

Kyung-Sun Kang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

104 papers	2,521 citations	27 h-index	46 g-index
106 ext. papers	3,159 ext. citations	5.4 avg, IF	5.13 L-index

#	Paper	IF	Citations
104	Accumulation of APP-CTF induces mitophagy dysfunction in the iNSCs model of Alzheimer's disease.. <i>Cell Death Discovery</i> , 2022 , 8, 1	6.9	5
103	Generation of Cortical Brain Organoid with Vascularization by Assembling with Vascular Spheroid.. <i>International Journal of Stem Cells</i> , 2022 , 15, 85-94	3	2
102	Upregulation of SNAP25 by HDAC inhibition ameliorates Niemann-Pick Type C disease phenotypes via autophagy induction.. <i>Clinical and Translational Medicine</i> , 2022 , 12, e776	5.7	
101	Zika virus infection accelerates Alzheimer's disease phenotypes in brain organoids.. <i>Cell Death Discovery</i> , 2022 , 8, 153	6.9	0
100	Improved hepatoblast differentiation of human pluripotent stem cells by coffee bean derived graphene quantum dots. <i>2D Materials</i> , 2022 , 9, 035012	5.9	0
99	Vascularization of iNSC spheroid in a 3D spheroid-on-a-chip platform enhances neural maturation. <i>Biotechnology and Bioengineering</i> , 2021 ,	4.9	1
98	Establishing a 3D In Vitro Hepatic Model Mimicking Physiologically Relevant to In Vivo State. <i>Cells</i> , 2021 , 10,	7.9	7
97	Graphene Quantum Dots from Carbonized Coffee Bean Wastes for Biomedical Applications. <i>Nanomaterials</i> , 2021 , 11,	5.4	7
96	Development of highly functional bioengineered human liver with perfusable vasculature. <i>Biomaterials</i> , 2021 , 265, 120417	15.6	12
95	Modeling 3D Human Tumor Lymphatic Vessel Network Using High-Throughput Platform. <i>Advanced Biology</i> , 2021 , 5, 2000195		5
94	Oral administration of microbiome-friendly graphene quantum dots as therapy for colitis. <i>2D Materials</i> , 2021 , 8, 025036	5.9	3
93	Application of nano-graphene oxide as nontoxic disinfectant against alpha and betacoronaviruses. <i>Veterinary Medicine and Science</i> , 2021 , 7, 2434-2439	2.1	2
92	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	8.3	1
91	Induced neural stem cells from human patient-derived fibroblasts attenuate neurodegeneration in Niemann-Pick type C mice. <i>Journal of Veterinary Science</i> , 2021 , 22, e7	1.6	1
90	Graphene Quantum Dots Alleviate Impaired Functions in Niemann-Pick Disease Type C in Vivo. <i>Nano Letters</i> , 2021 , 21, 2339-2346	11.5	4
89	Modeling of Hypoxic Brain Injury through 3D Human Neural Organoids. <i>Cells</i> , 2021 , 10,	7.9	7
88	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	9.8	11

