

Role of E-cadherin and other cell adhesion molecules in human pluripotent stem cells

Cell Adhesion and Migration

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Characterization of human dental pulp cells-derived spheroids in serum-free medium: Stem cells in the core. <i>Journal of Cellular Biochemistry</i> , 2013, 114, 2624-2636.	1.2	48
2	Technological progress and challenges towards cGMP manufacturing of human pluripotent stem cells based therapeutic products for allogeneic and autologous cell therapies. <i>Biotechnology Advances</i> , 2013, 31, 1600-1623.	6.0	80
3	Expression of Oct4 in human embryonic stem cells is dependent on nanotopographical configuration. <i>Acta Biomaterialia</i> , 2013, 9, 6369-6380.	4.1	58
4	Signaling and Mechanical Roles of E-cadherin. <i>Cell Communication and Adhesion</i> , 2013, 20, 189-199.	1.0	50
5	Transdifferentiation of pancreatic cells by loss of contact-mediated signaling. <i>BMC Systems Biology</i> , 2013, 7, 77.	3.0	17
6	hE-cadherin-Fc fusion protein coated surface enhances the adhesion and proliferation of human mesenchymal stem cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 109, 97-102.	2.5	18
7	Mechanobiology of Human Pluripotent Stem Cells. <i>Tissue Engineering - Part B: Reviews</i> , 2013, 19, 420-430.	2.5	28
8	Mechanobiology: a new frontier for human pluripotent stem cells. <i>Integrative Biology (United Kingdom)</i> 10.1039/c3ib27007a	0.6	24
9	Reprogramming- and pluripotency-associated membrane proteins in mouse stem cells revealed by label-free quantitative proteomics. <i>Journal of Proteomics</i> , 2013, 86, 70-84.	1.2	11
10	Expression and distribution of cell adhesion-related proteins in bovine parthenogenetic embryos: The effects of oocyte vitrification. <i>Theriogenology</i> , 2013, 80, 34-40.	0.9	7
11	Defining synthetic surfaces for human pluripotent stem cell culture. <i>Cell Regeneration</i> , 2013, 2, 2:7.	1.1	31
12	E-Cadherin Fc Chimeric Protein-Based Biomaterial: Breaking the Barriers in Stem Cell Technology and Regenerative Medicine. <i>Advanced Materials Research</i> , 2013, 810, 41-76.	0.3	1
13	Engineered Micromechanical Cues Affecting Human Pluripotent Stem Cell Regulations and Fate. <i>Journal of the Association for Laboratory Automation</i> , 2013, 18, 482-493.	2.8	13
14	Cryopreservation of pluripotent stem cell aggregates in defined protein-free formulation. <i>Biotechnology Progress</i> , 2013, 29, 143-153.	1.3	30
15	Integrin and Adhesion Regulation of Autophagy and Mitophagy. , 0, , .		2
16	Scalable Passaging of Adherent Human Pluripotent Stem Cells. <i>PLoS ONE</i> , 2014, 9, e88012.	1.1	40
17	miR-27 Negatively Regulates Pluripotency-Associated Genes in Human Embryonal Carcinoma Cells. <i>PLoS ONE</i> , 2014, 9, e111637.	1.1	15
18	Human pluripotent stem cells on artificial microenvironments: a high content perspective. <i>Frontiers in Pharmacology</i> , 2014, 5, 150.	1.6	12

#	ARTICLE	IF	CITATIONS
19	Cadherin-Fc Chimeric Protein-Based Biomaterials: Advancing Stem Cell Technology and Regenerative Medicine Towards Application. , 0, , .		2
20	Nanotopographical surfaces for stem cell fate control: Engineering mechanobiology from the bottom. <i>Nano Today</i> , 2014, 9, 759-784.	6.2	220
21	CD44 clustering is involved in monocyte differentiation. <i>Acta Biochimica Et Biophysica Sinica</i> , 2014, 46, 540-547.	0.9	27
22	E-cadherin gene promoter hypermethylation may contribute to the risk of bladder cancer among Asian populations. <i>Gene</i> , 2014, 534, 48-53.	1.0	17
23	Substrate-dependent gene regulation of self-assembled human MSC spheroids on chitosan membranes. <i>BMC Genomics</i> , 2014, 15, 10.	1.2	92
24	Materials for stem cell factories of the future. <i>Nature Materials</i> , 2014, 13, 570-579.	13.3	145
25	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, 1128-1138.	1.7	21
