Jae Ho Kim

List of Publications by Year in Descending Order

111 papers	3,061 citations	32 h-index	51 g-index
121 ext. papers	3,563 ext. citations	6 avg, IF	4.97 L-index

#	Paper	IF	Citations
111	Formyl peptide receptor 2 determines sex-specific differences in the progression of nonalcoholic fatty liver disease and steatohepatitis.. *Nature Communications*, **2022**, 13, 578	17.4	0
110	Phenotypic change of mesenchymal stem cells into smooth muscle cells regulated by dynamic cell-surface interactions on patterned arrays of ultrathin graphene oxide substrates.. *Journal of Nanobiotechnology*, **2022**, 20, 17	9.4	1
109	Inhibition of MEK-ERK pathway enhances oncolytic vaccinia virus replication in doxorubicin-resistant ovarian cancer.. *Molecular Therapy - Oncolytics*, **2022**, 25, 211-224	6.4	0
108	Application of periostin peptide-decorated self-assembled protein cage nanoparticles for therapeutic angiogenesis. *BMB Reports*, **2022**, 55, 175-180	5.5	0
107	Yolk-Shell-Type Gold Nanoaggregates for Chemo- and Photothermal Combination Therapy for Drug-Resistant Cancers. *ACS Applied Materials & Interfaces*, **2021**, 13, 53519-53529	9.5	0
106	Pathophysiological role of 27-hydroxycholesterol in human diseases. *Advances in Biological Regulation*, **2021**, 83, 100837	6.2	0
105	Drug evaluation based on phosphomimetic PDHA1 reveals the complexity of activity-related cell death in A549 non-small cell lung cancer cells. *BMB Reports*, **2021**, 54, 563-568	5.5	2
104	Therapeutic Strategies for Targeting Ovarian Cancer Stem Cells. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	6
103	Coadministration of endothelial and smooth muscle cells derived from human induced pluripotent stem cells as a therapy for critical limb ischemia. *Stem Cells Translational Medicine*, **2021**, 10, 414-426	6.9	5
102	Kap1 regulates the self-renewal of embryonic stem cells and cellular reprogramming by modulating Oct4 protein stability. *Cell Death and Differentiation*, **2021**, 28, 685-699	12.7	2
101	Sodium/glucose Co-Transporter 2 Inhibitor, Empagliflozin, Alleviated Transient Expression of SGLT2 after Myocardial Infarction. *Korean Circulation Journal*, **2021**, 51, 251-262	2.2	4
100	Regulation of the protein stability and transcriptional activity of OCT4 in stem cells. *Advances in Biological Regulation*, **2021**, 79, 100777	6.2	2
99	Formyl Peptide Receptor 2 Alleviates Hepatic Fibrosis in Liver Cirrhosis by Vascular Remodeling. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	2
98	TRIB2 Stimulates Cancer Stem-Like Properties through Activating the AKT-GSK3□□Catenin Signaling Axis. *Molecules and Cells*, **2021**, 44, 481-492	3.5	0
97	Selective elimination of human pluripotent stem cells by Anti-Dsg2 antibody-doxorubicin conjugates. *Biomaterials*, **2020**, 259, 120265	15.6	3
96	Poziotinib suppresses ovarian cancer stem cell growth via inhibition of HER4-mediated STAT5 pathway. *Biochemical and Biophysical Research Communications*, **2020**, 526, 158-164	3.4	6
95	Poly(-isopropylacrylamide)--Poly(L-lysine)--Poly(L-histidine) Triblock Amphiphilic Copolymer Nanomicelles for Dual-Responsive Anticancer Drug Delivery. *Journal of Nanoscience and Nanotechnology*, **2020**, 20, 6959-6967	1.3	1

94	The Role of Lysophosphatidic Acid in Adult Stem Cells. *International Journal of Stem Cells*, **2020**, 13, 182-191	3	1
93	CD166 promotes the cancer stem-like properties of primary epithelial ovarian cancer cells. *BMB Reports*, **2020**, 53, 622-627	5.5	8
