

Hyung-Sik Kim

List of Publications by Year in descending order

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53
papers

1,918
citations

304743

22
h-index

265206

42
g-index

54
all docs

54
docs citations

54
times ranked

3026
citing authors

#	ARTICLE	IF	CITATIONS
1	Human Umbilical Cord Blood Mesenchymal Stem Cells Reduce Colitis in Mice by Activating NOD2 Signaling to COX2. <i>Gastroenterology</i> , 2013, 145, 1392-1403.e8.	1.3	159
2	Human Umbilical Cord Blood Mesenchymal Stem Cell-Derived PGE2 and TGF- β 21 Alleviate Atopic Dermatitis by Reducing Mast Cell Degranulation. <i>Stem Cells</i> , 2015, 33, 1254-1266.	3.2	139
3	Human umbilical cord blood-stem cells direct macrophage polarization and block inflammasome activation to alleviate rheumatoid arthritis. <i>Cell Death and Disease</i> , 2016, 7, e2524-e2524.	6.3	131
4	Stem Cell-Derived Extracellular Vesicles as Immunomodulatory Therapeutics. <i>Stem Cells International</i> , 2019, 2019, 1-10.	2.5	109
5	Rapid and Efficient Direct Conversion of Human Adult Somatic Cells into Neural Stem Cells by HMGA2/ <i>let-7b</i> . <i>Cell Reports</i> , 2015, 10, 441-452.	6.4	107
6	Current Strategies to Enhance Adipose Stem Cell Function: An Update. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3827.	4.1	96
7	Clinical Trial of Human Umbilical Cord Blood-Derived Stem Cells for the Treatment of Moderate-to-Severe Atopic Dermatitis: Phase I/IIa Studies. <i>Stem Cells</i> , 2017, 35, 248-255.	3.2	94
8	Implication of NOD1 and NOD2 for the Differentiation of Multipotent Mesenchymal Stem Cells Derived from Human Umbilical Cord Blood. <i>PLoS ONE</i> , 2010, 5, e15369.	2.5	92
9	Mesenchymal Stem Cell Therapy for Inflammatory Skin Diseases: Clinical Potential and Mode of Action. <i>International Journal of Molecular Sciences</i> , 2017, 18, 244.	4.1	71
10	PGE2 maintains self-renewal of human adult stem cells via EP2-mediated autocrine signaling and its production is regulated by cell-to-cell contact. <i>Scientific Reports</i> , 2016, 6, 26298.	3.3	69
11	Human adipose tissue-derived mesenchymal stem cells alleviate atopic dermatitis via regulation of B lymphocyte maturation. <i>Oncotarget</i> , 2017, 8, 512-522.	1.8	61
12	A p38 MAPK-Mediated Alteration of COX-2/PGE2 Regulates Immunomodulatory Properties in Human Mesenchymal Stem Cell Aging. <i>PLoS ONE</i> , 2014, 9, e102426.	2.5	58
13	Donor-dependent variation of human umbilical cord blood mesenchymal stem cells in response to hypoxic preconditioning and amelioration of limb ischemia. <i>Experimental and Molecular Medicine</i> , 2018, 50, 1-15.	7.7	56
14	Growth arrest and forced differentiation of human primary glioblastoma multiforme by a novel small molecule. <i>Scientific Reports</i> , 2014, 4, 5546.	3.3	38
15	Cathepsin S contributes to microglia-mediated olfactory dysfunction through the regulation of Cx3cl1-Cx3cr1 axis in a Niemann-Pick disease type C1 model. <i>Glia</i> , 2016, 64, 2291-2305.	4.9	36
16	Excessive microglial activation aggravates olfactory dysfunction by impeding the survival of newborn neurons in the olfactory bulb of Niemann-Pick disease type C1 mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 2193-2203.	3.8	31
17	DNA methyltransferase inhibition accelerates the immunomodulation and migration of human mesenchymal stem cells. <i>Scientific Reports</i> , 2015, 5, 8020.	3.3	31
18	Effect of the screw type (S2-alar-iliac and iliac), screw length, and screw head angle on the risk of screw and adjacent bone failures after a spinopelvic fixation technique: A finite element analysis. <i>PLoS ONE</i> , 2018, 13, e0201801.	2.5	31

