

# Mee-Hae Kim

## 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.

50  
papers

423  
citations

12  
h-index

18  
g-index

54  
ext. papers

498  
ext. citations

5  
avg, IF

4.03  
L-index

#	Paper	IF	Citations
50	The impact of culture dimensionality on behavioral epigenetic memory contributing to pluripotent state of iPS cells. <i>Journal of Cellular Physiology</i> , <b>2021</b> , 236, 4985-4996	7	2
49	Mechanobiological conceptual framework for assessing stem cell bioprocess effectiveness. <i>Biotechnology and Bioengineering</i> , <b>2021</b> , 118, 4537-4549	4.9	1
48	Effect of initial seeding density on cell behavior-driven epigenetic memory and preferential lineage differentiation of human iPSCs. <i>Stem Cell Research</i> , <b>2021</b> , 56, 102534	1.6	0
47	Novel approach to enhance aggregate migration-driven epigenetic memory which induces cardiomyogenic differentiation on a dendrimer-immobilized surface. <i>Journal of Bioscience and Bioengineering</i> , <b>2021</b> , 132, 390-398	3.3	
46	Muscle lineage switching by migratory behaviour-driven epigenetic modifications of human mesenchymal stem cells on a dendrimer-immobilized surface. <i>Acta Biomaterialia</i> , <b>2020</b> , 106, 170-180	10.8	4
45	Bioengineering Considerations for a Nurturing Way to Enhance Scalable Expansion of Human Pluripotent Stem Cells. <i>Biotechnology Journal</i> , <b>2020</b> , 15, e1900314	5.6	3
44	Designing a blueprint for next-generation stem cell bioprocessing development. <i>Biotechnology and Bioengineering</i> , <b>2020</b> , 117, 832-843	4.9	2
43	Suppression of time-dependent decay by controlling the redox balance of human induced pluripotent stem cells suspended in a cryopreservation solution. <i>Biochemical Engineering Journal</i> , <b>2020</b> , 155, 107465	4.2	4
42	Maintenance of an undifferentiated state of human-induced pluripotent stem cells through botulinum hemagglutinin-mediated regulation of cell behavior. <i>Journal of Bioscience and Bioengineering</i> , <b>2019</b> , 127, 744-751	3.3	4
41	Alterations in Nuclear Lamina and the Cytoskeleton of Bone Marrow-Derived Human Mesenchymal Stem Cells Cultured Under Simulated Microgravity Conditions. <i>Stem Cells and Development</i> , <b>2019</b> , 28, 1167-1176	4.4	5
40	Maintenance of Neurogenic Differentiation Potential in Passaged Bone Marrow-Derived Human Mesenchymal Stem Cells Under Simulated Microgravity Conditions. <i>Stem Cells and Development</i> , <b>2019</b> , 28, 1552-1561	4.4	4
39	Effect of migratory behaviors on human induced pluripotent stem cell colony formation on different extracellular matrix proteins. <i>Regenerative Therapy</i> , <b>2019</b> , 10, 27-35	3.7	6
38	Anomalous cell migration triggers a switch to deviation from the undifferentiated state in colonies of human induced pluripotent stems on feeder layers. <i>Journal of Bioscience and Bioengineering</i> , <b>2019</b> , 127, 246-255	3.3	9
37	Role of cell-secreted extracellular matrix formation in aggregate formation and stability of human induced pluripotent stem cells in suspension culture. <i>Journal of Bioscience and Bioengineering</i> , <b>2019</b> , 127, 372-380	3.3	13
36	Comparison of growth kinetics between static and dynamic cultures of human induced pluripotent stem cells. <i>Journal of Bioscience and Bioengineering</i> , <b>2018</b> , 125, 736-740	3.3	8
35	Botulinum hemagglutinin-mediated in situ break-up of human induced pluripotent stem cell aggregates for high-density suspension culture. <i>Biotechnology and Bioengineering</i> , <b>2018</b> , 115, 910-920	4.9	11
34	A Simple and Robust Method for Culturing Human-Induced Pluripotent Stem Cells in an Undifferentiated State Using Botulinum Hemagglutinin. <i>Biotechnology Journal</i> , <b>2018</b> , 13, 1700384	5.6	2