92	Mesenchymal Stem Cell-Mediated Therapy of Peripheral Artery Disease Is Stimulated by a Lamin A-Progerin Binding Inhibitor. *Journal of Lipid and Atherosclerosis*, **2020**, 9, 460-473	3	0
91	Ischemia-induced Netrin-4 promotes neovascularization through endothelial progenitor cell activation via Unc-5 Netrin receptor B. *FASEB Journal*, **2020**, 34, 1231-1246	0.9	4
90	WKYMVm ameliorates acute lung injury via neutrophil antimicrobial peptide derived STAT1/IRF1 pathway. *Biochemical and Biophysical Research Communications*, **2020**, 533, 313-318	3.4	2
89	Calcium Channels as Novel Therapeutic Targets for Ovarian Cancer Stem Cells. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	15
88	Role of stem cell mobilization in the treatment of ischemic diseases. *Archives of Pharmacal Research* , **2019**, 42, 224-231	6.1	4
87	WKYMVm hexapeptide, a strong formyl peptide receptor 2 agonist, attenuates hyperoxia-induced lung injuries in newborn mice. *Scientific Reports*, **2019**, 9, 6815	4.9	11
86	Role of CXCR2 in the Ac-PGP-Induced Mobilization of Circulating Angiogenic Cells and its Therapeutic Implications. *Stem Cells Translational Medicine*, **2019**, 8, 236-246	6.9	5
85	3D cell printing of in□vitro stabilized skin model and in□vivo pre-vascularized skin patch using tissue-specific extracellular matrix□bioink: A step towards advanced skin tissue engineering. *Biomaterials*, **2018**, 168, 38-53	15.6	195
84	Quantification and application of a liquid chromatography-tandem mass spectrometric method for the determination of WKYMVm peptide in rat using solid-phase extraction. *Biomedical Chromatography*, **2018**, 32, e4107	1.7	3
83	Role of autotaxin in cancer stem cells. *Cancer and Metastasis Reviews*, **2018**, 37, 509-518	9.6	18
82	Role of Notch1 in the arterial specification and angiogenic potential of mouse embryonic stem cell-derived endothelial cells. *Stem Cell Research and Therapy*, **2018**, 9, 197	8.3	15
81	TRRAP stimulates the tumorigenic potential of ovarian cancer stem cells. *BMB Reports*, **2018**, 51, 514-519	3.5	8
80	Cancer stem cell metabolism: target for cancer therapy. *BMB Reports*, **2018**, 51, 319-326	5.5	68
79	Recent advances in stem cell therapeutics and tissue engineering strategies. *Biomaterials Research*, **2018**, 22, 36	16.8	75
78	Upregulation of P21-Activated Kinase 1 (PAK1)/CREB Axis in Squamous Non-Small Cell Lung Carcinoma. *Cellular Physiology and Biochemistry*, **2018**, 50, 304-316	3.9	4
77	Atrial natriuretic peptide accelerates human endothelial progenitor cell-stimulated cutaneous wound healing and angiogenesis. *Wound Repair and Regeneration*, **2018**, 26, 116-126	3.6	4

76	SURF4 has oncogenic potential in NIH3T3 cells. *Biochemical and Biophysical Research Communications*, **2018**, 502, 43-47	3.4	3
75	N-Acetylated Proline-Glycine-Proline Accelerates Cutaneous Wound Healing and Neovascularization by Human Endothelial Progenitor Cells. *Scientific Reports*, **2017**, 7, 43057	4.9	21
74	Effects of mechanical stimulation on the reprogramming of somatic cells into human-induced pluripotent stem cells. *Stem Cell Research and Therapy*, **2017**, 8, 139	8.3	11
73	Functional expression and pharmaceutical efficacy of cardiac-specific ion channels in human embryonic stem cell-derived cardiomyocytes. *Scientific Reports*, **2017**, 7, 13821	4.9	1