87	Effects of conditioned media from human umbilical cord blood-derived mesenchymal stem cells in the skin immune response. <i>Biomedicine and Pharmacotherapy</i> , 2020 , 131, 110789	7.5	5
86	Graphene quantum dots as anti-inflammatory therapy for colitis. <i>Science Advances</i> , 2020 , 6, eaaz2630	14.3	42
85	Transplantation of hMSCs Genome Edited with LEF1 Improves Cardio-Protective Effects in Myocardial Infarction. <i>Molecular Therapy - Nucleic Acids</i> , 2020 , 19, 1186-1197	10.7	13
84	TGF- β Secreted by human umbilical cord blood-derived mesenchymal stem cells ameliorates atopic dermatitis by inhibiting secretion of TNF- β and IgE. <i>Stem Cells</i> , 2020 , 38, 904-916	5.8	15
83	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	5.5	7
82	Repeated intramuscular transplantations of hUCB-MSCs improves motor function and survival in the SOD1 GA mice through activation of AMPK. <i>Scientific Reports</i> , 2020 , 10, 1572	4.9	4
81	cAMP/EPAC Signaling Enables ETV2 to Induce Endothelial Cells with High Angiogenesis Potential. <i>Molecular Therapy</i> , 2020 , 28, 466-478	11.7	6
80	Human Leukocyte Antigen Class I Pseudo-Homozygous Mesenchymal Stem Cells Derived from Human Induced Pluripotent Stem Cells. <i>Stem Cell Reviews and Reports</i> , 2020 , 16, 792-808	7.3	5
79	Functional enhancement strategies for immunomodulation of mesenchymal stem cells and their therapeutic application. <i>Stem Cell Research and Therapy</i> , 2020 , 11, 397	8.3	20
78	Disease-specific primed human adult stem cells effectively ameliorate experimental atopic dermatitis in mice. <i>Theranostics</i> , 2019 , 9, 3608-3621	12.1	15
77	Characterization of silver nanoparticle-modified decellularized rat esophagus for esophageal tissue engineering: Structural properties and biocompatibility. <i>Journal of Bioscience and Bioengineering</i> , 2019 , 128, 613-621	3.3	10
76	Micro and ultrastructural changes monitoring during decellularization for the generation of a biocompatible liver. <i>Journal of Bioscience and Bioengineering</i> , 2019 , 128, 218-225	3.3	16
75	Therapeutic effect of long-interval repeated intravenous administration of human umbilical cord blood-derived mesenchymal stem cells in DBA/1 mice with collagen-induced arthritis. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019 , 13, 1134-1142	4.4	12
74	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	5.5	8
73	Preconditioning with interleukin-1 beta and interferon-gamma enhances the efficacy of human umbilical cord blood-derived mesenchymal stem cells-based therapy via enhancing prostaglandin E2 secretion and indoleamine 2,3-dioxygenase activity in dextran sulfate sodium-induced colitis. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019 , 13, 1792-1804	4.4	15
72	Human umbilical cord blood plasma alleviates age-related olfactory dysfunction by attenuating peripheral TNF- β expression. <i>BMB Reports</i> , 2019 , 52, 259-264	5.5	3
71	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	12.8	36
70	Biocompatibility and hemocompatibility of efficiently decellularized whole porcine kidney for tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2018 , 106, 2034-2047	5.4	28

69	Silver nanoparticles improve structural stability and biocompatibility of decellularized porcine liver. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018 , 46, 273-284	6.1	19
68	Influence of hypoxia on the stemness of umbilical cord matrix-derived mesenchymal stem cells cultured on chitosan films. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018 , 106, 501-511	3.5	8
67	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	8.4	12
66	Enhanced therapeutic effects of human mesenchymal stem cells transduced with superoxide dismutase 3 in a murine atopic dermatitis-like skin inflammation model. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2018 , 73, 2364-2376	9.3	22
65	Single-Factor SOX2 Mediates Direct Neural Reprogramming of Human Mesenchymal Stem Cells via Transfection of In Vitro Transcribed mRNA. <i>Cell Transplantation</i> , 2018 , 27, 1154-1167	4	17
64	Necroptosis Is a Mechanism of Death in Mouse Induced Hepatocyte-Like Cells Reprogrammed from Mouse Embryonic Fibroblasts. <i>Molecules and Cells</i> , 2018 , 41, 639-645	3.5	2
63	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	12.8	7
62	Conditioned media from human umbilical cord blood-derived mesenchymal stem cells stimulate rejuvenation function in human skin. <i>Biochemistry and Biophysics Reports</i> , 2018 , 16, 96-102	2.2	22
61	Generation of Human Neural Stem Cells by Direct Phenotypic Conversion. <i>Results and Problems in Cell Differentiation</i> , 2018 , 66, 103-121	1.4	3
60	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	12.8	18
59	Incorporation of nanoparticles into transplantable decellularized matrices: Applications and challenges. <i>International Journal of Artificial Organs</i> , 2018 , 41, 421-430	1.9	7
58	Homing of the Stem Cells from the Acupoint ST-36 to the Site of a Spinal Cord Injury: A Preliminary Study. <i>JAMS Journal of Acupuncture and Meridian Studies</i> , 2018 , 11, 133-136	1.2	3
57	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	5.8	61
56	Effects of Human Mesenchymal Stem Cells Coculture on Calcium-Induced Differentiation of Normal Human Keratinocytes. <i>Stem Cells</i> , 2017 , 35, 1592-1602	5.8	6
55	Cell Surface Nano-modulation for Non-invasive in vivo Near-IR Stem Cell Monitoring. <i>ChemMedChem</i> , 2017 , 12, 28-32	3.7	1
54	Exposure to cigarette smoke disturbs adipokines secretion causing intercellular damage and insulin resistance in high fructose diet-induced metabolic disorder mice. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 494, 648-655	3.4	5
53	Dihydroceramide is a key metabolite that regulates autophagy and promotes fibrosis in hepatic steatosis model. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 494, 460-469	3.4	25
52	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	2.7	10

