

Yongsung Hwang

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,005
citations

567281

15
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

1854
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering the cell-material interface for controlling stem cell adhesion, migration, and differentiation. <i>Biomaterials</i> , 2011, 32, 3700-3711.	11.4	288
2	Poly(ethylene glycol) cryogels as potential cell scaffolds: effect of polymerization conditions on cryogel microstructure and properties. <i>Journal of Materials Chemistry</i> , 2010, 20, 345-351.	6.7	93
3	Mineralized gelatin methacrylate-based matrices induce osteogenic differentiation of human induced pluripotent stem cells. <i>Acta Biomaterialia</i> , 2014, 10, 4961-4970.	8.3	89
4	Interconnected Macroporous Poly(Ethylene Glycol) Cryogels as a Cell Scaffold for Cartilage Tissue Engineering. <i>Tissue Engineering - Part A</i> , 2010, 16, 3033-3041.	3.1	78
5	Effect of scaffold microarchitecture on osteogenic differentiation of human mesenchymal stem cells. , 2013, 25, 114-129.		76
6	The matrix protein Fibulin-5 is at the interface of tissue stiffness and inflammation in fibrosis. <i>Nature Communications</i> , 2015, 6, 8574.	12.8	64
7	Engineering cell-material interfaces for long-term expansion of human pluripotent stem cells. <i>Biomaterials</i> , 2013, 34, 912-921.	11.4	47
8	Traction Force Microscopy for Understanding Cellular Mechanotransduction. <i>BMB Reports</i> , 2020, 53, 74-081.	2.4	39
9	Directed In Vitro Myogenesis of Human Embryonic Stem Cells and Their In Vivo Engraftment. <i>PLoS ONE</i> , 2013, 8, e72023.	2.5	37
10	WNT3A promotes myogenesis of human embryonic stem cells and enhances in vivo engraftment. <i>Scientific Reports</i> , 2014, 4, 5916.	3.3	34
11	Engineered microenvironments for self-renewal and musculoskeletal differentiation of stem cells. <i>Regenerative Medicine</i> , 2011, 6, 505-524.	1.7	31
12	Biomaterialized matrix-assisted osteogenic differentiation of human embryonic stem cells. <i>Journal of Materials Chemistry B</i> , 2014, 2, 5676.	5.8	28
13	In vivo comparison of biomaterialized scaffold-directed osteogenic differentiation of human embryonic and mesenchymal stem cells. <i>Drug Delivery and Translational Research</i> , 2016, 6, 121-131.	5.8	18
14	Matrix Topographical Cue-Mediated Myogenic Differentiation of Human Embryonic Stem Cell Derivatives. <i>Polymers</i> , 2017, 9, 580.	4.5	18
15	Biomimetic Material-Assisted Delivery of Human Embryonic Stem Cell Derivatives for Enhanced In Vivo Survival and Engraftment. <i>ACS Biomaterials Science and Engineering</i> , 2015, 1, 7-12.	5.2	16
16	A Novel Strategy for Creating an Antibacterial Surface Using a Highly Efficient Electrospray-Based Method for Silica Deposition. <i>International Journal of Molecular Sciences</i> , 2022, 23, 513.	4.1	8
17	Hyaluronic Acid Treatment Improves Healing of the Tenorrhaphy Site by Suppressing Adhesions through Extracellular Matrix Remodeling in a Rat Model. <i>Polymers</i> , 2021, 13, 928.	4.5	6
18	Heparin-Mimicking Polymer-Based In Vitro Platform Recapitulates In Vivo Muscle Atrophy Phenotypes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2488.	4.1	5

#	ARTICLE	IF	CITATIONS
19	Ameliorating Fibrotic Phenotypes of Keloid Dermal Fibroblasts through an Epidermal Growth Factor-Mediated Extracellular Matrix Remodeling. International Journal of Molecular Sciences, 2021, 22, 2198.	4.1	4
20	MBP-FGF2-Immobilized Matrix Maintains Self-Renewal and Myogenic Differentiation Potential of Skeletal Muscle Stem Cells. International Journal of Stem Cells, 2019, 12, 360-366.	1.8	3
21	Effects on Wound Healing of Human-Induced Pluripotent Stem Cell-Derived Cells Similar to Endothelial Colony-Forming Cells. Journal of Wound Management and Research, 2020, 16, 3-12.	0.3	3