

Sanjiv Dhingra

List of Publications by Year in descending order

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77
papers

2,056
citations

201575

27
h-index

254106

43
g-index

77
all docs

77
docs citations

77
times ranked

3631
citing authors

#	ARTICLE	IF	CITATIONS
1	IL-10 attenuates TNF- α -induced NF- κ B pathway activation and cardiomyocyte apoptosis. <i>Cardiovascular Research</i> , 2009, 82, 59-66.	1.8	146
2	Targeting the Vicious Inflammation-Oxidative Stress Cycle for the Management of Heart Failure. <i>Antioxidants and Redox Signaling</i> , 2010, 13, 1033-1049.	2.5	128
3	Application of Ti ₃ C ₂ MXene Quantum Dots for Immunomodulation and Regenerative Medicine. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900569.	3.9	125
4	Interplay of TNF- α and IL-10 in regulating oxidative stress in isolated adult cardiac myocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2006, 41, 1023-1030.	0.9	108
5	p38 and ERK1/2 MAPKs mediate the interplay of TNF- α and IL-10 in regulating oxidative stress and cardiac myocyte apoptosis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H3524-H3531.	1.5	108
6	Graphene Oxide-Gold Nanosheets Containing Chitosan Scaffold Improves Ventricular Contractility and Function After Implantation into Infarcted Heart. <i>Scientific Reports</i> , 2018, 8, 15069.	1.6	82
7	A concise description of cardioprotective strategies in doxorubicin-induced cardiotoxicity This article is one of a selection of papers published in a special issue celebrating the 125th anniversary of the Faculty of Medicine at the University of Manitoba.. <i>Canadian Journal of Physiology and Pharmacology</i> , 2009, 87, 756-763.	0.7	70
8	Biology of TNF- α and IL-10, and their imbalance in heart failure. <i>Heart Failure Reviews</i> , 2009, 14, 113-123.	1.7	69
9	Preserving Prostaglandin E2 Level Prevents Rejection of Implanted Allogeneic Mesenchymal Stem Cells and Restores Postinfarction Ventricular Function. <i>Circulation</i> , 2013, 128, S69-78.	1.6	66
10	Development of Fluorine-Free Tantalum Carbide MXene Hybrid Structure as a Biocompatible Material for Supercapacitor Electrodes. <i>Advanced Functional Materials</i> , 2021, 31, 2100015.	7.8	58
11	Comparison of adipose tissue- and bone marrow- derived mesenchymal stem cells for alleviating doxorubicin-induced cardiac dysfunction in diabetic rats. <i>Stem Cell Research and Therapy</i> , 2015, 6, 148.	2.4	54
12	Akt Regulates IL-10 Mediated Suppression of TNF- α -Induced Cardiomyocyte Apoptosis by Upregulating Stat3 Phosphorylation. <i>PLoS ONE</i> , 2011, 6, e25009.	1.1	52
13	Oleic acid mitigates TNF- α -induced oxidative stress in rat cardiomyocytes. <i>Molecular and Cellular Biochemistry</i> , 2013, 372, 75-82.	1.4	43
14	Sweet-MXene hydrogel with mixed-dimensional components for biomedical applications. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 101, 103440.	1.5	43
15	Carbon nanomaterials for cardiovascular theranostics: Promises and challenges. <i>Bioactive Materials</i> , 2021, 6, 2261-2280.	8.6	42
16	Fabrication of Smart Tantalum Carbide MXene Quantum Dots with Intrinsic Immunomodulatory Properties for Treatment of Allograft Vasculopathy. <i>Advanced Functional Materials</i> , 2021, 31, 2106786.	7.8	42
17	Modulation of hypercholesterolemia-induced alterations in apolipoprotein B and HMG-CoA reductase expression by selenium supplementation. <i>Chemico-Biological Interactions</i> , 2006, 161, 49-56.	1.7	41
18	Canopy 2 attenuates the transition from compensatory hypertrophy to dilated heart failure in hypertrophic cardiomyopathy. <i>European Heart Journal</i> , 2015, 36, 2530-2540.	1.0	41

