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List of Publications by Year in descending order

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90 papers	2,839 citations	230014 27 h-index	206121 51 g-index
92 all docs	92 docs citations	92 times ranked	4293 citing authors

#	Article	IF	Citations
1	Density-Dependent Differentiation of Tonsil-Derived Mesenchymal Stem Cells into Parathyroid-Hormone-Releasing Cells. International Journal of Molecular Sciences, 2022, 23, 715.	1.8	4
2	Valproic Acid-Induced CCN1 Promotes Osteogenic Differentiation by Increasing CCN1 Protein Stability through HDAC1 Inhibition in Tonsil-Derived Mesenchymal Stem Cells. Cells, 2022, 11, 534.	1.8	10
3	A COVID-19 mortality prediction model for Korean patients using nationwide Korean disease control and prevention agency database. Scientific Reports, 2022, 12, 3311.	1.6	5
4	Nano-sized Materials for Tissue Regeneration and Immune/Cancer Therapy. Tissue Engineering and Regenerative Medicine, 2022, 19, 203-204.	1.6	3
5	A Novel Method to Differentiate Tonsil-Derived Mesenchymal Stem Cells In Vitro into Estrogen-Secreting Cells. Tissue Engineering and Regenerative Medicine, 2021, 18, 253-264.	1.6	3
6	Zearalenone Induces Endothelial Cell Apoptosis through Activation of a Cytosolic Ca2+/ERK1/2/p53/Caspase 3 Signaling Pathway. Toxins, 2021, 13, 187.	1.5	15
7	Nuclear localization of endothelial nitric oxide synthase and nitric oxide production attenuates aphidicolin-induced endothelial cell death. Nitric Oxide - Biology and Chemistry, 2021, 109-110, 12-19.	1.2	1
8	Transient receptor potential vanilloid 2 mediates the inhibitory effect of far-infrared irradiation on adipogenic differentiation of tonsil-derived mesenchymal stem cells. Stem Cell Research, 2021, 53, 102291.	0.3	5
9	Far-infrared irradiation inhibits breast cancer cell proliferation independently of DNA damage through increased nuclear Ca2+/calmodulin binding modulated-activation of checkpoint kinase 2. Journal of Photochemistry and Photobiology B: Biology, 2021, 219, 112188.	1.7	8
10	Tonsil-derived mesenchymal stem cells enhance allogeneic bone marrow engraftment via collagen IV degradation. Stem Cell Research and Therapy, 2021, 12, 329.	2.4	9
11	Microstructured Surfaces for Reducing Chances of Fomite Transmission via Virus-Containing Respiratory Droplets. ACS Nano, 2021, 15, 14049-14060.	7.3	8
12	Three-dimensional culture method enhances the therapeutic efficacies of tonsil-derived mesenchymal stem cells in murine chronic colitis model. Scientific Reports, 2021, 11, 19589.	1.6	5
13	Tonsil-derived mesenchymal stem cells incorporated in reactive oxygen species-releasing hydrogel promote bone formation by increasing the translocation of cell surface GRP78. Biomaterials, 2021, 278, 121156.	5.7	8
14	Mortality Risk within 14 Days after Coronavirus Disease 2019 Diagnosis in Dementia Patients: A Nationwide Analysis. Dementia and Geriatric Cognitive Disorders, 2021, 50, 425-436.	0.7	5
15	A transcriptomic analysis of serial-cultured, tonsil-derived mesenchymal stem cells reveals decreased integrin Î±3 protein as a potential biomarker of senescent cells. Stem Cell Research and Therapy, 2020, 11, 359.	2.4	10
16	Greetings from the New Editor-in-Chief of â€˜Tissue Engineering and Regenerative Medicineâ€™. Tissue Engineering and Regenerative Medicine, 2020, 17, 121-121.	1.6	0
17	Zearalenone-Induced Interaction between PXR and Sp1 Increases Binding of Sp1 to a Promoter Site of the eNOS, Decreasing Its Transcription and NO Production in BAECs. Toxins, 2020, 12, 421.	1.5	9