26	The Use of Nanofibrillar Cellulose Hydrogel As a Flexible Three-Dimensional Model to Culture Human Pluripotent Stem Cells. <i>Stem Cells and Development</i> , 2014, 23, 380-392.	1.1	189
27	Inhibition of apoptosis in human induced pluripotent stem cells during expansion in a defined culture using angiotensin-1 derived peptide QHREDGS. <i>Biomaterials</i> , 2014, 35, 7786-7799.	5.7	31
28	Metastasis review: from bench to bedside. <i>Tumor Biology</i> , 2014, 35, 8483-8523.	0.8	126
29	Stem cells and microenvironment: Integration of biochemical and mechanical factors. <i>Biology Bulletin Reviews</i> , 2014, 4, 263-275.	0.3	1
30	Cadherin-11 regulates mesenchymal stem cell differentiation into smooth muscle cells and development of contractile function in vivo. <i>Journal of Cell Science</i> , 2014, 127, 2627-38.	1.2	72
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, 716-722.	1.1	8
32	Transitions between epithelial and mesenchymal states during cell fate conversions. <i>Protein and Cell</i> , 2014, 5, 580-591.	4.8	44
33	Switching between self-renewal and lineage commitment of human induced pluripotent stem cells via cell-cell interactions on a dendrimer-immobilized surface. <i>Biomaterials</i> , 2014, 35, 5670-5678.	5.7	37
34	Synergistic Effects of a Calcium Phosphate/Fibronectin Coating on the Adhesion of Periodontal Ligament Stem Cells onto Decellularized Dental Root Surfaces. <i>Cell Transplantation</i> , 2015, 24, 1767-1779.	1.2	12
35	Thiazovivin, a Rho kinase inhibitor, improves stemness maintenance of embryo-derived stem-like cells under chemically defined culture conditions in cattle. <i>Animal Reproduction Science</i> , 2015, 161, 47-57.	0.5	19
36	Tbx3 and Nr5f2 improve the viability of porcine induced pluripotent stem cells after dissociation into single cells by inhibiting RHO-ROCK-MLC signaling. <i>Biochemical and Biophysical Research Communications</i> , 2015, 456, 743-749.	1.0	8

#	ARTICLE	IF	CITATIONS
37	Nuclear Signaling from Cadherin Adhesion Complexes. <i>Current Topics in Developmental Biology</i> , 2015, 112, 129-196.	1.0	71
38	Embryonic stem cells growing in 3-dimensions shift from reliance on the substrate to each other for mechanical support. <i>Journal of Biomechanics</i> , 2015, 48, 1777-1781.	0.9	14
39	Human embryonic stem cell cultivation: historical perspective and evolution of xeno-free culture systems. <i>Reproductive Biology and Endocrinology</i> , 2015, 13, 9.	1.4	73
40	CDH2 and CDH11 act as regulators of stem cell fate decisions. <i>Stem Cell Research</i> , 2015, 14, 270-282.	0.3	133
41	The Synergistic Enhancement of Cloning Efficiency in Individualized Human Pluripotent Stem Cells by Peroxisome Proliferative-activated Receptor- β (PPAR β) Activation and Rho-associated Kinase (ROCK) Inhibition. <i>Journal of Biological Chemistry</i> , 2015, 290, 26303-26313.	1.6	12
42	Stochasticity and Spatial Interaction Govern Stem Cell Differentiation Dynamics. <i>Scientific Reports</i> , 2015, 5, 12617.	1.6	24
43	Incorporation of Retinoic Acid Releasing Microspheres into Pluripotent Stem Cell Aggregates for Inducing Neuronal Differentiation. <i>Cellular and Molecular Bioengineering</i> , 2015, 8, 307-319.	1.0	23
44	En Route to Metastasis: Circulating Tumor Cell Clusters and Epithelial-to-Mesenchymal Transition. <i>Trends in Cancer</i> , 2015, 1, 44-52.	3.8	218
45	PTPN13 and β -Catenin Regulate the Quiescence of Hematopoietic Stem Cells and Their Interaction with the Bone Marrow Niche. <i>Stem Cell Reports</i> , 2015, 5, 516-531.	2.3	15
46	Micro- and nanodevices integrated with biomolecular probes. <i>Biotechnology Advances</i> , 2015, 33, 1727-1743.	6.0	24
47	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, 617-622.	1.1	22