72	Role of Krüppel-Like Factor 4 in the Maintenance of Chemoresistance of Anaplastic Thyroid Cancer. *Thyroid*, **2017**, 27, 1424-1432	6.2	15
71	Identification of a novel angiogenic peptide from periostin. *PLoS ONE*, **2017**, 12, e0187464	3.7	8
70	Trib2 regulates the pluripotency of embryonic stem cells and enhances reprogramming efficiency. *Experimental and Molecular Medicine*, **2017**, 49, e401	12.8	14
69	Formyl Peptide Receptor 2 Is Involved in Cardiac Repair After Myocardial Infarction Through Mobilization of Circulating Angiogenic Cells. *Stem Cells*, **2017**, 35, 654-665	5.8	23
68	The anti-microbial peptide SR-0379 stimulates human endothelial progenitor cell-mediated repair of peripheral artery diseases. *BMB Reports*, **2017**, 50, 504-509	5.5	2
67	Crucial role of HMGA1 in the self-renewal and drug resistance of ovarian cancer stem cells. *Experimental and Molecular Medicine*, **2016**, 48, e255	12.8	38
66	Phospholipid End-Capped Bioreducible Polyurea Micelles as a Potential Platform for Intracellular Drug Delivery of Doxorubicin in Tumor Cells. *ACS Biomaterials Science and Engineering*, **2016**, 2, 1883-1893	5.5	7
65	Synthesis and Characterization of Water-Soluble Conjugated Oligoelectrolytes for Near-Infrared Fluorescence Biological Imaging. *ACS Applied Materials & Interfaces*, **2016**, 8, 15937-47	9.5	23
64	Hypoxia-NOTCH1-SOX2 signaling is important for maintaining cancer stem cells in ovarian cancer. *Oncotarget*, **2016**, 7, 55624-55638	3.3	63
63	High Glucose Causes Human Cardiac Progenitor Cell Dysfunction by Promoting Mitochondrial Fission: Role of a GLUT1 Blocker. *Biomolecules and Therapeutics*, **2016**, 24, 363-70	4.2	7
62	Lnk is an important modulator of insulin-like growth factor-1/Akt/peroxisome proliferator-activated receptor-gamma axis during adipogenesis of mesenchymal stem cells. *Korean Journal of Physiology and Pharmacology*, **2016**, 20, 459-66	1.8	6
61	Doxorubicin Regulates Autophagy Signals via Accumulation of Cytosolic Ca in Human Cardiac Progenitor Cells. *International Journal of Molecular Sciences*, **2016**, 17,	6.3	21
60	FOXP1 functions as an oncogene in promoting cancer stem cell-like characteristics in ovarian cancer cells. *Oncotarget*, **2016**, 7, 3506-19	3.3	49
59	Autotaxin Regulates Maintenance of Ovarian Cancer Stem Cells through Lysophosphatidic Acid-Mediated Autocrine Mechanism. *Stem Cells*, **2016**, 34, 551-64	5.8	71

58	Novel highly specific anti-periostin antibodies uncover the functional importance of the fascilin 1-1 domain and highlight preferential expression of periostin in aggressive breast cancer. *International Journal of Cancer*, **2016**, 138, 1959-70	7.5	19
57	Biomedical therapy using synthetic WKYMVm hexapeptide. *Organogenesis*, **2016**, 12, 53-60	1.7	7
56	Injectable PLGA microspheres encapsulating WKYMVM peptide for neovascularization. *Acta Biomaterialia*, **2015**, 25, 76-85	10.8	16
55	Notch1 acts via Foxc2 to promote definitive hematopoiesis via effects on hemogenic endothelium. *Blood*, **2015**, 125, 1418-26	2.2	32
54	Role of formyl peptide receptor 2 in homing of endothelial progenitor cells and therapeutic angiogenesis. *Advances in Biological Regulation*, **2015**, 57, 162-72	6.2	9
53	Stimulation of cutaneous wound healing by an FPR2-specific peptide agonist WKYMVm. *Wound Repair and Regeneration*, **2015**, 23, 575-82	3.6	11
