7	42
44	MicroRNA as a Therapeutic Target in Cardiac Remodeling. <i>BioMed Research International</i> , 2017 , 2017, 1278436	3	41
43	Noncoding RNAs as therapeutic targets in atherosclerosis with diabetes mellitus. <i>Cardiovascular Therapeutics</i> , 2018 , 36, e12436	3.3	39
42	Understanding the role of non-coding RNA (ncRNA) in stent restenosis. <i>Atherosclerosis</i> , 2018 , 272, 153-161	5.1	38
41	The role of miR-214 in cardiovascular diseases. <i>European Journal of Pharmacology</i> , 2017 , 816, 138-145	5.3	37
40	Cadmium induced mitochondrial injury and apoptosis in vero cells: protective effect of diallyl tetrasulfide from garlic. <i>International Journal of Biochemistry and Cell Biology</i> , 2007 , 39, 161-70	5.6	37
39	Protective effect of alpha-lipoic acid against chloroquine-induced hepatotoxicity in rats. <i>Journal of Applied Toxicology</i> , 2004 , 24, 21-6	4.1	37
38	MEF2 signaling and human diseases. <i>Oncotarget</i> , 2017 , 8, 112152-112165	3.3	36
37	The piRNA CHAPIR regulates cardiac hypertrophy by controlling METTL3-dependent N-methyladenosine methylation of Parp10 mRNA. <i>Nature Cell Biology</i> , 2020 , 22, 1319-1331	23.4	36
36	PIWI family emerging as a decisive factor of cell fate: An overview. <i>European Journal of Cell Biology</i> , 2017 , 96, 746-757	6.1	33
35	MiR-485-5p modulates mitochondrial fission through targeting mitochondrial anchored protein ligase in cardiac hypertrophy. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017 , 1863, 2871-2881	6.0	33

34	miRNAs as potential therapeutic targets and diagnostic biomarkers for cardiovascular disease with a particular focus on WO2010091204. <i>Expert Opinion on Therapeutic Patents</i> , 2017 , 27, 1021-1029	6.8	32
33	Diallyl tetrasulfide protects cadmium-induced alterations in lipids and plasma lipoproteins in rats. <i>Nutrition Research</i> , 2007 , 27, 356-361	4	29
32	The Role of MicroRNA and LncRNA-MicroRNA Interactions in Regulating Ischemic Heart Disease. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2017 , 22, 105-111	2.6	26
31	Attenuation of chloroquine-induced renal damage by alpha-lipoic acid: possible antioxidant mechanism. <i>Renal Failure</i> , 2004 , 26, 517-24	2.9	25
30	Transglutaminase-1 protects renal epithelial cells from hydrogen peroxide-induced apoptosis through activation of STAT3 and AKT signaling pathways. <i>American Journal of Physiology - Renal Physiology</i> , 2009 , 297, F1361-70	4.3	24
29	Delayed administration of suramin attenuates the progression of renal fibrosis in obstructive nephropathy. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011 , 338, 758-66	4.7	24
28	P2X7 receptors mediate deleterious renal epithelial-fibroblast cross talk. <i>American Journal of Physiology - Renal Physiology</i> , 2011 , 300, F62-70	4.3	24
27	FOXK transcription factors: Regulation and critical role in cancer. <i>Cancer Letters</i> , 2019 , 458, 1-12	9.9	22
26	Effects of miRNAs on myocardial apoptosis by modulating mitochondria related proteins. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2017 , 44, 431-440	3	21
25	Role of noncoding RNAs in regulation of cardiac cell death and cardiovascular diseases. <i>Cellular and Molecular Life Sciences</i> , 2018 , 75, 291-300	10.3	21
24	ERK pathway mediates P2X7 expression and cell death in renal interstitial fibroblasts exposed to necrotic renal epithelial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2011 , 301, F650-9	4.3	19
23	NFATc3-dependent expression of miR-153-3p promotes mitochondrial fragmentation in cardiac hypertrophy by impairing mitofusin-1 expression. <i>Theranostics</i> , 2020 , 10, 553-566	12.1	19
22	Activation of Sirtuin-1 Promotes Renal Fibroblast Activation and Aggravates Renal Fibrogenesis. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2015 , 354, 142-51	4.7	18
21	Protective role of diallyl tetrasulfide on cadmium-induced testicular damage in adult rats: a biochemical and histological study. <i>Toxicology and Industrial Health</i> , 2011 , 27, 407-16	1.8	17
20	Foxo3a-dependent miR-633 regulates chemotherapeutic sensitivity in gastric cancer by targeting Fas-associated death domain. <i>RNA Biology</i> , 2019 , 16, 233-248	4.8	16
19	Non-coding RNA-linked epigenetic regulation in cardiac hypertrophy. <i>International Journal of Biological Sciences</i> , 2018 , 14, 1133-1141	11.2	15
18	Autophagy protects against necrotic renal epithelial cell-induced death of renal interstitial fibroblasts. <i>American Journal of Physiology - Renal Physiology</i> , 2012 , 303, F83-91	4.3	10
17	Diallyl tetrasulfide modulates the cadmium-induced impairment of membrane bound enzymes in rats. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2007 , 18, 37-48	1.6	10

16	The role of K63-linked polyubiquitination in cardiac hypertrophy. <i>Journal of Cellular and Molecular Medicine</i> , 2018 , 22, 4558-4567	5.6	8
15	Calcium Signaling: From Physiology to Diseases 2017 ,		7
14	A FGFR1 inhibitor patent review: progress since 2010. <i>Expert Opinion on Therapeutic Patents</i> , 2017 , 27, 439-454	6.8	5
13	Necrotic renal epithelial cell inhibits renal interstitial fibroblast activation: role of protein tyrosine phosphatase 1B. <i>American Journal of Physiology - Renal Physiology</i> , 2013 , 304, F698-709	4.3	5
12	Calcium Signalling in Neurological Disorders 2017 , 43-60		2
11	Calcium Ion in Biological Systems 2017 , 1-14		1
10	Efficient production of recombinant glycoprotein D of herpes simplex virus type 2 in <i>Pichia pastoris</i> and its protective efficacy against viral challenge in mice. <i>Archives of Virology</i> , 2017 , 162, 701-711	2.6	1
9	Metabotropic GPCRs: TGR5 and P2Y Receptors in Health and Diseases 2018 ,		1
8	Voltage-Dependent Calcium Channels: From Physiology to Diseases 2017 , 61-72		0
7	Channelopathies: Application of Natural Products Using Nanotechnology 2017 , 73-86		
6	Therapeutically Targeting TGR5 and P2Y Receptors 2018 , 57-76		
5	Regulation of Calcium in Muscle Physiology 2017 , 15-30		
4	Regulatory Action of Calcium in Pain Pathway 2017 , 31-42		
3	Src Kinase Mediates Renal Interstitial Fibroblast Activation and Proliferation. <i>FASEB Journal</i> , 2013 , 27, 1044.2	0.9	
2	Phosphodiesterase-5 Inhibitors in Cardioprotection 2013 , 439-458		
1	Overview of G-Protein Coupled Receptor 2018 , 1-18		