18	Activation of ATM/Akt/CREB/eNOS Signaling Axis by Aphidicolin Increases NO Production and Vessel Relaxation in Endothelial Cells and Rat Aortas. Biomolecules and Therapeutics, 2020, 28, 549-560.	1.1	3

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19	Long-term effects of pro-opiomelanocortin methylation induced in food-restricted dams on metabolic phenotypes in male rat offspring. Obstetrics and Gynecology Science, 2020, 63, 239-250.	0.6	2
20	Application of Tonsil-Derived Mesenchymal Stem Cells in Tissue Regeneration: Concise Review. Stem Cells, 2019, 37, 1252-1260.	1.4	38
21	Optimization of Microenvironments Inducing Differentiation of Tonsil-Derived Mesenchymal Stem Cells into Endothelial Cell-Like Cells. Tissue Engineering and Regenerative Medicine, 2019, 16, 631-643.	1.6	8
22	Scaffolds for parathyroid tissue engineering. , 2019, , 787-807.		1
23	Plasma Klotho concentrations predict functional outcome at three months after acute ischemic stroke patients. Annals of Medicine, 2019, 51, 262-269.	1.5	16
24	Administration of Tonsil-Derived Mesenchymal Stem Cells Improves Glucose Tolerance in High Fat Diet-Induced Diabetic Mice via Insulin-Like Growth Factor-Binding Protein 5-Mediated Endoplasmic Reticulum Stress Modulation. Cells, 2019, 8, 368.	1.8	11
25	The efficacy of conditioned medium released by tonsil-derived mesenchymal stem cells in a chronic murine colitis model. PLoS ONE, 2019, 14, e0225739.	1.1	10
26	Far-Infrared Irradiation Inhibits Adipogenic Differentiation and Stimulates Osteogenic Differentiation of Human Tonsil-Derived Mesenchymal Stem Cells: Role of Protein Phosphatase 2B. Cellular Physiology and Biochemistry, 2019, 52, 240-253.	1.1	10
27	Title is missing!. , 2019, 14, e0225739.		0
28	Title is missing!. , 2019, 14, e0225739.		0
29	Title is missing!. , 2019, 14, e0225739.		0
30	Title is missing!. , 2019, 14, e0225739.		0
31	Sustained release of parathyroid hormone via in situ crossâ€linking gelatin hydrogels improves the therapeutic potential of tonsilâ€derived mesenchymal stem cells for hypoparathyroidism. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e1747-e1756.	1.3	14
32	Aberrant Promoter Hypomethylation of Sortilin 1: A Moyamoya Disease Biomarker. Journal of Stroke, 2018, 20, 350-361.	1.4	13
33	Double intratibial injection of human tonsil-derived mesenchymal stromal cells recovers postmenopausal osteoporotic bone mass. Cytotherapy, 2018, 20, 1013-1027.	0.3	12
34	Tonsil-derived mesenchymal stem cell-embedded in situ crosslinkable gelatin hydrogel therapy recovers postmenopausal osteoporosis through bone regeneration. PLoS ONE, 2018, 13, e0200111.	1.1	21
35	Autophagy induction in the skeletal myogenic differentiation of human tonsil-derived mesenchymal stem cells. International Journal of Molecular Medicine, 2017, 39, 831-840.	1.8	17
36	Therapeutic potential of tonsil-derived mesenchymal stem cells in dextran sulfate sodium-induced experimental murine colitis. PLoS ONE, 2017, 12, e0183141.	1.1	23

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37	Effect of Individual and District-level Socioeconomic Disparities on Cognitive Decline in Community-dwelling Elderly in Seoul. Journal of Korean Medical Science, 2017, 32, 1508.	1.1	13
38	Tonsil-Derived Mesenchymal Stem Cells Differentiate into a Schwann Cell Phenotype and Promote Peripheral Nerve Regeneration. International Journal of Molecular Sciences, 2016, 17, 1867.	1.8	47
39	Maternal Food Restriction during Pregnancy and Lactation Adversely Affect Hepatic Growth and Lipid Metabolism in Three-Week-Old Rat Offspring. International Journal of Molecular Sciences, 2016, 17, 2115.	1.8	17
