

Byung-Chul Lee

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

941
citations

567281

15
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

1616
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-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
3	Graphene quantum dots as anti-inflammatory therapy for colitis. <i>Science Advances</i> , 2020, 6, eaaz2630.	10.3	88
4	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
5	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
6	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
7	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
8	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
9	DNA methyltransferase inhibition accelerates the immunomodulation and migration of human mesenchymal stem cells. <i>Scientific Reports</i> , 2015, 5, 8020.	3.3	31
10	Disease-specific primed human adult stem cells effectively ameliorate experimental atopic dermatitis in mice. <i>Theranostics</i> , 2019, 9, 3608-3621.	10.0	26
11	GATA4-dependent regulation of the secretory phenotype via MCP-1 underlies lamin A-mediated human mesenchymal stem cell aging. <i>Experimental and Molecular Medicine</i> , 2018, 50, 1-12.	7.7	24
12	BMI1 inhibits senescence and enhances the immunomodulatory properties of human mesenchymal stem cells via the direct suppression of MKP-1/DUSP1. <i>Aging</i> , 2016, 8, 1670-1689.	3.1	24
13	Single-Factor SOX2 Mediates Direct Neural Reprogramming of Human Mesenchymal Stem Cells via Transfection of <i>In Vitro</i> Transcribed mRNA. <i>Cell Transplantation</i> , 2018, 27, 1154-1167.	2.5	23
14	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
15	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
16	MIS416 Enhances Therapeutic Functions of Human Umbilical Cord Blood-Derived Mesenchymal Stem Cells Against Experimental Colitis by Modulating Systemic Immune Milieu. <i>Frontiers in Immunology</i> , 2018, 9, 1078.	4.8	18
17	Graphene Quantum Dots Alleviate Impaired Functions in Niemann-Pick Disease Type C in Vivo. <i>Nano Letters</i> , 2021, 21, 2339-2346.	9.1	17
18	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

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19	cAMP/EPAC Signaling Enables ETV2 to Induce Endothelial Cells with High Angiogenesis Potential. <i>Molecular Therapy</i> , 2020, 28, 466-478.	8.2	13
20	Direct Conversion of Human Umbilical Cord Blood into Induced Neural Stem Cells with SOX2 and HMGA2. <i>International Journal of Stem Cells</i> , 2017, 10, 227-234.	1.8	13
21	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
22	Interferon- β -mediated secretion of tryptophanyl-tRNA synthetases has a role in protection of human umbilical cord blood-derived mesenchymal stem cells against experimental colitis. <i>BMB Reports</i> , 2019, 52, 318-323.	2.4	11
23	Oral administration of microbiome-friendly graphene quantum dots as therapy for colitis. <i>2D Materials</i> , 2021, 8, 025036.	4.4	7
24	Human umbilical cord blood plasma alleviates age-related olfactory dysfunction by attenuating peripheral TNF- α expression. <i>BMB Reports</i> , 2019, 52, 259-264.	2.4	5
25	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