

Dinender K Singla

List of Publications by Year in descending order

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53
papers

2,077
citations

185998

28
h-index

243296

44
g-index

54
all docs

54
docs citations

54
times ranked

2742
citing authors

#	ARTICLE	IF	CITATIONS
1	Transplantation of embryonic stem cells into the infarcted mouse heart: formation of multiple cell types. <i>Journal of Molecular and Cellular Cardiology</i> , 2006, 40, 195-200.	0.9	148
2	Exosome Treatment Enhances Anti-Inflammatory M2 Macrophages and Reduces Inflammation-Induced Pyroptosis in Doxorubicin-Induced Cardiomyopathy. <i>Cells</i> , 2019, 8, 1224.	1.8	123
3	MicroRNA-1 transfected embryonic stem cells enhance cardiac myocyte differentiation and inhibit apoptosis by modulating the PTEN/Akt pathway in the infarcted heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H2038-H2049.	1.5	114
4	SMAD-PI3K-Akt-mTOR Pathway Mediates BMP-7 Polarization of Monocytes into M2 Macrophages. <i>PLoS ONE</i> , 2013, 8, e84009.	1.1	113
5	wnt3a but not wnt11 supports self-renewal of embryonic stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2006, 345, 789-795.	1.0	110
6	Embryonic stem cell-derived exosomes inhibit doxorubicin-induced TLR4-NLRP3-mediated cell death-pyroptosis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 317, H460-H471.	1.5	101
7	Transplanted embryonic stem cells following mouse myocardial infarction inhibit apoptosis and cardiac remodeling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H1308-H1314.	1.5	91
8	Induced Pluripotent Stem (iPS) Cells Repair and Regenerate Infarcted Myocardium. <i>Molecular Pharmaceutics</i> , 2011, 8, 1573-1581.	2.3	77
9	Factors released from embryonic stem cells inhibit apoptosis of H9c2 cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H1590-H1595.	1.5	70
10	Stem cells and exosomes in cardiac repair. <i>Current Opinion in Pharmacology</i> , 2016, 27, 19-23.	1.7	63
11	Factors released from embryonic stem cells inhibit apoptosis in H9c2 cells through PI3K/Akt but not ERK pathway. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H907-H913.	1.5	55
12	BMP-7 Treatment Increases M2 Macrophage Differentiation and Reduces Inflammation and Plaque Formation in Apo E-/- Mice. <i>PLoS ONE</i> , 2016, 11, e0147897.	1.1	52
13	BMP-7 attenuates adverse cardiac remodeling mediated through M2 macrophages in prediabetic cardiomyopathy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H762-H772.	1.5	51
14	Amelioration of diabetes-induced inflammation mediated pyroptosis, sarcopenia, and adverse muscle remodelling by bone morphogenetic protein-7. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021, 12, 403-420.	2.9	47
15	The Role of Bone Morphogenetic Protein 7 (BMP-7) in Inflammation in Heart Diseases. <i>Cells</i> , 2020, 9, 280.	1.8	44
16	Fibroblast Growth Factor-9 Enhances M2 Macrophage Differentiation and Attenuates Adverse Cardiac Remodeling in the Infarcted Diabetic Heart. <i>PLoS ONE</i> , 2015, 10, e0120739.	1.1	44
17	Akt-mTOR Pathway Inhibits Apoptosis and Fibrosis in Doxorubicin-Induced Cardiotoxicity following Embryonic Stem Cell Transplantation. <i>Cell Transplantation</i> , 2015, 24, 1031-1042.	1.2	41
18	Bone morphogenetic protein 7 polarizes THP-1 cells into M2 macrophages. <i>Canadian Journal of Physiology and Pharmacology</i> , 2012, 90, 947-951.	0.7	39

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19	Embryonic Stem Cells Improve Cardiac Function in Doxorubicin-Induced Cardiomyopathy Mediated through Multiple Mechanisms. <i>Cell Transplantation</i> , 2012, 21, 1919-1930.	1.2	38
20	PTEN inhibitor VO-OHpic attenuates inflammatory M1 macrophages and cardiac remodeling in doxorubicin-induced cardiomyopathy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H1236-H1249.	1.5	38
21	Regulation of Notch 1 signaling in THP-1 cells enhances M ₂ macrophage differentiation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H1634-H1642.	1.5	35
22	Notch-1 Mediated Cardiac Protection following Embryonic and Induced Pluripotent Stem Cell Transplantation in Doxorubicin-Induced Heart Failure. <i>PLoS ONE</i> , 2014, 9, e101024.	1.1	34
23	BMP-7 Attenuates Inflammation-Induced Pyroptosis and Improves Cardiac Repair in Diabetic Cardiomyopathy. <i>Cells</i> , 2021, 10, 2640.	1.8	33
24	Inflammatory Cells in Atherosclerosis. <i>Antioxidants</i> , 2022, 11, 233.	2.2	33
25	Transplanted Induced Pluripotent Stem Cells Mitigate Oxidative Stress and Improve Cardiac Function through the Akt Cell Survival Pathway in Diabetic Cardiomyopathy. <i>Molecular Pharmaceutics</i> , 2013, 10, 3425-3432.	2.3	31
26	Embryonic Stem Cells in Cardiac Repair and Regeneration. <i>Antioxidants and Redox Signaling</i> , 2009, 11, 1857-1863.	2.5	30
27	Primary human monocytes differentiate into M2 macrophages and involve Notch-1 pathway. <i>Canadian Journal of Physiology and Pharmacology</i> , 2017, 95, 288-294.	0.7	30
28	Exosomes derived from embryonic stem cells inhibit doxorubicin and inflammation-induced pyroptosis in muscle cells. <i>Canadian Journal of Physiology and Pharmacology</i> , 2018, 96, 304-307.	0.7	30
29	ES cells overexpressing microRNA-1 attenuate apoptosis in the injured myocardium. <i>Molecular and Cellular Biochemistry</i> , 2011, 357, 135-141.	1.4	28
30	Factors Released from Embryonic Stem Cells Stimulate c-kit-FLK-1+ve Progenitor Cells and Enhance Neovascularization. <i>Antioxidants and Redox Signaling</i> , 2010, 13, 1857-1865.	2.5	27
31	Regulation of PTEN/Akt Pathway Enhances Cardiomyogenesis and Attenuates Adverse Left Ventricular Remodeling following Thymosin β 4 Overexpressing Embryonic Stem Cell Transplantation in the Infarcted Heart. <i>PLoS ONE</i> , 2013, 8, e75580.	1.1	27
32	Mechanisms of COVID-19 pathogenesis in diabetes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2022, 323, H403-H420.	1.5	26
33	Stem Cells in the Infarcted Heart. <i>Journal of Cardiovascular Translational Research</i> , 2010, 3, 73-78.	1.1	25
34	TGF- β 2 treatment enhances cytoprotective factors released from embryonic stem cells and inhibits apoptosis in infarcted myocardium. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 300, H1442-H1450.	1.5	24
35	Enhancement by growth factors of cardiac myocyte differentiation from embryonic stem cells: A promising foundation for cardiac regeneration. <i>Biochemical and Biophysical Research Communications</i> , 2005, 335, 637-642.	1.0	21
36	Probucol promotes endogenous antioxidant reserve and confers protection against reperfusion injury This paper is one of a selection of papers published in this Special Issue, entitled The Cellular and Molecular Basis of Cardiovascular Dysfunction, Dhalla 70th Birthday Tribute.. <i>Canadian Journal of Physiology and Pharmacology</i> , 2007, 85, 439-443.	0.7	21

