Gi Jin Kim

List of Publications by Year
in descending order

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60 papers	1,763 citations	430843 18 h-index	289230 40 g-index
73 all docs	73 docs citations	73 times ranked	2586 citing authors

#	Article	IF	Citations
1	Alteration of fatty acid oxidation by increased CPT1A on replicative senescence of placenta-derived mesenchymal stem cells. Stem Cell Research and Therapy, 2020, 11, 1.	5.5	311
2	Comparison of immunomodulatory effects of placenta mesenchymal stem cells with bone marrow and adipose mesenchymal stem cells. International Immunopharmacology, 2012, 13, 219-224.	3.8	156
3	Human chorionic-plate-derived mesenchymal stem cells and Whartonâ€™s jelly-derived mesenchymal stem cells: a comparative analysis of their potential as placenta-derived stem cells. Cell and Tissue Research, 2011, 346, 53-64.	2.9	121
4	MicroRNA125b-mediated Hedgehog signaling influences liver regeneration by chorionic plate-derived mesenchymal stem cells. Scientific Reports, 2015, 5, 14135.	3.3	114
5	Antiâ€fibrotic effect of chorionic plateâ€derived mesenchymal stem cells isolated from human placenta in a rat model of CCl₄â€injured liver: Potential application to the treatment of hepatic diseases. Journal of Cellular Biochemistry, 2010, 111, 1453-1463.	2.6	109
6	Human Placenta-Derived Mesenchymal Stem Cells Promote Hepatic Regeneration in CCl4-Injured Rat Liver Model via Increased Autophagic Mechanism. Stem Cells, 2013, 31, 1584-1596.	3.2	80
7	Comparison of in vitro hepatogenic differentiation potential between various placenta-derived stem cells and other adult stem cells as an alternative source of functional hepatocytes. Differentiation, 2012, 84, 223-231.	1.9	68
8	Increased SCF/câ€kit by hypoxia promotes autophagy of human placental chorionic plateâ€derived mesenchymal stem cells via regulating the phosphorylation of mTOR. Journal of Cellular Biochemistry, 2013, 114, 79-88.	2.6	62
9	Placenta extract promote liver regeneration in CCl4-injured liver rat model. International Immunopharmacology, 2011, 11, 976-984.	3.8	47
10	Epigenetic Alterations of IL-6/STAT3 Signaling by Placental Stem Cells Promote Hepatic Regeneration in a Rat Model with CCl4-induced Liver Injury. International Journal of Stem Cells, 2015, 8, 79-89.	1.8	43
11	3D-cultured human placenta-derived mesenchymal stem cell spheroids enhance ovary function by inducing folliculogenesis. Scientific Reports, 2018, 8, 15313.	3.3	40
12	Vascular remodeling by placenta-derived mesenchymal stem cells restores ovarian function in ovariectomized rat model via the VEGF pathway. Laboratory Investigation, 2021, 101, 304-317.	3.7	38
13	Effects of hypoxia inducible factors-1Î± on autophagy and invasion of trophoblasts. Clinical and Experimental Reproductive Medicine, 2012, 39, 73.	1.5	36
14	Placenta-Derived Mesenchymal Stem Cells Restore the Ovary Function in an Ovariectomized Rat Model via an Antioxidant Effect. Antioxidants, 2020, 9, 591.	5.1	36
15	Recent trends in stem cell therapy for premature ovarian insufficiency and its therapeutic potential: a review. Journal of Ovarian Research, 2020, 13, 74.	3.0	33
16	In vitro screening system for hepatotoxicity: Comparison of boneâ€marrowâ€derived mesenchymal stem cells and Placentaâ€derived stem cells. Journal of Cellular Biochemistry, 2011, 112, 49-58.	2.6	23
17	Effect of Mesenchymal Stem Cells and Extracts Derived from the Placenta on Trophoblast Invasion and Immune Responses. Stem Cells and Development, 2014, 23, 132-145.	2.1	23
18	Exosomes from Placenta-Derived Mesenchymal Stem Cells Are Involved in Liver Regeneration in Hepatic Failure Induced by Bile Duct Ligation. Stem Cells International, 2020, 2020, 1-12.	2.5	21