52	Periostin accelerates bone healing mediated by human mesenchymal stem cell-embedded hydroxyapatite/tricalcium phosphate scaffold. *PLoS ONE*, **2015**, 10, e0116698	3.7	28
51	Isolation of Foreign Material-Free Endothelial Progenitor Cells Using CD31 Aptamer and Therapeutic Application for Ischemic Injury. *PLoS ONE*, **2015**, 10, e0131785	3.7	18
50	Therapeutic angiogenesis in a murine model of limb ischemia by recombinant periostin and its fasciclin I domain. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2014**, 1842, 1324-32	6.9	18
49	WKYMVm-induced activation of formyl peptide receptor 2 stimulates ischemic neovasculogenesis by promoting homing of endothelial colony-forming cells. *Stem Cells*, **2014**, 32, 779-90	5.8	58
48	Reptin regulates pluripotency of embryonic stem cells and somatic cell reprogramming through Oct4-dependent mechanism. *Stem Cells*, **2014**, 32, 3126-36	5.8	9
47	Structural characterization and interaction of periostin and bone morphogenetic protein for regulation of collagen cross-linking. *Biochemical and Biophysical Research Communications*, **2014**, 449, 425-31	3.4	24
46	Krüppel-like factor 4 mediates lysophosphatidic acid-stimulated migration and proliferation of PC3M prostate cancer cells. *Experimental and Molecular Medicine*, **2014**, 46, e104	12.8	18
45	Oncostatin M promotes mesenchymal stem cell-stimulated tumor growth through a paracrine mechanism involving periostin and TGFBI. *International Journal of Biochemistry and Cell Biology*, **2013**, 45, 1869-77	5.6	31
44	Tumor necrosis factor-α-activated mesenchymal stem cells promote endothelial progenitor cell homing and angiogenesis. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2013**, 1832, 2136-44	6.9	84
43	Functional expression of smooth muscle-specific ion channels in TGF-β(1)-treated human adipose-derived mesenchymal stem cells. *American Journal of Physiology - Cell Physiology*, **2013**, 305, C377-91	5.4	31
42	Efficient production of retroviruses using PLGA/bPEI-DNA nanoparticles and application for reprogramming somatic cells. *PLoS ONE*, **2013**, 8, e76875	3.7	9
41	Human mesenchymal stem cell differentiation to the osteogenic or adipogenic lineage is regulated by AMP-activated protein kinase. *Journal of Cellular Physiology*, **2012**, 227, 1680-7	7	77

40	Lysophosphatidic acid-induced ADAM12 expression mediates human adipose tissue-derived mesenchymal stem cell-stimulated tumor growth. *International Journal of Biochemistry and Cell Biology*, **2012**, 44, 2069-76	5.6	13
39	Lysophosphatidic acid activates TGFBIp expression in human corneal fibroblasts through a TGF-β1-dependent pathway. *Cellular Signalling*, **2012**, 24, 1241-50	4.9	15
38	Macrophages regulate smooth muscle differentiation of mesenchymal stem cells via a prostaglandin E2-mediated paracrine mechanism. *Arteriosclerosis, Thrombosis, and Vascular Biology* , **2012**, 32, 2733-40	9.4	25
37	Proteomic identification of betaig-h3 as a lysophosphatidic acid-induced secreted protein of human mesenchymal stem cells: paracrine activation of A549 lung adenocarcinoma cells by betaig-h3. *Molecular and Cellular Proteomics*, **2012**, 11, M111.012385	7.6	21
36	Proteomic identification of ADAM12 as a regulator for TGF-β1-induced differentiation of human mesenchymal stem cells to smooth muscle cells. *PLoS ONE*, **2012**, 7, e40820	3.7	21
35	Periostin mediates human adipose tissue-derived mesenchymal stem cell-stimulated tumor growth in a xenograft lung adenocarcinoma model. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2011**, 1813, 2061-70	4.9	31