51	Human adipose tissue-derived mesenchymal stem cells alleviate atopic dermatitis via regulation of B lymphocyte maturation. <i>Oncotarget</i> , 2017 , 8, 512-522	3.3	35
50	miRNAs in stem cell aging and age-related disease. <i>Mechanisms of Ageing and Development</i> , 2017 , 168, 20-29	5.6	24
49	Exosomes derived from human umbilical cord blood mesenchymal stem cells stimulates rejuvenation of human skin. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 493, 1102-1108	3.4	72
48	Reprogramming Enhancers in Somatic Cell Nuclear Transfer, iPSC Technology, and Direct Conversion. <i>Stem Cell Reviews and Reports</i> , 2017 , 13, 24-34	6.4	12
47	Human umbilical cord blood-derived mesenchymal stem cells ameliorate psoriasis-like skin inflammation in mice. <i>Biochemistry and Biophysics Reports</i> , 2017 , 9, 281-288	2.2	21
46	Ephedrine-induced mitophagy via oxidative stress in human hepatic stellate cells. <i>Journal of Toxicological Sciences</i> , 2017 , 42, 461-473	1.9	14
45	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, 59-65	1.6	12
44	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, 487-497	1.6	8
43	Mesenchymal Stem Cell Therapy for Inflammatory Skin Diseases: Clinical Potential and Mode of Action. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	44
42	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	3	10
41	Generation of patient specific human neural stem cells from Niemann-Pick disease type C patient-derived fibroblasts. <i>Oncotarget</i> , 2017 , 8, 85428-85441	3.3	19
40	Mesenchymal Stem Cells Contribute to Improvement of Renal Function in a Canine Kidney Injury Model. <i>In Vivo</i> , 2017 , 31, 1115-1124	2.3	15
39	New insights into the pros and cons of cross-linking decellularized bioartificial organs. <i>International Journal of Artificial Organs</i> , 2017 , 40, 136-141	1.9	10
38	New insights into the pros and cons of cross-linking decellularized bioartificial organs. <i>International Journal of Artificial Organs</i> , 2017 , 40, 136-141	1.9	2
37	Early Results of Clinical Application of Autologous Whole Bone Marrow Stem Cell Transplantation for Critical Limb Ischemia with Buerger's Disease. <i>Scientific Reports</i> , 2016 , 6, 19690	4.9	11
36	Effects of Human Mesenchymal Stem Cells Transduced with Superoxide Dismutase on Imiquimod-Induced Psoriasis-Like Skin Inflammation in Mice. <i>Antioxidants and Redox Signaling</i> , 2016 , 24, 233-48	8.4	39
35	BM11 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, 1670-89	5.6	20
34	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, 2684-95	3.3	2

33	Direct cell fate conversion of human somatic stem cells into cone and rod photoreceptor-like cells by inhibition of microRNA-203. <i>Oncotarget</i> , 2016 , 7, 42139-42149	3.3	10
32	Immunologic properties of differentiated and undifferentiated mesenchymal stem cells derived from umbilical cord blood. <i>Journal of Veterinary Science</i> , 2016 , 17, 289-97	1.6	11
31	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	9.8	100
30	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	4.9	44
29	Biocompatibility evaluation of tissue-engineered decellularized scaffolds for biomedical application. <i>Materials Science and Engineering C</i> , 2016 , 67, 766-778	8.3	102
28	Heparin-gelatin mixture improves vascular reconstruction efficiency and hepatic function in bioengineered livers. <i>Acta Biomaterialia</i> , 2016 , 38, 82-93	10.8	60
27	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	9	20
26	Inducible HGF-secreting Human Umbilical Cord Blood-derived MSCs Produced via TALEN-mediated Genome Editing Promoted Angiogenesis. <i>Molecular Therapy</i> , 2016 , 24, 1644-54	11.7	37
25	Rapid and Efficient Direct Conversion of Human Adult Somatic Cells into Neural Stem Cells by HMGA2/let-7b. <i>Cell Reports</i> , 2015 , 10, 441-452	10.6	90
24	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	4.9	11
23	DNA methyltransferase inhibition accelerates the immunomodulation and migration of human mesenchymal stem cells. <i>Scientific Reports</i> , 2015 , 5, 8020	4.9	25
22	Preserved Hippocampal Glucose Metabolism on 18F-FDG PET after Transplantation of Human Umbilical Cord Blood-derived Mesenchymal Stem Cells in Chronic Epileptic Rats. <i>Journal of Korean Medical Science</i> , 2015 , 30, 1232-40	4.7	3
21	Reactive Oxygen Species in Mesenchymal Stem Cell Aging: Implication to Lung Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2015 , 2015, 486263	6.7	46
20	Human umbilical cord blood mesenchymal stem cell-derived PGE2 and TGF- β alleviate atopic dermatitis by reducing mast cell degranulation. <i>Stem Cells</i> , 2015 , 33, 1254-66	5.8	106
19	Growth arrest and forced differentiation of human primary glioblastoma multiforme by a novel small molecule. <i>Scientific Reports</i> , 2014 , 4, 5546	4.9	26
18	Mesenchymal stem cells and cancer: friends or enemies?. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2014 , 768, 98-106	3.3	56
17	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, 2193-203	6.9	18
16	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	3.7	43