40	Citron Rho-interacting kinase mediates arsenite-induced decrease in endothelial nitric oxide synthase activity by increasing phosphorylation at threonine 497: Mechanism underlying arsenite-induced vascular dysfunction. Free Radical Biology and Medicine, 2016, 90, 133-144.	1.3	10
41	Myogenic differentiation potential of human tonsil-derived mesenchymal stem cells and their potential for use to promote skeletal muscle regeneration. International Journal of Molecular Medicine, 2016, 37, 1209-1220.	1.8	50
42	Expression of tenocyte lineage-related factors from tonsil-derived mesenchymal stem cells. Tissue Engineering and Regenerative Medicine, 2016, 13, 162-170.	1.6	14
43	Expression of angiopoietin-1 in hypoxic pericytes: Regulation by hypoxia-inducible factor-2Î± and participation in endothelial cell migration and tube formation. Biochemical and Biophysical Research Communications, 2016, 469, 263-269.	1.0	21
44	Scaffold-free parathyroid tissue engineering using tonsil-derived mesenchymal stem cells. Acta Biomaterialia, 2016, 35, 215-227.	4.1	31
45	CCN1 acutely increases nitric oxide production via integrin Î±vÎ²3â€“Aktâ€“S6Kâ€“phosphorylation of endothelial nitric oxide synthase at the serine 1177 signaling axis. Free Radical Biology and Medicine, 2015, 89, 229-240.	1.3	14
46	Tonsil-derived Mesenchymal Stem Cells Ameliorate CCl4â€“induced Liver Fibrosis in Mice via Autophagy Activation. Scientific Reports, 2015, 5, 8616.	1.6	97
47	Differentiated tonsil-derived mesenchymal stem cells embedded in Matrigel restore parathyroid cell functions in rats with parathyroidectomy. Biomaterials, 2015, 65, 140-152.	5.7	56
48	Characterisation of insulin-producing cells differentiated from tonsil derived mesenchymal stem cells. Differentiation, 2015, 90, 27-39.	1.0	33
49	B56Î´ subunit of protein phosphatase 2A decreases phosphorylation of endothelial nitric oxide synthase at serine 116: Mechanism underlying aphidicolin-stimulated NO production. Nitric Oxide - Biology and Chemistry, 2015, 50, 46-51.	1.2	4
50	CCN1 Secreted by Tonsilâ€Derived Mesenchymal Stem Cells Promotes Endothelial Cell Angiogenesis via Integrin Î±_vÎ²₃ and AMPK. Journal of Cellular Physiology, 2015, 230, 140-149.	2.0	31
51	The Green Tea Component (-)-Epigallocatechin-3-Gallate Sensitizes Primary Endothelial Cells to Arsenite-Induced Apoptosis by Decreasing c-Jun N-Terminal Kinase-Mediated Catalase Activity. PLoS ONE, 2015, 10, e0138590.	1.1	12
52	Comparative analysis of cigarette smoke induced cellular proteome distributions on bovine aortic endothelial cells. Molecular and Cellular Toxicology, 2014, 10, 135-148.	0.8	1
53	Characterization of longâ€term in vitro cultureâ€related alterations of human tonsilâ€derived mesenchymal stem cells: role for <scp>CCN</scp>1 in replicative senescenceâ€associated increase in osteogenic differentiation. Journal of Anatomy, 2014, 225, 510-518.	0.9	52
54	Valproic acid increases NO production via the SH-PTP1â€“CDK5â€“eNOS-Ser116 signaling cascade in endothelial cells and mice. Free Radical Biology and Medicine, 2014, 76, 96-106.	1.3	23

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55	Tonsil-derived mesenchymal stem cells alleviate concanavalin A-induced acute liver injury. Experimental Cell Research, 2014, 326, 143-154.	1.2	60
56	Far-infrared radiation inhibits proliferation, migration, and angiogenesis of human umbilical vein endothelial cells by suppressing secretory clusterin levels. Cancer Letters, 2014, 346, 74-83.	3.2	29