34	Oxidized phosphatidylcholine induces migration of bone marrow-derived mesenchymal stem cells through Krüppel-like factor 4-dependent mechanism. *Molecular and Cellular Biochemistry*, **2011**, 352, 109-15	4.2	2
33	Lysophosphatidic acid-induced expression of periostin in stromal cells: Prognoistic relevance of periostin expression in epithelial ovarian cancer. *International Journal of Cancer*, **2011**, 128, 332-42	7.5	36
32	Ovarian cancer-derived lysophosphatidic acid stimulates secretion of VEGF and stromal cell-derived factor-1 alpha from human mesenchymal stem cells. *Experimental and Molecular Medicine*, **2010**, 42, 280-93	12.8	46
31	Synovial fluid of patients with rheumatoid arthritis induces alpha-smooth muscle actin in human adipose tissue-derived mesenchymal stem cells through a TGF-beta1-dependent mechanism. *Experimental and Molecular Medicine*, **2010**, 42, 565-73	12.8	16
30	Lysophosphatidic acid mediates migration of human mesenchymal stem cells stimulated by synovial fluid of patients with rheumatoid arthritis. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2010**, 1801, 23-30	5	29
29	Mesenchymal stem cells stimulate angiogenesis in a murine xenograft model of A549 human adenocarcinoma through an LPA1 receptor-dependent mechanism. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2010**, 1801, 1205-13	5	35
28	Platelet-activating factor receptor mediates oxidized low density lipoprotein-induced migration of bone marrow-derived mesenchymal stem cells. *Cellular Physiology and Biochemistry*, **2010**, 26, 689-98	3.9	11
27	Comparative analysis of the secretory proteome of human adipose stromal vascular fraction cells during adipogenesis. *Proteomics*, **2010**, 10, 394-405	4.8	57
26	Thromboxane A(2) modulates migration, proliferation, and differentiation of adipose tissue-derived mesenchymal stem cells. *Experimental and Molecular Medicine*, **2009**, 41, 17-24	12.8	43
25	Thromboxane a(2) induces differentiation of human mesenchymal stem cells to smooth muscle-like cells. *Stem Cells*, **2009**, 27, 191-9	5.8	53
24	Cancer-derived lysophosphatidic acid stimulates differentiation of human mesenchymal stem cells to myofibroblast-like cells. *Stem Cells*, **2008**, 26, 789-97	5.8	135
23	Lysophosphatidic acid induces cell migration through the selective activation of Akt1. *Experimental and Molecular Medicine*, **2008**, 40, 445-52	12.8	37

22	A Rho kinase/myocardin-related transcription factor-A-dependent mechanism underlies the sphingosylphosphorylcholine-induced differentiation of mesenchymal stem cells into contractile smooth muscle cells. *Circulation Research*, **2008**, 103, 635-42	15.7	63
21	Lysophosphatidic acid in malignant ascites stimulates migration of human mesenchymal stem cells. *Journal of Cellular Biochemistry*, **2008**, 104, 499-510	4.7	44
20	Lysophosphatidic acid in ascites from ovarian cancer patients selectively activates Akt1 to induce cell migration. *FASEB Journal*, **2008**, 22, 580-580	0.9	
19	Sphingosylphosphorylcholine induces apoptosis of endothelial cells through reactive oxygen species-mediated activation of ERK. *Journal of Cellular Biochemistry*, **2007**, 100, 1536-47	4.7	26
18	Oncostatin M promotes osteogenesis and suppresses adipogenic differentiation of human adipose tissue-derived mesenchymal stem cells. *Journal of Cellular Biochemistry*, **2007**, 101, 1238-51	4.7	73
