Rajesh Ramasamy

List of Publications by Year
in descending order

74 papers	2,559 citations	304743 22 h-index	189892 50 g-index
76 all docs	76 docs citations	76 times ranked	4132 citing authors

#	ARTICLE	IF	CITATIONS
1	Mesenchymal Stem Cells Inhibit Dendritic Cell Differentiation and Function by Preventing Entry Into the Cell Cycle. Transplantation, 2007, 83, 71-76.	1.0	404
2	Mesenchymal stem cells inhibit proliferation and apoptosis of tumor cells: impact on in vivo tumor growth. Leukemia, 2007, 21, 304-310.	7.2	366
3	The role of mesenchymal stem cells in haemopoiesis. Blood Reviews, 2006, 20, 161-171.	5.7	304
4	Gender effect on in vitro lymphocyte subset levels of healthy individuals. Cellular Immunology, 2012, 272, 214-219.	3.0	216
5	The immunosuppressive effects of human bone marrow-derived mesenchymal stem cells target T cell proliferation but not its effector function. Cellular Immunology, 2008, 251, 131-136.	3.0	156
6	Isolation and characterisation of mesenchymal stem cells derived from human placenta tissue. World Journal of Stem Cells, 2012, 4, 53.	2.8	85
7	Generation of mesenchymal stem cell from human umbilical cord tissue using a combination enzymatic and mechanical disassociation method. Cell Biology International, 2011, 35, 221-226.	3.0	84
8	Immunomodulatory activity of polyphenols derived from Cassia auriculata flowers in aged rats. Cellular Immunology, 2011, 271, 474-479.	3.0	58
9	Bone marrow-derived mesenchymal stem cells modulate BV2 microglia responses to lipopolysaccharide. International Immunopharmacology, 2010, 10, 1532-1540.	3.8	44
10	Basic fibroblast growth factor modulates cell cycle of human umbilical cordâ€derived mesenchymal stem cells. Cell Proliferation, 2012, 45, 132-139.	5.3	43
11	Human mesenchymal stem cells protect neutrophils from serum-deprived cell death. Cell Biology International, 2011, 35, 1247-1251.	3.0	42
12	Human umbilical cord bloodâ€derived mesenchymal stem cells (hUCBâ€MSC) inhibit the proliferation of K562 (human erythromyeloblastoid leukaemic cell line). Cell Biology International, 2012, 36, 793-801.	3.0	39
13	Mesenchymal stem cells exert anti-proliferative effect on lipopolysaccharide-stimulated BV2 microglia by reducing tumour necrosis factor-Î± levels. Journal of Neuroinflammation, 2014, 11, 149.	7.2	39
14	Gene Transfer into the Lung by Nanoparticle Dextran-Spermine/Plasmid DNA Complexes. Journal of Biomedicine and Biotechnology, 2010, 2010, 1-10.	3.0	38
15	Reciprocal interactions of mouse bone marrow-derived mesenchymal stem cells and BV2 microglia after lipopolysaccharide stimulation. Stem Cell Research and Therapy, 2013, 4, 12.	5.5	37
16	ZnO Binding Peptides: Smart Versatile Tools for Controlled Modification of ZnO Growth Mechanism and Morphology. Chemistry of Materials, 2015, 27, 1950-1960.	6.7	36
17	Advancements in reprogramming strategies for the generation of induced pluripotent stem cells. Journal of Assisted Reproduction and Genetics, 2011, 28, 291-301.	2.5	30
18	Phenolics profile and anti-proliferative activity of Cyphomandra Betacea fruit in breast and liver cancer cells. SpringerPlus, 2016, 5, 2105.	1.2	27