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19	A Disintegrin and Metalloproteinase 9 (ADAM9) in Advanced Hepatocellular Carcinoma and Their Role as a Biomarker During Hepatocellular Carcinoma Immunotherapy. Cancers, 2020, 12, 745.	3.7	20
20	Immunomodulatory Effects of Placenta-derived Mesenchymal Stem Cells on T Cells by Regulation of FoxP3 Expression. International Journal of Stem Cells, 2018, 11, 196-204.	1.8	19
21	Overexpression of pigment epithelium-derived factor in placenta-derived mesenchymal stem cells promotes mitochondrial biogenesis in retinal cells. Laboratory Investigation, 2021, 101, 51-69.	3.7	18
22	Microenvironmental Interaction Between Hypoxia and Endothelial Cells Controls the Migration Ability of Placentaâ€Derived Mesenchymal Stem Cells via Î±4 Integrin and Rho Signaling. Journal of Cellular Biochemistry, 2016, 117, 1145-1157.	2.6	17
23	Effects of selenium on the survival and invasion of trophoblasts. Clinical and Experimental Reproductive Medicine, 2018, 45, 10-16.	1.5	17
24	Dynamic Regulation of miRNA Expression by Functionally Enhanced Placental Mesenchymal Stem Cells Promotes Hepatic Regeneration in a Rat Model with Bile Duct Ligation. International Journal of Molecular Sciences, 2019, 20, 5299.	4.1	17
25	Human placenta-derived mesenchymal stem cells ameliorate orbital adipogenesis in female mice models of Gravesâ€™ ophthalmopathy. Stem Cell Research and Therapy, 2019, 10, 246.	5.5	16
26	Cytotoxicity of 5-fluorouracil: Effect on endothelial differentiation via cell cycle inhibition in mouse embryonic stem cells. Toxicology in Vitro, 2009, 23, 719-727.	2.4	15
27	Hypoxiaâ€induced downregulation of XIAP in trophoblasts mediates apoptosis via interaction with IMUPâ€2: Implications for placental development during preâ€eclampsia. Journal of Cellular Biochemistry, 2013, 114, 89-98.	2.6	15
28	Efficacy of Gene Modification in Placenta-Derived Mesenchymal Stem Cells Based on Nonviral Electroporation. International Journal of Stem Cells, 2021, 14, 112-118.	1.8	15
29	Microenvironmental changes induced by placenta-derived mesenchymal stem cells restore ovarian function in ovariectomized rats via activation of the PI3K-FOXO3 pathway. Stem Cell Research and Therapy, 2020, 11, 486.	5.5	14
30	Increased immortalizationâ€upregulated protein 2 (IMUPâ€2) by hypoxia induces apoptosis of the trophoblast and preâ€eclampsia. Journal of Cellular Biochemistry, 2010, 110, 522-530.	2.6	13
31	Human placenta-derived mesenchymal stem cells trigger repair system in TAA-injured rat model via antioxidant effect. Aging, 2021, 13, 61-76.	3.1	13
32	Changes in PTTG1 by human TERT gene expression modulate the self-renewal of placenta-derived mesenchymal stem cells. Cell and Tissue Research, 2014, 357, 145-157.	2.9	12
33	Mitochondrial Dynamics in Placenta-Derived Mesenchymal Stem Cells Regulate the Invasion Activity of Trophoblast. International Journal of Molecular Sciences, 2020, 21, 8599.	4.1	12
34	Enhanced PRL-1 expression in placenta-derived mesenchymal stem cells accelerates hepatic function via mitochondrial dynamics in a cirrhotic rat model. Stem Cell Research and Therapy, 2020, 11, 512.	5.5	12
35	Formyl Peptide Receptor 2 Alleviates Hepatic Fibrosis in Liver Cirrhosis by Vascular Remodeling. International Journal of Molecular Sciences, 2021, 22, 2107.	4.1	11
36	Environmental Benzopyrene Attenuates Stemness of Placenta-Derived Mesenchymal Stem Cells via Aryl Hydrocarbon Receptor. Stem Cells International, 2019, 2019, 1-12.	2.5	10

