

Mee-Hae Kim

List of Publications by Citations

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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	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> , 2014 , 35, 5670-8	15.6	32
49	Influence of surface topography on the human epithelial cell response to micropatterned substrates with convex and concave architectures. <i>Journal of Biological Engineering</i> , 2014 , 8, 13	6.3	30
48	Cardiomyogenic induction of human mesenchymal stem cells by altered Rho family GTPase expression on dendrimer-immobilized surface with D-glucose display. <i>Biomaterials</i> , 2010 , 31, 7666-77	15.6	28
47	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> , 2007 , 103, 192-9	3.3	27
46	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> , 2015 , 119, 617-22	3.3	18
45	Kinetic analysis of deviation from the undifferentiated state in colonies of human induced pluripotent stem cells on feeder layers. <i>Biotechnology and Bioengineering</i> , 2014 , 111, 1128-38	4.9	17
44	Morphological regulation of rabbit chondrocytes on glucose-displayed surface. <i>Biomaterials</i> , 2007 , 28, 1680-8	15.6	17
43	Morphological regulation and aggregate formation of rabbit chondrocytes on dendrimer-immobilized surfaces with D-glucose display. <i>Journal of Bioscience and Bioengineering</i> , 2009 , 107, 196-205	3.3	16
42	Bioprocessing Strategies for Pluripotent Stem Cells Based on Waddington's Epigenetic Landscape. <i>Trends in Biotechnology</i> , 2018 , 36, 89-104	15.1	15
41	Enrichment of undifferentiated mouse embryonic stem cells on a culture surface with a glucose-displaying dendrimer. <i>Biomaterials</i> , 2008 , 29, 4236-43	15.6	14
40	Comprehension of terminal differentiation and dedifferentiation of chondrocytes during passage cultures. <i>Journal of Bioscience and Bioengineering</i> , 2011 , 112, 395-401	3.3	13
39	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> , 2019 , 127, 372-380	3.3	13
38	Botulinum hemagglutinin-mediated in situ break-up of human induced pluripotent stem cell aggregates for high-density suspension culture. <i>Biotechnology and Bioengineering</i> , 2018 , 115, 910-920	4.9	11
37	Botulinum hemagglutinin-mediated selective removal of cells deviating from the undifferentiated state in hiPSC colonies. <i>Scientific Reports</i> , 2017 , 7, 93	4.9	10
36	Maintenance of human chondrogenic phenotype on a dendrimer-immobilized surface for an application of cell sheet engineering. <i>BMC Biotechnology</i> , 2018 , 18, 14	3.5	10
35	Preferential growth of skeletal myoblasts and fibroblasts in co-culture on a dendrimer-immobilized surface. <i>Journal of Bioscience and Bioengineering</i> , 2013 , 115, 96-9	3.3	9
34	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> , 2019 , 127, 246-255	3.3	9

33	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> , 2015 , 120, 709-14	3-3	8
32	Comparison of growth kinetics between static and dynamic cultures of human induced pluripotent stem cells. <i>Journal of Bioscience and Bioengineering</i> , 2018 , 125, 736-740	3-3	8
31	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> , 2014 , 118, 716-22	3-3	8
30	Myogenic induction of human mesenchymal stem cells by culture on dendrimer-immobilized surface with d-glucose display. <i>Journal of Bioscience and Bioengineering</i> , 2010 , 109, 55-61	3-3	8
29	Glucose transporter mediation responsible for morphological changes of human epithelial cells on glucose-displayed surfaces. <i>Journal of Bioscience and Bioengineering</i> , 2008 , 105, 319-26	3-3	8
28	Dendrimer-immobilized culture surface as a tool to evaluate formation of cellular cytoskeleton of anchorage-dependent cells. <i>Journal of Bioscience and Bioengineering</i> , 2004 , 97, 233-8	3-3	8
27	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> , 2016 , 122, 627-632	3-3	8
26	Facilitation of uniform maturation of human retinal pigment epithelial cells through collective movement in culture. <i>Journal of Bioscience and Bioengineering</i> , 2016 , 121, 220-6	3-3	7
25	Directed differentiation of human mesenchymal stem cells toward a cardiomyogenic fate commitment through formation of cell aggregates. <i>Biochemical Engineering Journal</i> , 2014 , 84, 53-58	4-2	6
24	Analysis of locality of early-stage maturation in confluent state of human retinal pigment epithelial cells. <i>Journal of Bioscience and Bioengineering</i> , 2012 , 113, 778-81	3-3	6
23	Effect of migratory behaviors on human induced pluripotent stem cell colony formation on different extracellular matrix proteins. <i>Regenerative Therapy</i> , 2019 , 10, 27-35	3-7	6
22	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> , 2019 , 28, 1167-1176	4-4	5
21	Characterization of spatial cell distribution in multilayer sheet of human keratinocytes through a stereoscopic cell imaging system. <i>Journal of Bioscience and Bioengineering</i> , 2011 , 112, 289-91	3-3	5
20	Synergistic effect of D-glucose and epidermal growth factor display on dynamic behaviors of human epithelial cells. <i>Journal of Bioscience and Bioengineering</i> , 2007 , 104, 428-31	3-3	5
19	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> , 2019 , 127, 744-751	3-3	4
18	Muscle lineage switching by migratory behaviour-driven epigenetic modifications of human mesenchymal stem cells on a dendrimer-immobilized surface. <i>Acta Biomaterialia</i> , 2020 , 106, 170-180	10.8	4
17	Maintenance of Neurogenic Differentiation Potential in Passaged Bone Marrow-Derived Human Mesenchymal Stem Cells Under Simulated Microgravity Conditions. <i>Stem Cells and Development</i> , 2019 , 28, 1552-1561	4-4	4
16	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> , 2020 , 155, 107465	4-2	4