48	Immunomodulation in Stem Cell Differentiation into Neurons and Brain Repair. <i>Stem Cell Reviews and Reports</i> , 2015, 11, 474-486.	5.6	23
50	E-cadherin adhesion-mediated Wnt activation for mesoderm specification in human embryonic stem cells needs a soft mattress. <i>Stem Cell Investigation</i> , 2016, 3, 77-77.	1.3	2
51	Rbm24 Regulates Alternative Splicing Switch in Embryonic Stem Cell Cardiac Lineage Differentiation. <i>Stem Cells</i> , 2016, 34, 1776-1789.	1.4	51
52	Bioengineered Extracellular Membranous Nanovesicles for Efficient Small Interfering RNA Delivery: Versatile Platforms for Stem Cell Engineering and In Vivo Delivery. <i>Advanced Functional Materials</i> , 2016, 26, 5804-5817.	7.8	24
53	Serum replacement with albumin-associated lipids prevents excess aggregation and enhances growth of induced pluripotent stem cells in suspension culture. <i>Biotechnology Progress</i> , 2016, 32, 1009-1016.	1.3	12
54	Establishment of feeder-free culture system for human induced pluripotent stem cell on DAS nanocrystalline graphene. <i>Scientific Reports</i> , 2016, 6, 20708.	1.6	11
56	Surface modification with E-cadherin fusion protein for mesenchymal stem cell culture. <i>Journal of Materials Chemistry B</i> , 2016, 4, 4267-4277.	2.9	14

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57	Protein kinase A inhibitor, H89, enhances survival and clonogenicity of dissociated human embryonic stem cells through Rho-associated coiled-coil containing protein kinase (ROCK) inhibition. <i>Human Reproduction</i> , 2016, 31, 832-843.	0.4	13
58	Electrospun polystyrene scaffolds as a synthetic substrate for xeno-free expansion and differentiation of human induced pluripotent stem cells. <i>Acta Biomaterialia</i> , 2016, 46, 266-277.	4.1	30
59	Vertical nanocolumn-assisted pluripotent stem cell colony formation with minimal cell-penetration. <i>Nanoscale</i> , 2016, 8, 18087-18097.	2.8	9
60	Capturing the ephemeral human pluripotent state. <i>Developmental Dynamics</i> , 2016, 245, 762-773.	0.8	10
61	Physical confinement signals regulate the organization of stem cells in three dimensions. <i>Journal of the Royal Society Interface</i> , 2016, 13, 20160613.	1.5	11
62	Transcriptome analyses of inner cell mass and trophectoderm cells isolated by magnetic-activated cell sorting from bovine blastocysts using single cell <i>scRNA-seq</i> . <i>Reproduction in Domestic Animals</i> , 2016, 51, 726-735.	0.6	21
63	Stem Cell Surface Marker Expression Defines Late Stages of Reprogramming to Pluripotency in Human Fibroblasts. <i>Stem Cells Translational Medicine</i> , 2016, 5, 870-882.	1.6	6
64	Cadherin-11 is a novel regulator of extracellular matrix synthesis and tissue mechanics. <i>Journal of Cell Science</i> , 2016, 129, 2950-61.	1.2	65
65	High throughput screening for discovery of materials that control stem cell fate. <i>Current Opinion in Solid State and Materials Science</i> , 2016, 20, 202-211.	5.6	38
66	Stem cell death and survival in heart regeneration and repair. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2016, 21, 252-268.	2.2	90
67	The Importance and Clinical Relevance of Surfaces in Tissue Culture. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 152-164.	2.6	15
68	Characterization of 3D pluripotent stem cell aggregates and the impact of their properties on bioprocessing. <i>Process Biochemistry</i> , 2017, 59, 276-288.	1.8	13
69	Lab on a fabric: Mass producible and low-cost fabric filters for the high-throughput viable isolation of circulating tumor cells. <i>Biosensors and Bioelectronics</i> , 2017, 91, 747-755.	5.3	24
70	A critical role for p38MAPK signalling pathway during reprogramming of human fibroblasts to iPSCs. <i>Scientific Reports</i> , 2017, 7, 41693.	1.6	17
71	Botulinum hemagglutinin-mediated selective removal of cells deviating from the undifferentiated state in hiPSC colonies. <i>Scientific Reports</i> , 2017, 7, 93.	1.6	17
