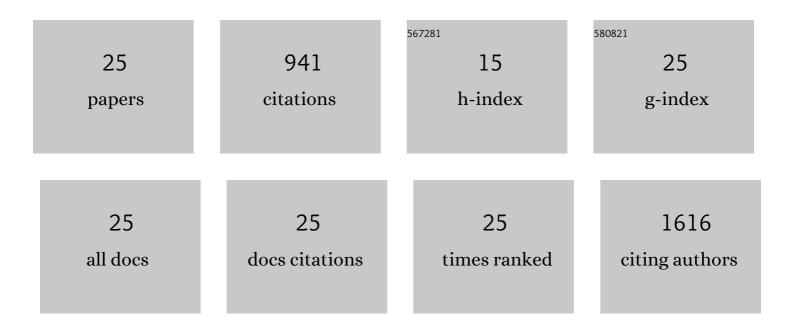
Byung-Chul Lee

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Human Umbilical Cord Blood Mesenchymal Stem Cells Reduce Colitis in Mice by Activating NOD2 Signaling to COX2. Gastroenterology, 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. Cell Death and Disease, 2016, 7, e2524-e2524.	6.3	131
3	Graphene quantum dots as anti-inflammatory therapy for colitis. Science Advances, 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. Scientific Reports, 2016, 6, 26298.	3.3	69
5	Human adipose tissue-derived mesenchymal stem cells alleviate atopic dermatitis via regulation of B lymphocyte maturation. Oncotarget, 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. PLoS ONE, 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. Experimental and Molecular Medicine, 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. Glia, 2016, 64, 2291-2305.	4.9	36
9	DNA methyltransferase inhibition accelerates the immunomodulation and migration of human mesenchymal stem cells. Scientific Reports, 2015, 5, 8020.	3.3	31
10	Disease-specific primed human adult stem cells effectively ameliorate experimental atopic dermatitis in mice. Theranostics, 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. Experimental and Molecular Medicine, 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. Aging, 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. Cell Transplantation, 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. Oncotarget, 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. Scientific Reports, 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. Frontiers in Immunology, 2018, 9, 1078.	4.8	18
17	Graphene Quantum Dots Alleviate Impaired Functions in Niemann-Pick Disease Type C in Vivo. Nano Letters, 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. Experimental and Molecular Medicine, 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. Molecular Therapy, 2020, 28, 466-478.	8.2	13
20	Direct Conversion of Human Umbilical Cord Blood into Induced Neural Stem Cells with SOX2 and HMGA2. International Journal of Stem Cells, 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. BMB Reports, 2020, 53, 329-334.	2.4	13
22	Interferon-Î ³ -mediated secretion of tryptophanyl-tRNA synthetases has a role in protection of human umbilical cord blood-derived mesenchymal stem cells against experimental colitis. BMB Reports, 2019, 52, 318-323.	2.4	11
23	Oral administration of microbiome-friendly graphene quantum dots as therapy for colitis. 2D Materials, 2021, 8, 025036.	4.4	7
24	Human umbilical cord blood plasma alleviates age-related olfactory dysfunction by attenuating peripheral TNF-α expression. BMB Reports, 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. Oncotarget, 2016, 7, 2684-2695.	1.8	2