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37	Fibroblast Growth Factor-9 Activates c-Kit Progenitor Cells and Enhances Angiogenesis in the Infarcted Diabetic Heart. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-12.	1.9	20
38	Embryonic Stem Cells and Released Factors Stimulate c-kit ⁺ /FLK-1 ⁺ Progenitor Cells and Promote Neovascularization in Doxorubicin-Induced Cardiomyopathy. <i>Cell Transplantation</i> , 2015, 24, 1043-1052.	1.2	19
39	Induced Pluripotent Stem (iPS) Cells Inhibit Apoptosis and Fibrosis in Streptozotocin-Induced Diabetic Rats. <i>Molecular Pharmaceutics</i> , 2011, 8, 2350-2357.	2.3	18
40	Macrophage depletion by clodronate attenuates bone morphogenetic protein-7 induced M2 macrophage differentiation and improved systolic blood velocity in atherosclerosis. <i>Translational Research</i> , 2019, 203, 1-14.	2.2	18
41	Role of phosphodiesterase 1 in the pathophysiology of diseases and potential therapeutic opportunities. , 2021, 226, 107858.		18
42	Stem Cell-Derived Exosomes Ameliorate Doxorubicin-Induced Muscle Toxicity through Counteracting Pyroptosis. <i>Pharmaceutics</i> , 2020, 13, 450.	1.7	16
43	Breast cancer drug trastuzumab induces cardiac toxicity: evaluation of human epidermal growth factor receptor 2 as a potential diagnostic and prognostic marker. <i>Canadian Journal of Physiology and Pharmacology</i> , 2018, 96, 647-654.	0.7	12
44	Secreted Frizzled-Related Protein-2 Inhibits Doxorubicin-Induced Apoptosis Mediated through the Akt-mTOR Pathway in Soleus Muscle. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-11.	1.9	11
45	Exosomes derived from cardiac parasympathetic ganglionic neurons inhibit apoptosis in hyperglycemic cardiomyoblasts. <i>Molecular and Cellular Biochemistry</i> , 2019, 462, 1-10.	1.4	10
46	3D modeling: a future of cardiovascular medicine. <i>Canadian Journal of Physiology and Pharmacology</i> , 2019, 97, 277-286.	0.7	10
47	Fibroblast growth factor-8 inhibits oxidative stress-induced apoptosis in H9c2 cells. <i>Molecular and Cellular Biochemistry</i> , 2017, 425, 77-84.	1.4	6
48	Doxorubicin-induced apoptosis enhances monocyte infiltration and adverse cardiac remodeling in diabetic animals. <i>Canadian Journal of Physiology and Pharmacology</i> , 2022, 100, 441-452.	0.7	3
49	Embryonic Stem Cell-Derived Exosomes Inhibit Doxorubicin-Induced Pyroptosis in Cardiac Cells. <i>FASEB Journal</i> , 2019, 33, 705.2.	0.2	1
50	Embryonic Stem Cells Derived Exosomes Enhances Chemosensitivity of Doxorubicin in Breast Cancer Cells. <i>FASEB Journal</i> , 2019, 33, 646.7.	0.2	1
51	Postganglionic Parasympathetic but Not Postganglionic Sympathetic Neuron Derived Exosomes Inhibit Hyperglycemia Induced Apoptosis in H9c2 Cells. <i>FASEB Journal</i> , 2019, 33, 703.5.	0.2	0
52	Rat-Induced Pluripotent Stem Cells-Derived Cardiac Myocytes in a Cell Culture Dish. <i>Methods in Molecular Biology</i> , 2021, , 1.	0.4	0
53	Anti-Tumor Effect of Embryonic Stem Cell Derived Exosomes in Triple Negative Breast Cancer: Potential Role of TCF7- β -Cadherin and VEGF. <i>FASEB Journal</i> , 2022, 36, .	0.2	0