

Murugavel Ponnusamy

List of Publications by Year in descending order

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71
papers

4,307
citations

101543

36
h-index

138484

58
g-index

73
all docs

73
docs citations

73
times ranked

6631
citing authors

#	ARTICLE	IF	CITATIONS
1	Critical role of FOXO3a in carcinogenesis. <i>Molecular Cancer</i> , 2018, 17, 104.	19.2	295
2	Circular RNA mediates cardiomyocyte death via miRNA-dependent upregulation of MTP18 expression. <i>Cell Death and Differentiation</i> , 2017, 24, 1111-1120.	11.2	268
3	LncRNA CAIF inhibits autophagy and attenuates myocardial infarction by blocking p53-mediated myocardin transcription. <i>Nature Communications</i> , 2018, 9, 29.	12.8	247
4	A novel STAT3 inhibitor, S3I-201, attenuates renal interstitial fibroblast activation and interstitial fibrosis in obstructive nephropathy. <i>Kidney International</i> , 2010, 78, 257-268.	5.2	219
5	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.	2.7	188
6	Role of Nrf2 in chronic liver disease. <i>World Journal of Gastroenterology</i> , 2014, 20, 13079.	3.3	179
7	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.	11.2	177
8	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, 2092-2108.	6.1	148
9	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.	6.4	144
10	Genetic or Pharmacologic Blockade of EGFR Inhibits Renal Fibrosis. <i>Journal of the American Society of Nephrology: JASN</i> , 2012, 23, 854-867.	6.1	135
11	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.	2.5	128
12	Long Noncoding RNA CPR (Cardiomyocyte Proliferation Regulator) Regulates Cardiomyocyte Proliferation and Cardiac Repair. <i>Circulation</i> , 2019, 139, 2668-2684.	1.6	125
13	Sustained Activation of EGFR Triggers Renal Fibrogenesis after Acute Kidney Injury. <i>American Journal of Pathology</i> , 2013, 183, 160-172.	3.8	99
14	Src inhibition blocks renal interstitial fibroblast activation and ameliorates renal fibrosis. <i>Kidney International</i> , 2016, 89, 68-81.	5.2	93
15	The piRNA CHAPIR regulates cardiac hypertrophy by controlling METTL3-dependent N6-methyladenosine methylation of Parp10 mRNA. <i>Nature Cell Biology</i> , 2020, 22, 1319-1331.	10.3	93
16	A comprehensive review of circRNA: from purification and identification to disease marker potential. <i>PeerJ</i> , 2018, 6, e5503.	2.0	89
17	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, 650-658.	4.3	81
18	Diallyl tetrasulfide improves cadmium induced alterations of acetylcholinesterase, ATPases and oxidative stress in brain of rats. <i>Toxicology</i> , 2007, 234, 44-50.	4.2	77

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19	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.	5.1	76
20	Suramin Inhibits Renal Fibrosis in Chronic Kidney Disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2011, 22, 1064-1075.	6.1	73
21	The role of ubiquitin proteasomal system and autophagy-lysosome pathway in Alzheimer's disease. <i>Reviews in the Neurosciences</i> , 2017, 28, 861-868.	2.9	73
22	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, 243-256.	2.5	72
23	Role of diallyl tetrasulfide in ameliorating the cadmium induced biochemical changes in rats. <i>Environmental Toxicology and Pharmacology</i> , 2005, 20, 493-500.	4.0	65
24	Understanding cardiomyocyte proliferation: an insight into cell cycle activity. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 1019-1034.	5.4	63
25	MicroRNA as a Therapeutic Target in Cardiac Remodeling. <i>BioMed Research International</i> , 2017, 2017, 1-25.	1.9	63
26	MEF2 signaling and human diseases. <i>Oncotarget</i> , 2017, 8, 112152-112165.	1.8	59
27	The role of miR-214 in cardiovascular diseases. <i>European Journal of Pharmacology</i> , 2017, 816, 138-145.	3.5	54
28	Noncoding miRNAs as therapeutic targets in atherosclerosis with diabetes mellitus. <i>Cardiovascular Therapeutics</i> , 2018, 36, e12436.	2.5	54
29	Understanding the role of non-coding RNA (ncRNA) in stent restenosis. <i>Atherosclerosis</i> , 2018, 272, 153-161.	0.8	51
30	Effects of diallyl tetrasulfide on cadmium-induced oxidative damage in the liver of rats. <i>Human and Experimental Toxicology</i> , 2007, 26, 527-534.	2.2	50
31	Histone deacetylase 1/2 mediates proliferation of renal interstitial fibroblasts and expression of cell cycle proteins. <i>Journal of Cellular Biochemistry</i> , 2011, 112, 2138-2148.	2.6	46
32	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.	3.8	45
33	PIWI family emerging as a decisive factor of cell fate: An overview. <i>European Journal of Cell Biology</i> , 2017, 96, 746-757.	3.6	44
34	Protective effect of α -lipoic acid against chloroquine-induced hepatotoxicity in rats. <i>Journal of Applied Toxicology</i> , 2004, 24, 21-26.	2.8	42
35	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, 161-170.	2.8	42
36	FOXK transcription factors: Regulation and critical role in cancer. <i>Cancer Letters</i> , 2019, 458, 1-12.	7.2	41