33	Maintenance of human chondrogenic phenotype on a dendrimer-immobilized surface for an application of cell sheet engineering. <i>BMC Biotechnology</i> , <b>2018</b> , 18, 14	3.5	10
32	Bioprocessing Strategies for Pluripotent Stem Cells Based on Waddington's Epigenetic Landscape. <i>Trends in Biotechnology</i> , <b>2018</b> , 36, 89-104	15.1	15
31	A Novel Strategy for Simple and Robust Expansion of Human Pluripotent Stem Cells Using Botulinum Hemagglutinin. <i>Advances in Experimental Medicine and Biology</i> , <b>2018</b> , 1077, 19-29	3.6	2
30	Chondrogenesis and hypertrophy in response to aggregate behaviors of human mesenchymal stem cells on a dendrimer-immobilized surface. <i>Biotechnology Letters</i> , <b>2017</b> , 39, 1253-1261	3	2
29	Phenotypic heterogeneity of human retinal pigment epithelial cells in passaged cell populations. <i>Journal of Bioscience and Bioengineering</i> , <b>2017</b> , 124, 227-233	3.3	3
28	Botulinum hemagglutinin-mediated selective removal of cells deviating from the undifferentiated state in hiPSC colonies. <i>Scientific Reports</i> , <b>2017</b> , 7, 93	4.9	10
27	Development of an automated chip culture system with integrated on-line monitoring for maturation culture of retinal pigment epithelial cells. <i>AIMS Bioengineering</i> , <b>2017</b> , 4, 402-417	3.4	1
26	Development of an automated chip culture system with integrated on-line monitoring for maturation culture of retinal pigment epithelial cells. <i>AIMS Bioengineering</i> , <b>2017</b> , 4, 402-417	3.4	
25	Facilitation of uniform maturation of human retinal pigment epithelial cells through collective movement in culture. <i>Journal of Bioscience and Bioengineering</i> , <b>2016</b> , 121, 220-6	3.3	7
24	Migration-driven aggregate behaviors of human mesenchymal stem cells on a dendrimer-immobilized surface direct differentiation toward a cardiomyogenic fate commitment. <i>Journal of Bioscience and Bioengineering</i> , <b>2016</b> , 122, 627-632	3.3	8
23	Changes in human mesenchymal stem cell behaviors on dendrimer-immobilized surfaces due to mediation of fibronectin adsorption and assembly. <i>Journal of Bioscience and Bioengineering</i> , <b>2015</b> , 120, 709-14	3.3	8
22	Maintenance of an undifferentiated state of human induced pluripotent stem cells through migration-dependent regulation of the balance between cell-cell and cell-substrate interactions. <i>Journal of Bioscience and Bioengineering</i> , <b>2015</b> , 119, 617-22	3.3	18
21	Locational heterogeneity of maturation by changes in migratory behaviors of human retinal pigment epithelial cells in culture. <i>Journal of Bioscience and Bioengineering</i> , <b>2015</b> , 119, 107-12	3.3	1
20	Directed differentiation of human mesenchymal stem cells toward a cardiomyogenic fate commitment through formation of cell aggregates. <i>Biochemical Engineering Journal</i> , <b>2014</b> , 84, 53-58	4.2	6
19	Kinetic analysis of deviation from the undifferentiated state in colonies of human induced pluripotent stem cells on feeder layers. <i>Biotechnology and Bioengineering</i> , <b>2014</b> , 111, 1128-38	4.9	17
18	Maintenance of undifferentiated state of human induced pluripotent stem cells through cytoskeleton-driven force acting to secreted fibronectin on a dendrimer-immobilized surface. <i>Journal of Bioscience and Bioengineering</i> , <b>2014</b> , 118, 716-22	3.3	8
17	Influence of surface topography on the human epithelial cell response to micropatterned substrates with convex and concave architectures. <i>Journal of Biological Engineering</i> , <b>2014</b> , 8, 13	6.3	30
16	Switching between self-renewal and lineage commitment of human induced pluripotent stem cells via cell-substrate and cell-cell interactions on a dendrimer-immobilized surface. <i>Biomaterials</i> , <b>2014</b> , 35, 5670-8	15.6	32