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37	Functionally enhanced placenta-derived mesenchymal stem cells inhibit adipogenesis in orbital fibroblasts with Gravesâ€™ ophthalmopathy. Stem Cell Research and Therapy, 2020, 11, 469.	5.5	10
38	The mitochondrial-derived peptide MOTS-c promotes homeostasis in aged human placenta-derived mesenchymal stem cells in vitro. Mitochondrion, 2021, 58, 135-146.	3.4	10
39	Activation of the EGFR-PI3K-CaM pathway by PRL-1-overexpressing placenta-derived mesenchymal stem cells ameliorates liver cirrhosis via ER stress-dependent calcium. Stem Cell Research and Therapy, 2021, 12, 551.	5.5	10
40	Alteration of Pituitary Tumor Transforming Gene-1 Regulates Trophoblast Invasion via the Integrin/Rho-Family Signaling Pathway. PLoS ONE, 2016, 11, e0149371.	2.5	9
41	Human Chorionic Plate-Derived Mesenchymal Stem Cells Restore Hepatic Lipid Metabolism in a Rat Model of Bile Duct Ligation. Stem Cells International, 2017, 2017, 1-9.	2.5	9
42	PEDF-Mediated Mitophagy Triggers the Visual Cycle by Enhancing Mitochondrial Functions in a H2O2-Injured Rat Model. Cells, 2021, 10, 1117.	4.1	9
43	Korean mistletoe lectin promotes proliferation and invasion of trophoblast cells through regulation of Akt signaling. Reproductive Toxicology, 2013, 39, 33-39.	2.9	8
44	Human placentaâ€derived mesenchymal stem cells induce trophoblast invasion via dynamic effects on mitochondrial function. Journal of Cellular Physiology, 2021, 236, 6678-6690.	4.1	8
45	miR-373-3p Regulates Invasion and Migration Abilities of Trophoblast Cells via Targeted CD44 and Radixin. International Journal of Molecular Sciences, 2021, 22, 6260.	4.1	7
46	Decreased C-reactive protein induces abnormal vascular structure in a rat model of liver dysfunction induced by bile duct ligation. Clinical and Molecular Hepatology, 2016, 22, 372-381.	8.9	7
47	Advanced Research on Stem Cell Therapy for Hepatic Diseases: Potential Implications of a Placenta-derived Mesenchymal Stem Cell-based Strategy. Hanyang Medical Reviews, 2015, 35, 207.	0.4	5
48	PRL-1 overexpressed placenta-derived mesenchymal stem cells suppress adipogenesis in Gravesâ€™ ophthalmopathy through SREBP2/HMGCR pathway. Stem Cell Research and Therapy, 2021, 12, 304.	5.5	5
49	Research Trends in the Efficacy of Stem Cell Therapy for Hepatic Diseases Based on MicroRNA Profiling. International Journal of Molecular Sciences, 2021, 22, 239.	4.1	5
50	Identification of microRNAs and their target genes in the placenta as biomarkers of inflammation. Clinical and Experimental Reproductive Medicine, 2020, 47, 42-53.	1.5	5
51	MIT-001 Restores Human Placenta-Derived Mesenchymal Stem Cells by Enhancing Mitochondrial Quiescence and Cytoskeletal Organization. International Journal of Molecular Sciences, 2021, 22, 5062.	4.1	4
52	Expression of miRNAs Targeting ATP Binding Cassette Transporter 1 (ABCA1) among Patients with Significant Carotid Artery Stenosis. Biomedicines, 2021, 9, 920.	3.2	4
53	The effect of ginsenosides on hepatogenic differentiation using placenta-derived stem cells as an in vitro screening system. Molecular and Cellular Toxicology, 2013, 9, 185-193.	1.7	3
54	Alterations in IL-6/STAT3 Signaling by Korean Mistletoe Lectin Regulate the Self-Renewal Activity of Placenta-Derived Mesenchymal Stem Cells. Nutrients, 2019, 11, 2604.	4.1	3

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55	Alteration of Pituitary Tumor Transforming Gene 1 by MicroRNA-186 and 655 Regulates Invasion Ability of Human Oral Squamous Cell Carcinoma. International Journal of Molecular Sciences, 2021, 22, 1021.	4.1	3
56	Upregulation of C-Reactive Protein by Placenta-Derived Mesenchymal Stem Cells Promotes Angiogenesis in A Rat Model with Cirrhotic Liver. International Journal of Stem Cells, 2020, 13, 404-413.	1.8	3
57	Combination Therapy of Placenta-Derived Mesenchymal Stem Cells with WKYMVm Promotes Hepatic Function in a Rat Model with Hepatic Disease via Vascular Remodeling. Cells, 2022, 11, 232.	4.1	3
58	Efficacy of chorionic plate-derived mesenchymal stem cells isolated from placenta in CCl4-injured rat liver depends on transplantation routes. Tissue Engineering and Regenerative Medicine, 2013, 10, 10-17.	3.7	2
59	Increased Phosphatase of Regenerating Liver-1 by Placental Stem Cells Promotes Hepatic Regeneration in a Bile-Duct-Ligated Rat Model. Cells, 2021, 10, 2530.	4.1	2
60	Increased phosphatase regenerating liver-1 trigger vascular remodeling in injured ovary via platelet-derived growth factor signaling pathway. Stem Cell Research and Therapy, 2022, 13, 95.	5.5	1