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19	Melatonin and verteporfin synergistically suppress the growth and stemness of head and neck squamous cell carcinoma through the regulation of mitochondrial dynamics. <i>Journal of Pineal Research</i> , 2022, 72, e12779.	7.4	28
20	Disease-specific primed human adult stem cells effectively ameliorate experimental atopic dermatitis in mice. <i>Theranostics</i> , 2019, 9, 3608-3621.	10.0	26
21	Antioxidant Properties of Tonsil-Derived Mesenchymal Stem Cells on Human Vocal Fold Fibroblast Exposed to Oxidative Stress. <i>Stem Cells International</i> , 2020, 2020, 1-12.	2.5	25
22	Echinochrome A Reduces Colitis in Mice and Induces In Vitro Generation of Regulatory Immune Cells. <i>Marine Drugs</i> , 2019, 17, 622.	4.6	24
23	Regenerative potential of tonsil mesenchymal stem cells on surgical cutaneous defect. <i>Cell Death and Disease</i> , 2018, 9, 183.	6.3	22
24	Current Advances in Red Blood Cell Generation Using Stem Cells from Diverse Sources. <i>Stem Cells International</i> , 2019, 2019, 1-10.	2.5	22
25	Therapeutic Functions of Stem Cells from Oral Cavity: An Update. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4389.	4.1	22
26	Generation of patient specific human neural stem cells from Niemann-Pick disease type C patient-derived fibroblasts. <i>Oncotarget</i> , 2017, 8, 85428-85441.	1.8	22
27	Mica Nanoparticle, STB-HO Eliminates the Human Breast Carcinoma Cells by Regulating the Interaction of Tumor with its Immune Microenvironment. <i>Scientific Reports</i> , 2015, 5, 17515.	3.3	21
28	Intraportally delivered stem cell spheroids localize in the liver and protect hepatocytes against GalN/LPS-induced fulminant hepatic toxicity. <i>Stem Cell Research and Therapy</i> , 2019, 10, 230.	5.5	20
29	Tensin-3 Regulates Integrin-Mediated Proliferation and Differentiation of Tonsil-Derived Mesenchymal Stem Cells. <i>Cells</i> , 2020, 9, 89.	4.1	18
30	Heterospheroid formation improves therapeutic efficacy of mesenchymal stem cells in murine colitis through immunomodulation and epithelial regeneration. <i>Biomaterials</i> , 2021, 271, 120752.	11.4	18
31	Immunologic properties of differentiated and undifferentiated mesenchymal stem cells derived from umbilical cord blood. <i>Journal of Veterinary Science</i> , 2016, 17, 289.	1.3	17
32	Inhibition by miR-410 facilitates direct retinal pigment epithelium differentiation of umbilical cord blood-derived mesenchymal stem cells. <i>Journal of Veterinary Science</i> , 2017, 18, 59.	1.3	16
33	Microglial involvement in the development of olfactory dysfunction. <i>Journal of Veterinary Science</i> , 2018, 19, 319.	1.3	16
34	Superoxide Dismutase 3-Transduced Mesenchymal Stem Cells Preserve Epithelial Tight Junction Barrier in Murine Colitis and Attenuate Inflammatory Damage in Epithelial Organoids. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6431.	4.1	14
35	The mechanism of submandibular gland dysfunction after menopause may be associated with the ferroptosis. <i>Aging</i> , 2020, 12, 21376-21390.	3.1	14
36	ACE2 and TMPRSS2 immunolocalization and oral manifestations of COVID-19. <i>Oral Diseases</i> , 2022, 28, 2456-2464.	3.0	14

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37	Stem cell-secreted 14,15- epoxyeicosatrienoic acid rescues cholesterol homeostasis and autophagic flux in Niemann-Pick-type C disease. <i>Experimental and Molecular Medicine</i> , 2018, 50, 1-14.	7.7	13
38	Strategies to Potentiate Paracrine Therapeutic Efficacy of Mesenchymal Stem Cells in Inflammatory Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3397.	4.1	13
39	Direct cell fate conversion of human somatic stem cells into cone and rod photoreceptor-like cells by inhibition of microRNA-203. <i>Oncotarget</i> , 0, 7, 42139-42149.	1.8	13
40	The activation of NLRP3 inflammasome potentiates the immunomodulatory abilities of mesenchymal stem cells in a murine colitis model. <i>BMB Reports</i> , 2020, 53, 329-334.	2.4	13
41	Microbial and molecular differences according to the location of head and neck cancers. <i>Cancer Cell International</i> , 2022, 22, 135.	4.1	13
42	Total Synthesis of Anmindentol A and Its Application to the Design, Synthesis, and Biological Evaluation of Derivatives Thereof. <i>Journal of Organic Chemistry</i> , 2019, 84, 10953-10961.	3.2	11
43	<i>Porphyrromonas gingivalis</i> exacerbates the progression of fatty liver disease via CD36-PPAR β pathway. <i>BMB Reports</i> , 2021, 54, 323-328.	2.4	11
44	Implication of <i>Porphyrromonas gingivalis</i> in colitis and homeostasis of intestinal epithelium. <i>Laboratory Animal Research</i> , 2019, 35, 26.	2.5	10
45	The Hippo-YAP Signaling as Guardian in the Pool of Intestinal Stem Cells. <i>Biomedicines</i> , 2020, 8, 560.	3.2	10
46	Human Tonsil-Derived Mesenchymal Stromal Cells Maintain Proliferating and ROS-Regulatory Properties via Stanniocalcin-1. <i>Cells</i> , 2020, 9, 636.	4.1	9
47	Effects of Human Mesenchymal Stem Cells Coculture on Calcium-Induced Differentiation of Normal Human Keratinocytes. <i>Stem Cells</i> , 2017, 35, 1592-1602.	3.2	7
48	Extracellular Vesicles from SOD3-Transduced Stem Cells Exhibit Improved Immunomodulatory Abilities in the Murine Dermatitis Model. <i>Antioxidants</i> , 2020, 9, 1165.	5.1	7
49	TNF- α Priming Elicits Robust Immunomodulatory Potential of Human Tonsil-Derived Mesenchymal Stem Cells to Alleviate Murine Colitis. <i>Biomedicines</i> , 2020, 8, 561.	3.2	7
50	Effects of oligonol on the submandibular gland in ovariectomized rats. <i>Biomedicine and Pharmacotherapy</i> , 2021, 141, 111897.	5.6	5
51	Increased calcium channel in the lamina propria of aging rat. <i>Aging</i> , 2019, 11, 8810-8824.	3.1	5
52	STB-HO, a novel mica fine particle, inhibits the teratoma-forming ability of human embryonic stem cells after in vivo transplantation. <i>Oncotarget</i> , 2016, 7, 2684-2695.	1.8	2
53	Oxime derivative TFOBO promotes cell death by modulating reactive oxygen species and regulating NADPH oxidase activity in myeloid leukemia. <i>Scientific Reports</i> , 2022, 12, 7519.	3.3	1