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37	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.	5.0	36
38	The Role of MicroRNA and LncRNA in MicroRNA Interactions in Regulating Ischemic Heart Disease. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2017, 22, 105-111.	2.0	34
39	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.	10.0	32
40	Attenuation of Chloroquine-Induced Renal Damage by Lipoic Acid: Possible Antioxidant Mechanism. <i>Renal Failure</i> , 2004, 26, 517-524.	2.1	30
41	Diallyl tetrasulfide protects cadmium-induced alterations in lipids and plasma lipoproteins in rats. <i>Nutrition Research</i> , 2007, 27, 356-361.	2.9	30
42	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-F1370.	2.7	30
43	Effects of miRNAs on myocardial apoptosis by modulating mitochondria related proteins. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2017, 44, 431-440.	1.9	29
44	Non-coding RNA-linked epigenetic regulation in cardiac hypertrophy. <i>International Journal of Biological Sciences</i> , 2018, 14, 1133-1141.	6.4	29
45	Delayed Administration of Suramin Attenuates the Progression of Renal Fibrosis in Obstructive Nephropathy. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011, 338, 758-766.	2.5	28
46	P2X7 receptors mediate deleterious renal epithelial-fibroblast cross talk. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 300, F62-F70.	2.7	27
47	Activation of Sirtuin-1 Promotes Renal Fibroblast Activation and Aggravates Renal Fibrogenesis. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2015, 354, 142-151.	2.5	27
48	Role of noncoding RNAs in regulation of cardiac cell death and cardiovascular diseases. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 291-300.	5.4	27
49	Foxo3a-dependent miR-633 regulates chemotherapeutic sensitivity in gastric cancer by targeting Fas-associated death domain. <i>RNA Biology</i> , 2019, 16, 233-248.	3.1	27
50	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, 407-416.	1.4	21
51	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-F659.	2.7	20
52	The role of K63-linked polyubiquitination in cardiac hypertrophy. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 4558-4567.	3.6	17
53	Calcium Signaling: From Physiology to Diseases. , 2017, , .		14
54	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.	1.3	12

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55	Autophagy protects against necrotic renal epithelial cell-induced death of renal interstitial fibroblasts. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 303, F83-F91.	2.7	11
56	A FGFR1 inhibitor patent review: progress since 2010. <i>Expert Opinion on Therapeutic Patents</i> , 2017, 27, 439-454.	5.0	8
57	PIWIâ€interacting RNA in cancer: Molecular mechanisms and possible clinical implications (Review). <i>Oncology Reports</i> , 2021, 46, .	2.6	7
58	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-F709.	2.7	5
59	Calcium Signalling in Neurological Disorders. , 2017, , 43-60.		2
60	Antioxidant and Teratogenic Activities of Formulated Agar Extracted from Brown Seaweed <i>Turbinaria conoides</i> against Zebrafish Larvae. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-10.	1.2	2
61	Calcium Ion in Biological Systems. , 2017, , 1-14.		1
62	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.	2.1	1
63	Metabotropic GPCRs: TGR5 and P2Y Receptors in Health and Diseases. , 2018, , .		1
64	Voltage-Dependent Calcium Channels: From Physiology to Diseases. , 2017, , 61-72.		1
65	Channelopathies: Application of Natural Products Using Nanotechnology. , 2017, , 73-86.		0
66	Overview of G-Protein Coupled Receptor. , 2018, , 1-18.		0
67	Src Kinase Mediates Renal Interstitial Fibroblast Activation and Proliferation. <i>FASEB Journal</i> , 2013, 27, 1044.2.	0.5	0
68	Phosphodiesterase-5 Inhibitors in Cardioprotection. , 2013, , 439-458.		0
69	Regulation of Calcium in Muscle Physiology. , 2017, , 15-30.		0
70	Regulatory Action of Calcium in Pain Pathway. , 2017, , 31-42.		0
71	Therapeutically Targeting TGR5 and P2Y Receptors. , 2018, , 57-76.		0