15	Preferential growth of skeletal myoblasts and fibroblasts in co-culture on a dendrimer-immobilized surface. <i>Journal of Bioscience and Bioengineering</i> , <b>2013</b> , 115, 96-9	3.3	9
14	Analysis of locality of early-stage maturation in confluent state of human retinal pigment epithelial cells. <i>Journal of Bioscience and Bioengineering</i> , <b>2012</b> , 113, 778-81	3.3	6
13	Characterization of spatial cell distribution in multilayer sheet of human keratinocytes through a stereoscopic cell imaging system. <i>Journal of Bioscience and Bioengineering</i> , <b>2011</b> , 112, 289-91	3.3	5
12	Comprehension of terminal differentiation and dedifferentiation of chondrocytes during passage cultures. <i>Journal of Bioscience and Bioengineering</i> , <b>2011</b> , 112, 395-401	3.3	13
11	Embryonic Stem Cells Maintain an Undifferentiated State on Dendrimer-Immobilized Surface with d-Glucose Display. <i>Polymers</i> , <b>2011</b> , 3, 2078-2087	4.5	1
10	Myogenic induction of human mesenchymal stem cells by culture on dendrimer-immobilized surface with d-glucose display. <i>Journal of Bioscience and Bioengineering</i> , <b>2010</b> , 109, 55-61	3.3	8
9	Cardiomyogenic induction of human mesenchymal stem cells by altered Rho family GTPase expression on dendrimer-immobilized surface with D-glucose display. <i>Biomaterials</i> , <b>2010</b> , 31, 7666-77	15.6	28
8	Dendrimer-Immobilized Culture Surface as a Tool to Promote Aggregate Formation of Anchorage-Dependent Cells <b>2010</b> , 57-63		
7	Morphological regulation and aggregate formation of rabbit chondrocytes on dendrimer-immobilized surfaces with D-glucose display. <i>Journal of Bioscience and Bioengineering</i> , <b>2009</b> , 107, 196-205	3.3	16
6	Glucose transporter mediation responsible for morphological changes of human epithelial cells on glucose-displayed surfaces. <i>Journal of Bioscience and Bioengineering</i> , <b>2008</b> , 105, 319-26	3.3	8
5	Enrichment of undifferentiated mouse embryonic stem cells on a culture surface with a glucose-displaying dendrimer. <i>Biomaterials</i> , <b>2008</b> , 29, 4236-43	15.6	14
4	Morphological regulation of rabbit chondrocytes on glucose-displayed surface. <i>Biomaterials</i> , <b>2007</b> , 28, 1680-8	15.6	17
3	Response of human epithelial cells to culture surfaces with varied roughnesses prepared by immobilizing dendrimers with/without D-glucose display. <i>Journal of Bioscience and Bioengineering</i> , <b>2007</b> , 103, 192-9	3.3	27
2	Synergistic effect of D-glucose and epidermal growth factor display on dynamic behaviors of human epithelial cells. <i>Journal of Bioscience and Bioengineering</i> , <b>2007</b> , 104, 428-31	3.3	5
1	Dendrimer-immobilized culture surface as a tool to evaluate formation of cellular cytoskeleton of anchorage-dependent cells. <i>Journal of Bioscience and Bioengineering</i> , <b>2004</b> , 97, 233-8	3.3	8