17	Oncostatin M decreases adiponectin expression and induces dedifferentiation of adipocytes by JAK3- and MEK-dependent pathways. *International Journal of Biochemistry and Cell Biology*, **2007**, 39, 439-49	5.6	28
16	Oncostatin M stimulates expression of stromal-derived factor-1 in human mesenchymal stem cells. *International Journal of Biochemistry and Cell Biology*, **2007**, 39, 650-9	5.6	19
15	Sphingosylphosphorylcholine stimulates expression of fibronectin through TGF-beta1-Smad-dependent mechanism in human mesenchymal stem cells. *International Journal of Biochemistry and Cell Biology*, **2007**, 39, 1224-34	5.6	10
14	Sphingosylphosphorylcholine induces differentiation of human mesenchymal stem cells into smooth-muscle-like cells through a TGF-beta-dependent mechanism. *Journal of Cell Science*, **2006**, 119, 4994-5005	5.3	141
13	Sphingosylphosphorylcholine induces proliferation of human adipose tissue-derived mesenchymal stem cells via activation of JNK. *Journal of Lipid Research*, **2006**, 47, 653-64	6.3	52
12	Role of MEK-ERK pathway in sphingosylphosphorylcholine-induced cell death in human adipose tissue-derived mesenchymal stem cells. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2005**, 1734, 25-33	5	18
11	Human adipose stromal cells expanded in human serum promote engraftment of human peripheral blood hematopoietic stem cells in NOD/SCID mice. *Biochemical and Biophysical Research Communications*, **2005**, 329, 25-31	3.4	53
10	Oncostatin M induces proliferation of human adipose tissue-derived mesenchymal stem cells. *International Journal of Biochemistry and Cell Biology*, **2005**, 37, 2357-65	5.6	44
9	Sphingosylphosphorylcholine generates reactive oxygen species through calcium-, protein kinase Cdelta- and phospholipase D-dependent pathways. *Cellular Signalling*, **2005**, 17, 777-87	4.9	17
8	Role of c-Jun N-terminal kinase in the PDGF-induced proliferation and migration of human adipose tissue-derived mesenchymal stem cells. *Journal of Cellular Biochemistry*, **2005**, 95, 1135-45	4.7	96
7	Lysophosphatidic acid induces exocytic trafficking of Na(+)/H(+) exchanger 3 by E3KARP-dependent activation of phospholipase C. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2004**, 1683, 59-68	5	17
6	Ca2+-dependent inhibition of NHE3 requires PKC alpha which binds to E3KARP to decrease surface NHE3 containing plasma membrane complexes. *American Journal of Physiology - Cell Physiology*, **2003**, 285, C1527-36	5.4	79
5	Lysophosphatidic acid stimulates brush border Na+/H+ exchanger 3 (NHE3) activity by increasing its exocytosis by an NHE3 kinase A regulatory protein-dependent mechanism. *Journal of Biological Chemistry*, **2003**, 278, 16494-501	5.4	75

4	Large multiprotein complexes are involved in short-term regulation of the epithelial brush border Na+/H+ exchanger NHE3 **2003**, 20-21		
3	Ca(2+)-dependent inhibition of Na+/H+ exchanger 3 (NHE3) requires an NHE3-E3KARP-alpha-actinin-4 complex for oligomerization and endocytosis. *Journal of Biological Chemistry*, **2002**, 277, 23714-24	5.4	106
2	The roles of PDZ-containing proteins in PLC-beta-mediated signaling. *Biochemical and Biophysical Research Communications*, **2001**, 288, 1-7	3.4	74
1	Trp-Lys-Tyr-Met-Val-D-Met is a chemoattractant for human phagocytic cells. *Journal of Leukocyte Biology*, **1999**, 66, 915-22	6.5	33