

# Hwan-Seok Jang

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

426  
citations

1163117

8  
h-index

940533

16  
g-index

20  
all docs

20  
docs citations

20  
times ranked

788  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cell position within human pluripotent stem cell colonies determines apical specialization via an actin cytoskeleton-based mechanism. <i>Stem Cell Reports</i> , 2022, 17, 68-81.	4.8	13
2	Study on the Expansion Dynamics of MDCK Epithelium by Interstitial Flow Using a Traction Force-Measurable Microfluidic Chip. <i>Materials</i> , 2021, 14, 935.	2.9	2
3	Expression of E-Cadherin in Epithelial Cancer Cells Increases Cell Motility and Directionality through the Localization of ZO-1 during Collective Cell Migration. <i>Bioengineering</i> , 2021, 8, 65.	3.5	6
4	Continuum-based modeling of collective cell migration. <i>Journal of Mechanical Science and Technology</i> , 2021, 35, 4271-4277.	1.5	0
5	Yes-Associated Protein Is Required for ZO-1-Mediated Tight-Junction Integrity and Cell Migration in E-Cadherin-Restored AGS Gastric Cancer Cells. <i>Biomedicines</i> , 2021, 9, 1264.	3.2	4
6	Development of Magnetic Torque Stimulation (MTS) Utilizing Rotating Uniform Magnetic Field for Mechanical Activation of Cardiac Cells. <i>Nanomaterials</i> , 2020, 10, 1684.	4.1	6
7	Development of a 3-D Physical Dynamics Monitoring System Using OCM with DVC for Quantification of Sprouting Endothelial Cells Interacting with a Collagen Matrix. <i>Materials</i> , 2020, 13, 2693.	2.9	2
8	Traction Microscopy Integrated with Microfluidics for Chemotactic Collective Migration. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	1
9	Traction microscopy with integrated microfluidics: responses of the multi-cellular island to gradients of HGF. <i>Lab on A Chip</i> , 2019, 19, 1579-1588.	6.0	11
10	Quantification of focal adhesion dynamics of cell movement based on cell-induced collagen matrix deformation using second-harmonic generation microscopy. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	2.6	5
11	Homogenizing cellular tension by hepatocyte growth factor in expanding epithelial monolayer. <i>Scientific Reports</i> , 2017, 7, 45844.	3.3	20
12	An efficient algorithm for the reconstruction of punctured convolutional codes. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2017, 2017, .	2.4	1
13	Directional migration of mesenchymal stem cells under an SDF-1 $\alpha$ gradient on a microfluidic device. <i>PLoS ONE</i> , 2017, 12, e0184595.	2.5	32
14	Cellular Contraction and Polarization Drive Collective Cellular Motion. <i>Biophysical Journal</i> , 2016, 110, 2729-2738.	0.5	135
15	Combination of three angiogenic growth factors has synergistic effects on sprouting of endothelial cell/mesenchymal stem cell-based spheroids in a 3D matrix. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016, 104, 1535-1543.	3.4	15
16	Sufficient conditions for an (n, 1) mother code and its puncturing pattern to generate a given convolutional code. , 2015, , .		1
17	PS2-9 Integration of microfluidic chips with cellular traction measuring systems for studying differential collective cell migration(PS2: Poster Short Presentation II,Poster Session). The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics. 2015. 2015.8. 251.	0.0	0
18	GS1-19 Characterization of kinematics and forces within a scattering monolayer(GS1: Cell and Tissue) Tj ETQq0 0 0 rgBT /Overlock 10 T and Technology in Biomechanics, 2015, 2015.8, 132.	0.0	0

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19	Regeneration of chronic myocardial infarction by injectable hydrogels containing stem cell homing factor SDF-1 and angiogenic peptide Ac-SDKP. <i>Biomaterials</i> , 2014, 35, 2436-2445.	11.4	107
20	Cellular behavior in micropatterned hydrogels by bioprinting system depended on the cell types and cellular interaction. <i>Journal of Bioscience and Bioengineering</i> , 2013, 116, 224-230.	2.2	65