72	Size- and time-dependent growth properties of human induced pluripotent stem cells in the culture of single aggregate. <i>Journal of Bioscience and Bioengineering</i> , 2017, 124, 469-475.	1.1	25
73	Engineering Niches for Embryonic and Induced Pluripotent Stem Cells. , 2017, , 445-457.		3
74	A Strong Contractile Actin Fence and Large Adhesions Direct Human Pluripotent Colony Morphology and Adhesion. <i>Stem Cell Reports</i> , 2017, 9, 67-76.	2.3	59

#	ARTICLE	IF	CITATIONS
75	Alginate-gelatin encapsulation of human endothelial cells promoted angiogenesis in in vivo and in vitro milieu. <i>Biotechnology and Bioengineering</i> , 2017, 114, 2920-2930.	1.7	43
76	Use of Tethered Hydrogel Microcoatings for Mesenchymal Stem Cell Equilibrium, Differentiation, and Self-Organization into Microtissues. <i>Advanced Biology</i> , 2017, 1, e1700116.	3.0	3
77	A robust vitronectin-derived peptide for the scalable long-term expansion and neuronal differentiation of human pluripotent stem cell (hPSC)-derived neural progenitor cells (hNPCs). <i>Acta Biomaterialia</i> , 2017, 48, 120-130.	4.1	18
78	Cadherins Associate with Distinct Stem Cell-Related Transcription Factors to Coordinate the Maintenance of Stemness in Triple-Negative Breast Cancer. <i>Stem Cells International</i> , 2017, 2017, 1-13.	1.2	22
79	The secretome of adipose-derived mesenchymal stem cells protects SH-SY5Y cells from arsenic-induced toxicity, independent of a neuron-like differentiation mechanism. <i>NeuroToxicology</i> , 2018, 67, 54-64.	1.4	10
80	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.	1.1	13
81	Receptor control in mesenchymal stem cell engineering. <i>Nature Reviews Materials</i> , 2018, 3, .	23.3	96
82	Bioinformatics analysis to screen key genes implicated in the differentiation of induced pluripotent stem cells to hepatocytes. <i>Molecular Medicine Reports</i> , 2018, 17, 4351-4359.	1.1	5
83	Long-Term Maintenance of Human Pluripotent Stem Cells on cRGDFK-Presenting Synthetic Surfaces. <i>Scientific Reports</i> , 2018, 8, 701.	1.6	26
84	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.	1.7	19
85	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.	1.8	5
86	Key genes regulating the liposecretion process of mature adipocytes. <i>Journal of Cellular Physiology</i> , 2018, 233, 3784-3793.	2.0	19
87	The Impact of Adhesion Molecules on the In Vitro Culture and Differentiation of Stem Cells. <i>Biotechnology Journal</i> , 2018, 13, 1700575.	1.8	31
88	Assessment of the Influence of Acetic Acid Residue on Type I Collagen during Isolation and Characterization. <i>Materials</i> , 2018, 11, 2518.	1.3	18
89	TPX2 silencing mediated by joint action of microvesicles and ultrasonic radiation inhibits the migration and invasion of SKOV3 cells. <i>Molecular Medicine Reports</i> , 2018, 17, 7627-7635.	1.1	4
90	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.	0.8	3
91	Reprogramming mechanisms influence the maturation of hematopoietic progenitors from human pluripotent stem cells. <i>Cell Death and Disease</i> , 2018, 9, 1090.	2.7	6
92	A Rapid and Highly Efficient Method for the Isolation, Purification, and Passaging of Human-Induced Pluripotent Stem Cells. <i>Cellular Reprogramming</i> , 2018, 20, 282-288.	0.5	6

#	ARTICLE	IF	CITATIONS
93	Acoustic Tweezing Cytometry Induces Rapid Initiation of Human Embryonic Stem Cell Differentiation. <i>Scientific Reports</i> , 2018, 8, 12977.	1.6	20
94	Safety and Optimization of Metabolic Labeling of Endothelial Progenitor Cells for Tracking. <i>Scientific Reports</i> , 2018, 8, 13212.	1.6	18
95	3D heterogeneous islet organoid generation from human embryonic stem cells using a novel engineered hydrogel platform. <i>Biomaterials</i> , 2018, 177, 27-39.	5.7	110