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19	Nicotinamide Supplementation Protects Gestational Diabetic Rats by Reducing Oxidative Stress and Enhancing Immune Responses. Current Medicinal Chemistry, 2012, 19, 5181-5186.	2.4	26
20	Animal Model of Gestational Diabetes Mellitus with Pathophysiological Resemblance to the Human Condition Induced by Multiple Factors (Nutritional, Pharmacological, and Stress) in Rats. BioMed Research International, 2016, 2016, 1-14.	1.9	25
21	Preliminary study on overproduction of reactive oxygen species by neutrophils in diabetes mellitus. World Journal of Diabetes, 2016, 7, 271.	3.5	25
22	Understanding the mode-of-action of Cassia auriculata via in silico and in vivo studies towards validating it as a long term therapy for type II diabetes. Journal of Ethnopharmacology, 2017, 197, 61-72.	4.1	24
23	The Bahasa Melayu version of Cornell Musculoskeletal Discomfort Questionnaire (CMDQ): Reliability and validity study in Malaysia. Work, 2016, 54, 171-178.	1.1	22
24	Nutritional Compositions and Antiproliferative Activities of Different Solvent Fractions from Ethanol Extract of Cyphomandra betacea (Tamarillo) Fruit. The Malaysian Journal of Medical Sciences, 2017, 24, 19-32.	0.5	22
25	Extracellular matrix from decellularized mesenchymal stem cells improves cardiac gene expressions and oxidative resistance in cardiac C-kit cells. Regenerative Therapy, 2019, 11, 8-16.	3.0	22
26	Inhibitory effects of palm Î±-, Î³- and Î´-tocotrienol on lipopolysaccharide-induced nitric oxide production in BV2 microglia. Cellular Immunology, 2011, 271, 205-209.	3.0	21
27	A Comparative Assessment of Nutritional Composition, Total Phenolic, Total Flavonoid, Antioxidant Capacity, and Antioxidant Vitamins of Two Types of Malaysian Underutilized Fruits (<i>Averrhoa) Tj ETQq1 1 0.784314 rgBT /Overlock 1	3.1	21
28	Mesenchymal stem cells of human placenta and umbilical cord suppress Tâ€cell proliferation at G₀ phase of cell cycle. Cell Biology International, 2013, 37, 250-256.	3.0	18
29	Characterization and Expression of Senescence Marker in Prolonged Passages of Rat Bone Marrow-Derived Mesenchymal Stem Cells. Stem Cells International, 2016, 2016, 1-14.	2.5	17
30	Mesenchymal stem cells inhibit proliferation of lymphoid origin haematopoietic tumour cells by inducing cell cycle arrest. Medical Journal of Malaysia, 2010, 65, 209-14.	0.2	16
31	Colostrum supplementation protects against exercise - induced oxidative stress in skeletal muscle in mice. BMC Research Notes, 2012, 5, 649.	1.4	15
32	Office Exercise Training to Reduce and Prevent the Occurrence of Musculoskeletal Disorders among Office Workers: A Hypothesis. The Malaysian Journal of Medical Sciences, 2016, 23, 54-58.	0.5	15
33	Human mesenchymal stromal cells modulate T-cell immune response via transcriptomic regulation. Cytotherapy, 2016, 18, 1270-1283.	0.7	15
34	Prevalence Rate of Musculoskeletal Discomforts Based on Severity Level Among Office Workers. Acta Medica Bulgarica, 2016, 43, 54-63.	0.1	15
35	Generation and characterization of human cardiac resident and non-resident mesenchymal stem cell. Cytotechnology, 2016, 68, 2061-2073.	1.6	14
36	Human mesenchymal stem cells inhibit the differentiation and effector functions of monocytes. Innate Immunity, 2020, 26, 424-434.	2.4	14

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37	Evaluation of metabolic and immunological changes in streptozotocin-nicotinamide induced diabetic rats. Cellular Immunology, 2014, 289, 145-149.	3.0	13
38	Effect of orally administered soy milk fermented with Lactobacillus plantarum LAB12 and physical exercise on murine immune responses. Beneficial Microbes, 2015, 6, 491-496.	2.4	13
39	Rat full term amniotic fluid harbors highly potent stem cells. Research in Veterinary Science, 2015, 102, 89-99.	1.9	13
40	Immunophenotype and differentiation capacity of bone marrow-derived mesenchymal stem cells from CBA/Ca, ICR and Balb/c mice. World Journal of Stem Cells, 2013, 5, 34.	2.8	13
41	Electromagnetic field exposure as a plausible approach to enhance the proliferation and differentiation of mesenchymal stem cells in clinically relevant scenarios. Journal of Zhejiang University: Science B, 2022, 23, 42-57.	2.8	13
42	Elevated neutrophil respiratory burst activity in essential hypertensive patients. Cellular Immunology, 2010, 263, 230-234.	3.0	12
43	Comparative reliability of different instruments used to measure the severity of musculoskeletal disorders in office workers. Work, 2016, 54, 753-758.	1.1	12
44	Human Mesenchymal Stem Cells-mediated Transcriptomic Regulation of Leukemic Cells in Delivering Anti-tumorigenic Effects. Cell Transplantation, 2020, 29, 096368971988507.	2.5	10
45	Enhanced CD4+CD25+ regulatory T cells with splenic proliferation and protection against oxidative stress by nicotinamide in gestational diabetes. Current Medicinal Chemistry, 2012, , .	2.4	10
46	Effects of macrophage colony-stimulating factor on microglial responses to lipopolysaccharide and beta amyloid. Cellular Immunology, 2009, 259, 105-110.	3.0	9
47	Human mesenchymal stem cells promote CD34⁺ hematopoietic stem cell proliferation with preserved red blood cell differentiation capacity. Cell Biology International, 2017, 41, 697-704.	3.0	9
48	Impaired redox environment modulates cardiogenic and ion-channel gene expression in cardiac-resident and non-resident mesenchymal stem cells. Experimental Biology and Medicine, 2017, 242, 645-656.	2.4	8
49	Characterisation and immunosuppressive activity of human cartilage-derived mesenchymal stem cells. Cytotechnology, 2018, 70, 1037-1050.	1.6	4
50	Human Whartonâ€™s Jelly-Derived Mesenchymal Stem Cells Minimally Improve the Growth Kinetics and Cardiomyocyte Differentiation of Aged Murine Cardiac c-kit Cells in In Vitro without Rejuvenating Effect. International Journal of Molecular Sciences, 2019, 20, 5519.	4.1	3
51	Mesenchymal stem cells facilitate cardiac differentiation in Sox2 â€expressing cardiac Câ€kit cells in coculture. Journal of Cellular Biochemistry, 2019, 120, 9104-9116.	2.6	3
52	Neurobiological Observations of Bone Mesenchymal Stem Cells in vitro and in vivo of Injured Sciatic Nerve in Rabbit. Journal of Animal and Veterinary Advances, 2011, 10, 686-691.	0.1	3
53	Directional capacity of human mesenchymal stem cells to support hematopoietic stem cell proliferation in vitro. Gene, 2022, 820, 146218.	2.2	3
54	The effect of human mesenchymal stem cells on tumour cell proliferation. Medical Journal of Malaysia, 2008, 63 Suppl A, 63-4.	0.2	3