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19	Interleukin-6 downregulation with mesenchymal stem cell differentiation results in loss of immunoprivilege. <i>Journal of Cellular and Molecular Medicine</i> , 2013, 17, 1136-1145.	1.6	39
20	Prophylactic supplementation of resveratrol is more effective than its therapeutic use against doxorubicin induced cardiotoxicity. <i>PLoS ONE</i> , 2017, 12, e0181535.	1.1	37
21	Bioactive and trackable MXene quantum dots for subcellular nanomedicine applications. <i>Materials and Design</i> , 2020, 196, 109091.	3.3	37
22	Inflammation in myocardial injury: mesenchymal stem cells as potential immunomodulators. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 317, H213-H225.	1.5	33
23	Hypercholesterolemia and LDL receptor mRNA expression: modulation by selenium supplementation. <i>BioMetals</i> , 2006, 19, 493-501.	1.8	32
24	Erythropoietin protects against doxorubicin-induced heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H2413-H2421.	1.5	32
25	Risk Factors Preceding Type 2 Diabetes and Cardiomyopathy. <i>Journal of Cardiovascular Translational Research</i> , 2010, 3, 580-596.	1.1	29
26	Class II transactivator knockdown limits major histocompatibility complex II expression, diminishes immune rejection, and improves survival of allogeneic bone marrow stem cells in the infarcted heart. <i>FASEB Journal</i> , 2016, 30, 3069-3082.	0.2	29
27	Early passaging of mesenchymal stem cells does not instigate significant modifications in their immunological behavior. <i>Stem Cell Research and Therapy</i> , 2018, 9, 121.	2.4	29
28	Attenuation of LDL receptor gene expression by selenium deficiency during hypercholesterolemia. <i>Molecular and Cellular Biochemistry</i> , 2006, 282, 75-82.	1.4	27
29	Hypoxia-induced 26S proteasome dysfunction increases immunogenicity of mesenchymal stem cells. <i>Cell Death and Disease</i> , 2019, 10, 90.	2.7	27
30	Application of injectable hydrogels for cardiac stem cell therapy and tissue engineering. <i>Reviews in Cardiovascular Medicine</i> , 2019, 20, 221.	0.5	25
31	Hypercholesterolemia and apolipoprotein B expression: regulation by selenium status. <i>Lipids in Health and Disease</i> , 2005, 4, 28.	1.2	24
32	Metformin impairs homing ability and efficacy of mesenchymal stem cells for cardiac repair in streptozotocin-induced diabetic cardiomyopathy in rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H1290-H1302.	1.5	23
33	Interleukin-10 activates Toll-like receptor 4 and requires MyD88 for cardiomyocyte survival. <i>Cytokine</i> , 2013, 61, 304-314.	1.4	22
34	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 <i>The Cellular and Molecular Basis of Cardiovascular Dysfunction, Dhalla 70th Birthday Tribute.. Canadian Journal of Physiology and Pharmacology</i> , 2007, 85, 439-443.	0.7	21
35	Expression of CNPY2 in Mouse Tissues: Quantification and Localization. <i>PLoS ONE</i> , 2014, 9, e111370.	1.1	20
36	Influenza a virus-triggered autophagy decreases the pluripotency of human-induced pluripotent stem cells. <i>Cell Death and Disease</i> , 2019, 10, 337.	2.7	19