96	Exosome-Mediated Small RNA Delivery: A Novel Therapeutic Approach for Inflammatory Lung Responses. <i>Molecular Therapy</i> , 2018, 26, 2119-2130.	3.7	136
97	Inhibition of GSK3 and MEK induced cancer stem cell generation via the Wnt and MEK signaling pathways. <i>Oncology Reports</i> , 2018, 40, 2005-2013.	1.2	7
98	Screening of perfused combinatorial 3D microenvironments for cell culture. <i>Acta Biomaterialia</i> , 2019, 96, 222-236.	4.1	8
99	The Complexities of Metastasis. <i>Cancers</i> , 2019, 11, 1575.	1.7	28
100	A Hyaluronan Hydrogel Scaffold for Culture of Human Oral Mucosal Epithelial Cells in Limbal Stem-Cell Therapy. <i>Bioengineering</i> , 2019, 6, 97.	1.6	5
101	In Vitro Monolayer Culture of Dispersed Neural Stem Cells on the E-Cadherin-Based Substrate with Long-Term Stemness Maintenance. <i>ACS Omega</i> , 2019, 4, 18136-18146.	1.6	13
102	Mesenchymal Stem Cells in the Adult Human Liver: Hype or Hope?. <i>Cells</i> , 2019, 8, 1127.	1.8	34
103	FOSB-PCDHB13 Axis Disrupts the Microtubule Network in Non-Small Cell Lung Cancer. <i>Cancers</i> , 2019, 11, 107.	1.7	17
104	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.	1.1	8
105	Effect of inoculum density on human-induced pluripotent stem cell expansion in 3D bioreactors. <i>Cell Proliferation</i> , 2019, 52, e12604.	2.4	14
106	Insulin Stimulates PI3K/AKT and Cell Adhesion to Promote the Survival of Individualized Human Embryonic Stem Cells. <i>Stem Cells</i> , 2019, 37, 1030-1041.	1.4	20
107	In Vitro Niches for the Culture of Pluripotent Stem Cells. , 2019, , .		0
108	Tuning intercellular adhesion with membrane-anchored oligonucleotides. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20190299.	1.5	6
109	Enhancement of human induced pluripotent stem cells adhesion through multilayer laminin coating. <i>Clinical Hemorheology and Microcirculation</i> , 2019, 70, 531-542.	0.9	2
110	Circulating Tumor Cell Clustering Shapes DNA Methylation to Enable Metastasis Seeding. <i>Cell</i> , 2019, 176, 98-112.e14.	13.5	578

#	ARTICLE	IF	CITATIONS
111	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.	1.1	14
112	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.	1.1	19
113	IGF2 enhanced the osteoâ€dentinogenic and neurogenic differentiation potentials of stem cells from apical papilla. <i>Journal of Oral Rehabilitation</i> , 2020, 47, 55-65.	1.3	11
114	Screening and identification of epithelial-to-mesenchymal transition-related circRNA and miRNA in prostate cancer. <i>Pathology Research and Practice</i> , 2020, 216, 152784.	1.0	33
115	<i>In Situ</i> Formation of Proangiogenic Mesenchymal Stem Cell Spheroids in Hyaluronic Acid/Alginate Coreâ€Shell Microcapsules. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 6938-6948.	2.6	12
116	LncRNA UCA1 maintains the lowâ€tumorigenic and nonmetastatic status by stabilizing Eâ€cadherin in primary prostate cancer cells. <i>Molecular Carcinogenesis</i> , 2020, 59, 1174-1187.	1.3	13
117	Cellulose Nanofibers for Encapsulation and Pluripotency Preservation in the Early Development of Embryonic Stem Cells. <i>Biomacromolecules</i> , 2020, 21, 4814-4822.	2.6	7
118	In Vitro and In Vivo Interspecies Chimera Assay Using Early Pig Embryos. <i>Cellular Reprogramming</i> , 2020, 22, 118-133.	0.5	5
119	Cold-hearted: A case for cold stress in cancer risk. <i>Journal of Thermal Biology</i> , 2020, 91, 102608.	1.1	16
120	The paradox of dipeptidyl peptidase IV inhibition in enterocytic differentiation and epithelial-mesenchymal transition in rat cholestatic sepsis. <i>Toxicology and Applied Pharmacology</i> , 2020, 394, 114956.	1.3	6
121	Scalable Generation of Mesenchymal Stem Cells and Adipocytes from Human Pluripotent Stem Cells. <i>Cells</i> , 2020, 9, 710.	1.8	12
122	Emerging Methods for Enhancing Pluripotent Stem Cell Expansion. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 70.	1.8	28