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55	Characteristics of Full-Term Amniotic Fluid-Derived Mesenchymal Stem Cells in Different Culture Media. , 2017, , .		2
56	Cellular function of satellite cells does not play a role in muscle weakness of adult Ts1Cje mice. Neuroscience Research Notes, 2018, 1, 3-10.	0.8	2
57	Generation and characterisation of human umbilical cord derived mesenchymal stem cells by explant method. Medical Journal of Malaysia, 2016, 71, 105-10.	0.2	2
58	Magnetic exposure using Samarium Cobalt (SmCO5) increased proliferation and stemness of human Umbilical Cord Mesenchymal Stem Cells (hUC-MSCs). Scientific Reports, 2022, 12, .	3.3	2
59	Enhanced Proliferation Potential of Human Umbilical Cord Mesenchymal Stem Cells Through Suspension Induction and Electromagnetic Field Exposure. IFMBE Proceedings, 2018, , 563-566.	0.3	1
60	Immunomodulatory Potential of Mesenchymal Stem Cells on Microglia. , 2012, , 261-272.		1
61	Production and Characterization of Monoclonal Antibodies to Aspergillus fumigatus. International Journal of Infectious Diseases, 2008, 12, e283.	3.3	0
62	Umbilical Cord-derived Mesenchymal Stem Cells Minimally Improve the Growth Kinetics of Aged Cardiac C-kit cells In Vitro. International Journal of Cardiology, 2019, 297, 27-28.	1.7	0
63	<i>Call for TERMIS-AP 2020 Special Issue Papers:</i> Revolutionizing Regenerative Research Strategies Towards Precision Medicine. Tissue Engineering - Part A, 2020, 26, 1-2.	3.1	0
64	<i>Call for TERMIS-AP 2020 Special Issue Papers:</i> Revolutionizing Regenerative Research Strategies Towards Precision Medicine. Tissue Engineering - Part A, 2020, 26, 583-584.	3.1	0
65	Call for TERMIS-AP 2020 Special Issue Papers: Revolutionizing Regenerative Research Strategies Towards Precision Medicine. Tissue Engineering - Part A, 2020, 26, 371-372.	3.1	0
66	<i>Call for TERMIS-AP 2020 Special Issue Papers:</i> Revolutionizing Regenerative Research Strategies Towards Precision Medicine. Tissue Engineering - Part A, 2020, 26, 111-112.	3.1	0
67	Controversial truth: Human pancreatic cancer cell line homes cancer stem cells. Frontiers in Pharmacology, 0, 9, .	3.5	0
68	Influence of Gestational Diabetes on Cognitive Function of the Adolescent Male/Female Offsprings. Frontiers in Pharmacology, 0, 9, .	3.5	0
69	The Multiple Facets of Mesenchymal Stem Cells in Modulating Tumor Cellsâ€™ Proliferation and Progression. , 2018, , 245-261.		0
70	Call for TERMIS-AP 2020 Special Issue Papers: Revolutionizing Regenerative Research Strategies Towards Precision Medicine. Tissue Engineering - Part A, 2020, 26, 375-376.	3.1	0
71	A Kâ€RAS Inhibitor Abrogates Selfâ€Renewal of Pancreatic Cancer Stem Cells <i>via</i> Kâ€RAS â€“ NFâ€ÎºB â€“ SOX2 Axis. FASEB Journal, 2020, 34, 1-1.	0.5	0
72	<i>Call for TERMIS-AP 2020 Special Issue Papers:</i> Revolutionizing Regenerative Research Strategies Towards Precision Medicine. Tissue Engineering - Part A, 2020, 26, 1126-1127.	3.1	0

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73	<i>Call for Papers:</i> Revolutionizing Regenerative Research Strategies Towards Precision Medicine from the Asia-Pacific Region. Tissue Engineering - Part C: Methods, 2022, 28, 1-2.	2.1	0
74	<i>Call for Papers:</i> Revolutionizing Regenerative Research Strategies Towards Precision Medicine from the Asia-Pacific Region. Tissue Engineering - Part C: Methods, 2022, 28, 49-50.	2.1	0