57	Selective osteogenesis by a synthetic mineral inducing peptide for the treatment of osteoporosis. Biomaterials, 2014, 35, 9747-9754.	5.7	31
58	Arsenite Acutely Decreases Nitric Oxide Production via the ROSâ€”Protein Phosphatase 1â€”Endothelial Nitric Oxide Synthase-Thr497Signaling Cascade. Biomolecules and Therapeutics, 2014, 22, 510-518.	1.1	11
59	Controlled Release of Simvastatin from In situ Forming Hydrogel Triggers Bone Formation in MC3T3-E1 Cells. AAPS Journal, 2013, 15, 367-376.	2.2	42
60	Uric acid attenuates nitric oxide production by decreasing the interaction between endothelial nitric oxide synthase and calmodulin in human umbilical vein endothelial cells: A mechanism for uric acid-induced cardiovascular disease development. Nitric Oxide - Biology and Chemistry, 2013, 32, 36-42.	1.2	93
61	Trichostatin A epigenetically increases calpastatin expression and inhibits calpain activity and calcium-induced SH-SY5Y neuronal cell toxicity. FEBS Journal, 2013, 280, 6691-6701.	2.2	18
62	Toxicoproteomic analysis of bovine aortic endothelial cell under exposure to cigarette smoking extracts. Molecular and Cellular Toxicology, 2013, 9, 341-349.	0.8	1
63	Feed restriction during pregnancy/lactation induces programmed changes in lipid, adiponectin and leptin levels with gender differences in rat offspring. Journal of Maternal-Fetal and Neonatal Medicine, 2013, 26, 908-914.	0.7	24
64	Histone H3 lysine 27 and 9 hypermethylation within the Bad promoter region mediates 5-Aza-2â€²-deoxycytidine-induced Leydig cell apoptosis: implications of 5-Aza-2â€²-deoxycytidine toxicity to male reproduction. Apoptosis: an International Journal on Programmed Cell Death, 2013, 18, 99-109.	2.2	25
65	B56Î± subunit of protein phosphatase 2A mediates retinoic acid-induced decreases in phosphorylation of endothelial nitric oxide synthase at serine 1179 and nitric oxide production in bovine aortic endothelial cells. Biochemical and Biophysical Research Communications, 2013, 430, 476-481.	1.0	14
66	Far-infrared radiation acutely increases nitric oxide production by increasing Ca2+ mobilization and Ca2+/calmodulin-dependent protein kinase II-mediated phosphorylation of endothelial nitric oxide synthase at serine 1179. Biochemical and Biophysical Research Communications, 2013, 436, 601-606.	1.0	44
67	Tonsil-derived mesenchymal stromal cells: evaluation of biologic, immunologic and genetic factors for successful banking. Cytotherapy, 2012, 14, 1193-1202.	0.3	118
68	c-Jun N-terminal kinase 2 phosphorylates endothelial nitric oxide synthase at serine 116 and regulates nitric oxide production. Biochemical and Biophysical Research Communications, 2012, 417, 340-345.	1.0	16
69	DNA methylation of the 5â€²-untranslated region at +298 and +351 represses BACE1 expression in mouse BV-2 microglial cells. Biochemical and Biophysical Research Communications, 2012, 417, 387-392.	1.0	23
70	Serum levels of zinc, calcium, and iron are associated with the risk of preeclampsia in pregnant women. Nutrition Research, 2012, 32, 764-769.	1.3	48
71	Effect of feed restriction during gestation and lactation period on changes in organ weight in rat offspring. Korean Journal of Obstetrics & Gynecology, 2012, 55, 822.	0.1	1
72	Chk1 and Hsp90 cooperatively regulate phosphorylation of endothelial nitric oxide synthase at serine 1179. Free Radical Biology and Medicine, 2011, 51, 2217-2226.	1.3	26

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73	Cyclin-Dependent Kinase 5 Phosphorylates Endothelial Nitric Oxide Synthase at Serine 116. Hypertension, 2010, 55, 345-352.	1.3	28