15	Phenotypic heterogeneity of human retinal pigment epithelial cells in passaged cell populations. <i>Journal of Bioscience and Bioengineering</i> , 2017 , 124, 227-233	3.3	3
14	Bioengineering Considerations for a Nurturing Way to Enhance Scalable Expansion of Human Pluripotent Stem Cells. <i>Biotechnology Journal</i> , 2020 , 15, e1900314	5.6	3
13	Chondrogenesis and hypertrophy in response to aggregate behaviors of human mesenchymal stem cells on a dendrimer-immobilized surface. <i>Biotechnology Letters</i> , 2017 , 39, 1253-1261	3	2
12	A Simple and Robust Method for Culturing Human-Induced Pluripotent Stem Cells in an Undifferentiated State Using Botulinum Hemagglutinin. <i>Biotechnology Journal</i> , 2018 , 13, 1700384	5.6	2
11	Designing a blueprint for next-generation stem cell bioprocessing development. <i>Biotechnology and Bioengineering</i> , 2020 , 117, 832-843	4.9	2
10	The impact of culture dimensionality on behavioral epigenetic memory contributing to pluripotent state of iPS cells. <i>Journal of Cellular Physiology</i> , 2021 , 236, 4985-4996	7	2
9	A Novel Strategy for Simple and Robust Expansion of Human Pluripotent Stem Cells Using Botulinum Hemagglutinin. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1077, 19-29	3.6	2
8	Locational heterogeneity of maturation by changes in migratory behaviors of human retinal pigment epithelial cells in culture. <i>Journal of Bioscience and Bioengineering</i> , 2015 , 119, 107-12	3.3	1
7	Embryonic Stem Cells Maintain an Undifferentiated State on Dendrimer-Immobilized Surface with d-Glucose Display. <i>Polymers</i> , 2011 , 3, 2078-2087	4.5	1
6	Development of an automated chip culture system with integrated on-line monitoring for maturation culture of retinal pigment epithelial cells. <i>AIMS Bioengineering</i> , 2017 , 4, 402-417	3.4	1
5	Mechanobiological conceptual framework for assessing stem cell bioprocess effectiveness. <i>Biotechnology and Bioengineering</i> , 2021 , 118, 4537-4549	4.9	1
4	Effect of initial seeding density on cell behavior-driven epigenetic memory and preferential lineage differentiation of human iPSCs. <i>Stem Cell Research</i> , 2021 , 56, 102534	1.6	0
3	Development of an automated chip culture system with integrated on-line monitoring for maturation culture of retinal pigment epithelial cells. <i>AIMS Bioengineering</i> , 2017 , 4, 402-417	3.4	
2	Dendrimer-Immobilized Culture Surface as a Tool to Promote Aggregate Formation of Anchorage-Dependent Cells 2010 , 57-63		
1	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> , 2021 , 132, 390-398	3.3	