15	Umbilical-cord-blood-derived mesenchymal stem cells seeded onto fibronectin-immobilized polycaprolactone nanofiber improve cardiac function. <i>Acta Biomaterialia</i> , 2014 , 10, 3007-17	10.8	61
14	Human umbilical cord blood mesenchymal stem cells reduce colitis in mice by activating NOD2 signaling to COX2. <i>Gastroenterology</i> , 2013 , 145, 1392-403.e1-8	13.3	131
13	Transgenerational effects of paternal alcohol exposure in mouse offspring. <i>Animal Cells and Systems</i> , 2013 , 17, 429-434	2.3	13
12	Stem cells in toxicology: fundamental biology and practical considerations. <i>Toxicological Sciences</i> , 2011 , 120 Suppl 1, S269-89	4.4	71
11	Human umbilical cord blood-derived mesenchymal stem cells protect against neuronal cell death and ameliorate motor deficits in Niemann Pick type C1 mice. <i>Cell Transplantation</i> , 2011 , 20, 1033-47	4	48
10	The secret lives of stem cells: unraveling the molecular basis of stem cell aging. <i>Cell Cycle</i> , 2011 , 10, 4188-97	4.7	
9	Functional recovery and neural differentiation after transplantation of allogenic adipose-derived stem cells in a canine model of acute spinal cord injury. <i>Journal of Veterinary Science</i> , 2009 , 10, 273-84	1.6	121
8	In Vitro Differentiation and Expansion of Intrathymic T Cell Progenitors from Human Umbilical Cord Blood-Derived CD34(+) Cells. <i>International Journal of Stem Cells</i> , 2009 , 2, 45-50	3	
7	Implantation of canine umbilical cord blood-derived mesenchymal stem cells mixed with beta-tricalcium phosphate enhances osteogenesis in bone defect model dogs. <i>Journal of Veterinary Science</i> , 2008 , 9, 387-93	1.6	48
6	Angiogenesis induced by autologous whole bone marrow stem cells transplantation. <i>International Journal of Stem Cells</i> , 2008 , 1, 64-9	3	7
5	Human Hair Follicle Cells with the Cell Surface Marker CD34 Can Regenerate New Mouse Hair Follicles and Located in the Outer Root Sheath of Immunodeficient Nude Mice. <i>International Journal of Stem Cells</i> , 2008 , 1, 70-81	3	6
4	Impairment of male rat reproductive function in F1 offspring from dams exposed to 2-bromopropane during gestation and lactation. <i>Reproductive Toxicology</i> , 2002 , 16, 151-9	3.4	11
3	DI-(2-ethylhexyl) phthalate-induced cell proliferation is involved in the inhibition of gap junctional intercellular communication and blockage of apoptosis in mouse Sertoli cells. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2002 , 65, 447-59	3.2	44
2	Decreased sperm number and motile activity on the F1 offspring maternally exposed to butyl p-hydroxybenzoic acid (butyl paraben). <i>Journal of Veterinary Medical Science</i> , 2002 , 64, 227-35	1.1	124
1	Additive estrogenic activities of the binary mixtures of four estrogenic chemicals in recombinant yeast expressing human estrogen receptor. <i>Journal of Veterinary Science</i> , 2002 , 3, 1-5	1.6	4