74	The transgenerational impact of benzo(a)pyrene on murine male fertility. Human Reproduction, 2010, 25, 2427-2433.	0.4	83
75	Isolation of a ventricleâ€specific promoter for the zebrafish ventricular myosin heavy chain (vmhc) gene and its regulation by GATA factors during embryonic heart development. Developmental Dynamics, 2009, 238, 1574-1581.	0.8	12
76	Coordinated regulation of angiopoietin-1 and vascular endothelial growth factor by arsenite in human brain microvascular pericytes: Implications of arsenite-induced vascular dysfunction. Toxicology, 2009, 264, 26-31.	2.0	10
77	Differential expression of stromal cell-derived factor 1 in human brain microvascular endothelial cells and pericytes involves histone modifications. Biochemical and Biophysical Research Communications, 2009, 382, 519-524.	1.0	23
78	An adaptation of the Korean mini-mental state examination (K-MMSE) in elderly Koreans: Demographic influence and population-based norms (the AGE study). Archives of Gerontology and Geriatrics, 2008, 47, 302-310.	1.4	231
79	Dexamethasone increases angiopoietinâ€1 and quiescent hematopoietic stem cells: A novel mechanism of dexamethasoneâ€induced hematoprotection. FEBS Letters, 2008, 582, 3509-3514.	1.3	11
80	A novel collagen-binding peptide promotes osteogenic differentiation via Ca2+/calmodulin-dependent protein kinase II/ERK/AP-1 signaling pathway in human bone marrow-derived mesenchymal stem cells. Cellular Signalling, 2008, 20, 613-624.	1.7	63
81	Dexamethasone coordinately regulates angiopoietin-1 and VEGF: A mechanism of glucocorticoid-induced stabilization of bloodâ€“brain barrier. Biochemical and Biophysical Research Communications, 2008, 372, 243-248.	1.0	116
82	Hypoxia-Induced Endothelial NO Synthase Gene Transcriptional Activation Is Mediated Through the Tax-Responsive Element in Endothelial Cells. Hypertension, 2006, 47, 1189-1196.	1.3	29
83	Retinoic acid decreases nitric oxide production in endothelial cells: a role of phosphorylation of endothelial nitric oxide synthase at Ser1179. Biochemical and Biophysical Research Communications, 2005, 326, 703-710.	1.0	18
84	In vivo bone formation by human marrow stromal cells in biodegradable scaffolds that release dexamethasone and ascorbate-2-phosphate. Biochemical and Biophysical Research Communications, 2005, 332, 1053-1060.	1.0	83
85	Nitric Oxide Production and Regulation of Endothelial Nitric-oxide Synthase Phosphorylation by Prolonged Treatment with Troglitazone. Journal of Biological Chemistry, 2004, 279, 2499-2506.	1.6	149
86	Rapid increase in endothelial nitric oxide production by bradykinin is mediated by protein kinase A signaling pathway. Biochemical and Biophysical Research Communications, 2003, 306, 981-987.	1.0	95
87	Hypoxia and vascular endothelial growth factor acutely up-regulate angiopoietin-1 and Tie2 mRNA in bovine retinal pericytes. Microvascular Research, 2003, 65, 125-131.	1.1	86
88	Serum deprivation increases the expression of low density lipoprotein receptor-related protein in primary cultured rat astrocytes. Biochemical and Biophysical Research Communications, 2002, 299, 102-108.	1.0	9
89	AQP2 is a substrate for endogenous PP2B activity within an inner medullary AKAP-signaling complex. American Journal of Physiology - Renal Physiology, 2001, 281, F958-F965.	1.3	57
90	Nongenomic Stimulation of Nitric Oxide Release by Estrogen Is Mediated by Estrogen Receptor Î± Localized in Caveolae. Biochemical and Biophysical Research Communications, 1999, 263, 257-262.	1.0	279