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37	The role of autophagy in the metabolism and differentiation of stem cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2022, 1868, 166412.	1.8	18
38	Challenges in Allogeneic Mesenchymal Stem Cell-Mediated Cardiac Repair. <i>Trends in Cardiovascular Medicine</i> , 2010, 20, 263-268.	2.3	15
39	Hypoxia-induced shift in the phenotype of proteasome from 26S toward immunoproteasome triggers loss of immunoprivilege of mesenchymal stem cells. <i>Cell Death and Disease</i> , 2020, 11, 419.	2.7	15
40	An insight into the mechanisms of COVID-19, SARS-CoV2 infection severity concerning β -cell survival and cardiovascular conditions in diabetic patients. <i>Molecular and Cellular Biochemistry</i> , 2022, 477, 1681-1695.	1.4	15
41	Development of iPSC-based clinical trial selection platform for patients with ultrarare diseases. <i>Science Advances</i> , 2022, 8, eabl4370.	4.7	13
42	Myocardial Cell Signaling During the Transition to Heart Failure. , 2018, 9, 75-125.		12
43	MXene-aromatic thermosetting copolyester nanocomposite as an extremely wear-resistant biocompatible implant material for osteoarthritis applications. <i>Applied Surface Science</i> , 2022, 600, 154124.	3.1	12
44	Elimination or neutralization of endogenous high-molecular-weight FGF2 mitigates doxorubicin-induced cardiotoxicity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H279-H288.	1.5	11
45	Generation and Evaluation of Isogenic iPSC as a Source of Cell Replacement Therapies in Patients with Kearns Sayre Syndrome. <i>Cells</i> , 2021, 10, 568.	1.8	11
46	Stem cell therapy for cardiac regeneration: hits and misses. <i>Canadian Journal of Physiology and Pharmacology</i> , 2015, 93, 835-841.	0.7	10
47	Hypoxia-induced increase in Sug1 leads to poor post-transplantation survival of allogeneic mesenchymal stem cells. <i>FASEB Journal</i> , 2020, 34, 12860-12876.	0.2	10
48	Hypoxia-induced downregulation of cyclooxygenase 2 leads to the loss of immunoprivilege of allogeneic mesenchymal stem cells. <i>FASEB Journal</i> , 2020, 34, 15236-15251.	0.2	10
49	Hypercholesterolemia and tissue-specific differential mRNA expression of type-1 5'-iodothyronine deiodinase under different selenium status in rats. <i>Biological Research</i> , 2006, 39, 307-19.	1.5	9
50	Conversion of 2D MXene to Multi-Low-Dimensional GerMXene Superlattice Heterostructure. <i>Advanced Functional Materials</i> , 2022, 32, 2108495.	7.8	9
51	Effect of Selenium Depletion and Supplementation on the Kinetics of Type I 5'-Iodothyronine Deiodinase and T_3/T_4 in Rats. <i>Biological Trace Element Research</i> , 2004, 97, 95-104.	1.9	8
52	Quantum Dots: Application of Ti_3C_2 MXene Quantum Dots for Immunomodulation and Regenerative Medicine (<i>Adv. Healthcare Mater.</i> 16/2019). <i>Advanced Healthcare Materials</i> , 2019, 8, 1970067.	3.9	8
53	Induced pluripotent stem cell line UOMi002-A from a patient with Leigh syndrome with compound heterozygous mutations in the NDUV1 gene. <i>Stem Cell Research</i> , 2020, 48, 101964.	0.3	8
54	Protective role of selenium status on T_3/T_4 kinetics in rats under hyperlipidemia. <i>Indian Journal of Biochemistry and Biophysics</i> , 2003, 40, 260-4.	0.2	8

