

Soon Won Choi

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

1,795
citations

331670

21
h-index

289244

40
g-index

52
all docs

52
docs citations

52
times ranked

2907
citing authors

#	ARTICLE	IF	CITATIONS
1	Vascularization of iNSC spheroid in a 3D spheroid-on-a-chip platform enhances neural maturation. <i>Biotechnology and Bioengineering</i> , 2022, 119, 566-574.	3.3	20
2	Accumulation of APP-CTF induces mitophagy dysfunction in the iNSCs model of Alzheimer's disease. <i>Cell Death Discovery</i> , 2022, 8, 1.	4.7	36
3	Generation of Cortical Brain Organoid with Vascularization by Assembling with Vascular Spheroid. <i>International Journal of Stem Cells</i> , 2022, 15, 85-94.	1.8	20
4	Zika virus infection accelerates Alzheimer's disease phenotypes in brain organoids. <i>Cell Death Discovery</i> , 2022, 8, 153.	4.7	22
5	Development of highly functional bioengineered human liver with perfusable vasculature. <i>Biomaterials</i> , 2021, 265, 120417.	11.4	24
6	Oral administration of microbiome-friendly graphene quantum dots as therapy for colitis. <i>2D Materials</i> , 2021, 8, 025036.	4.4	7
7	Establishing a 3D In Vitro Hepatic Model Mimicking Physiologically Relevant to In Vivo State. <i>Cells</i> , 2021, 10, 1268.	4.1	23
8	Pimecrolimus interferes the therapeutic efficacy of human mesenchymal stem cells in atopic dermatitis by regulating NFAT-COX2 signaling. <i>Stem Cell Research and Therapy</i> , 2021, 12, 482.	5.5	4
9	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
10	Modeling of Hypoxic Brain Injury through 3D Human Neural Organoids. <i>Cells</i> , 2021, 10, 234.	4.1	19
11	cAMP/EPAC Signaling Enables ETV2 to Induce Endothelial Cells with High Angiogenesis Potential. <i>Molecular Therapy</i> , 2020, 28, 466-478.	8.2	13
12	Human iNSC-derived brain organoid model of lysosomal storage disorder in Niemann-Pick disease type C. <i>Cell Death and Disease</i> , 2020, 11, 1059.	6.3	19
13	Graphene quantum dots as anti-inflammatory therapy for colitis. <i>Science Advances</i> , 2020, 6, eaaz2630.	10.3	88
14	Repeated intramuscular transplantations of hUCB-MSCs improves motor function and survival in the SOD1 G93A mice through activation of AMPK. <i>Scientific Reports</i> , 2020, 10, 1572.	3.3	16
15	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
16	Disease-specific primed human adult stem cells effectively ameliorate experimental atopic dermatitis in mice. <i>Theranostics</i> , 2019, 9, 3608-3621.	10.0	26
17	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
18	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

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19	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
20	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
21	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
22	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
23	Cell Surface Nano-modulation for Non-invasive <i>in vivo</i> Near-IR Stem Cell Monitoring. <i>ChemMedChem</i> , 2017, 12, 28-32.	3.2	2
24	Protein profiling and angiogenic effect of hypoxia-cultured human umbilical cord blood-derived mesenchymal stem cells in hindlimb ischemia. <i>Tissue and Cell</i> , 2017, 49, 680-690.	2.2	12
25	miRNAs in stem cell aging and age-related disease. <i>Mechanisms of Ageing and Development</i> , 2017, 168, 20-29.	4.6	32
26	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
27	KCHO-1, a novel herbal anti-inflammatory compound, attenuates oxidative stress in an animal model of amyotrophic lateral sclerosis. <i>Journal of Veterinary Science</i> , 2017, 18, 487.	1.3	9
28	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
29	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
30	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
31	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
32	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
33	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
34	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
35	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
36	STB-HO, a novel mica fine particle, inhibits the teratoma-forming ability of human embryonic stem cells after <i>in vivo</i> transplantation. <i>Oncotarget</i> , 2016, 7, 2684-2695.	1.8	2

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37	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
38	Human Umbilical Cord Blood Mesenchymal Stem Cell-Derived PGE2 and TGF- β 1 Alleviate Atopic Dermatitis by Reducing Mast Cell Degranulation. <i>Stem Cells</i> , 2015, 33, 1254-1266.	3.2	139
39	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
40	miR-410 Inhibition Induces RPE Differentiation of Amniotic Epithelial Stem Cells via Overexpression of OTX2 and RPE65. <i>Stem Cell Reviews and Reports</i> , 2015, 11, 376-386.	5.6	20
41	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
42	Donepezil Enhances Purkinje Cell Survival and Alleviates Motor Dysfunction by Inhibiting Cholesterol Synthesis in a Murine Model of Niemann Pick Disease Type C. <i>Journal of Neuro pathology and Experimental Neurology</i> , 2014, 73, 234-243.	1.7	11
43	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
44	Isolation and Characterization of Antler-Derived Multipotent Stem Cells. <i>Cell Transplantation</i> , 2014, 23, 831-843.	2.5	19
45	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
46	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
47	The effects of hedgehog on RNA binding protein Msi1 during the osteogenic differentiation of human cord blood-derived mesenchymal stem cells. <i>Bone</i> , 2013, 56, 416-425.	2.9	15
48	Phenotype and Stability of Neural Differentiation of Androgenetic Murine ES Cell-Derived Neural Progenitor Cells. <i>Cell Medicine</i> , 2013, 5, 29-42.	5.0	8
49	CD49f Enhances Multipotency and Maintains Stemness Through the Direct Regulation of OCT4 and SOX2. <i>Stem Cells</i> , 2012, 30, 876-887.	3.2	129
50	Two paternal genomes are compatible with dopaminergic in vitro and in vivo differentiation. <i>International Journal of Developmental Biology</i> , 2010, 54, 1755-1762.	0.6	4
51	Androgenetic Embryonic Stem Cells Form Neural Progenitor Cells In Vivo and In Vitro. <i>Stem Cells</i> , 2008, 26, 1474-1483.	3.2	19
52	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