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55	Reduced Granule Cell Proliferation and Molecular Dysregulation in the Cerebellum of Lysosomal Acid Phosphatase 2 (ACP2) Mutant Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2994.	1.8	6
56	High throughput screening reveals no significant changes in protein synthesis, processing, and degradation machinery during passaging of mesenchymal stem cells. <i>Canadian Journal of Physiology and Pharmacology</i> , 2019, 97, 536-543.	0.7	5
57	Generation of human induced pluripotent stem cell (hiPSC) line UOMi005-A from PBMCs of a patient with Kearns-Sayre syndrome. <i>Stem Cell Research</i> , 2021, 53, 102283.	0.3	5
58	Synthesis of Aliphatic Polyester Hydrogel for Cardiac Tissue Engineering. <i>Methods in Molecular Biology</i> , 2014, 1181, 51-59.	0.4	5
59	Modulation of Alloimmune Responses by Interleukin-10 Prevents Rejection of Implanted Allogeneic Smooth Muscle Cells and Restores Postinfarction Ventricular Function. <i>Cell Transplantation</i> , 2015, 24, 1013-1029.	1.2	3
60	Human-Induced Pluripotent Stem Cell-Derived Mesenchymal Stem Cells as an Individual-Specific and Renewable Source of Adult Stem Cells. <i>Methods in Molecular Biology</i> , 2017, 1553, 183-190.	0.4	3
61	Generation of human induced pluripotent stem cell (hiPSC) line UOMi001-A from a patient with Leigh-like syndrome harbouring compound heterozygous variants in ECHS1 gene. <i>Stem Cell Research</i> , 2020, 48, 101934.	0.3	3
62	Fabrication of Smart Tantalum Carbide MXene Quantum Dots with Intrinsic Immunomodulatory Properties for Treatment of Allograft Vasculopathy (<i>Adv. Funct. Mater.</i> 46/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170341.	7.8	1
63	Transition from hypertrophy to heart failure in guinea pigs is associated with an increase in apoptosis. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 42, S84.	0.9	0
64	Methods for Long-Term Storage of Murine Bone Marrow-Derived Mesenchymal Stem Cells. <i>Methods in Molecular Biology</i> , 2017, 1553, 241-248.	0.4	0
65	Derivation of Mesenchymal Stem Cells from Embryonic Stem Cells: A Non-Variable and Inexhaustive Source of Adult Stem Cells. <i>Methods in Molecular Biology</i> , 2017, 1553, 15-23.	0.4	0
66	iPSC based multisystemic-disease models from patients of mitochondrial disorder display varied disease progression in different cell types. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 124, 103.	0.9	0
67	Introduction. <i>Canadian Journal of Physiology and Pharmacology</i> , 2019, 97, v-v.	0.7	0
68	Establishment of variant free-iPSC (UOMi003-A) line from patient with mitochondrial encephalopathy, lactic acidosis, and stroke-like episodes. <i>Stem Cell Research</i> , 2020, 48, 101935.	0.3	0
69	Role of prostaglandin E2 in allogeneic mesenchymal stem cell therapy for cardiac repair. <i>Canadian Journal of Physiology and Pharmacology</i> , 2021, 99, 140-150.	0.7	0
70	Human induced pluripotent stem cell (hiPSC) line UOMi006-A derived from PBMCs of a patient with Kearns-Sayre syndrome. <i>Stem Cell Research</i> , 2021, 53, 102355.	0.3	0
71	Biocompatible Electrodes: Development of Fluorine-Free Tantalum Carbide MXene Hybrid Structure as a Biocompatible Material for Supercapacitor Electrodes (<i>Adv. Funct. Mater.</i> 30/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170219.	7.8	0
72	IL-10 mitigates TNF- α induced cardiomyocyte apoptosis: Role of mitogen-activated protein kinases. <i>FASEB Journal</i> , 2008, 22, 758.18.	0.2	0

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73	ANGIOTENSIN II INDUCED APOPTOSIS IN ADULT CARDIOMYOCYTE IS SUPPRESSED BY ALL TRANS-RETINOIC ACID. FASEB Journal, 2009, 23, 618.4.	0.2	0
74	Hypoxia-Induced Inactivation of 26S Proteasome Increases Immunogenicity of Allogeneic Mesenchymal Stem Cells. FASEB Journal, 2019, 33, lb600.	0.2	0
75	Allogeneic stem cell therapy for cardiac repair and host immune response. FASEB Journal, 2020, 34, 1-1.	0.2	0
76	Editorial: The Analysis of Nanovesicles, Biomaterials and Chemical Compounds: Assisting the Promotion of Angiogenesis and Enhancing Tissue Engineering Strategies. Frontiers in Cardiovascular Medicine, 2022, 9, 904738.	1.1	0
77	Establishment of a new human iPSC cell line (UOMi007-A) from a patient with Hypophosphatasia. Stem Cell Research, 2022, 63, 102839.	0.3	0