123	Engineered peptide modified hydrogel platform for propagation of human pluripotent stem cells. <i>Acta Biomaterialia</i> , 2020, 113, 228-239.	4.1	13
124	The in vivo genetic program of murine primordial lung epithelial progenitors. <i>Nature Communications</i> , 2020, 11, 635.	5.8	46
125	Bring along your friends: Homotypic and heterotypic circulating tumor cell clustering to accelerate metastasis. <i>Biomedical Journal</i> , 2020, 43, 18-23.	1.4	50
126	VE-cadherin-based matrix promoting the self-reconstruction of pro-vascularization microenvironments and endothelial differentiation of human mesenchymal stem cells. <i>Journal of Materials Chemistry B</i> , 2021, 9, 3357-3370.	2.9	6
127	The mechanobiology of adipocytes in the context of diabetes. , 2021, , 143-160.		0
128	Effect of Initial Seeding Density on Cell Behavior-Driven Epigenetic Memory and Preferential Lineage Differentiation of Human iPSCs. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
129	Sialylation of Stem Cells. , 2021, , 129-145.		0
130	Universal Peptide Hydrogel for Scalable Physiological Formation and Bioprinting of 3D Spheroids from Human Induced Pluripotent Stem Cells. <i>Advanced Functional Materials</i> , 2021, 31, 2104046.	7.8	13
131	Degradable RGD-Functionalized 3D-Printed Scaffold Promotes Osteogenesis. <i>Journal of Dental Research</i> , 2021, 100, 1109-1117.	2.5	8
132	A Zebrafish Model of Metastatic Colonization Pinpoints Cellular Mechanisms of Circulating Tumor Cell Extravasation. <i>Frontiers in Oncology</i> , 2021, 11, 641187.	1.3	6
133	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.	0.3	6
134	Conservation of Epithelial-to-Mesenchymal Transition Process in Neural Crest Cells and Metastatic Cancer. <i>Cells Tissues Organs</i> , 2021, 210, 151-172.	1.3	5
135	Xeno-free cultivation of human induced pluripotent stem cells for clinical applications. , 2021, , 309-341.		0
136	Quantitative evaluation of the impact of artificial cell adhesion via DNA hybridization on E-cadherin-mediated cell adhesion. <i>APL Bioengineering</i> , 2020, 4, 016103.	3.3	8
137	CBARA1 Plays a Role in Stemness and Proliferation of Human Embryonic Stem Cells. <i>PLoS ONE</i> , 2013, 8, e63653.	1.1	6
138	The Drosophila gonads: models for stem cell proliferation, self-renewal, and differentiation. <i>AIMS Genetics</i> , 2014, 01, 055-080.	1.9	5
139	Circulating tumor cells and epithelial, mesenchymal and stemness markers: characterization of cell subpopulations. <i>Annals of Translational Medicine</i> , 2014, 2, 109.	0.7	84
140	Developments in cell culture systems for human pluripotent stem cells. <i>World Journal of Stem Cells</i> , 2019, 11, 968-981.	1.3	12
141	Spatiotemporal mosaic self-patterning of pluripotent stem cells using CRISPR interference. <i>ELife</i> , 2018, 7, .	2.8	27
142	A New Induction Method for the Controlled Differentiation of Human-Induced Pluripotent Stem Cells Using Frozen Sections. <i>Cells</i> , 2021, 10, 2827.	1.8	2
145	Naturwissenschaftliche Grundlagen im Kontext einer klinischen Anwendung von humanen induzierten pluripotenten Stammzellen. <i>Veröffentlichungen Des Instituts Für Deutsches, Europäisches Und Internationales Medizinrecht, Gesundheitsrecht Und Bioethik Der Universitäten Heidelberg Und Mannheim</i> , 2020, , 19-127.	0.2	4
147	Injectable xyloglucan hydrogels incorporating spheroids of adipose stem cells for bone and cartilage regeneration. <i>Materials Science and Engineering C</i> , 2021, 131, 112545.	3.8	12
148	Neural Commitment of Embryonic Stem Cells through the Formation of Embryoid Bodies (EBs). <i>The Malaysian Journal of Medical Sciences</i> , 2014, 21, 8-16.	0.3	8
149	E-cadherin maintains the activity of neural stem cells and inhibits the migration. <i>International Journal of Clinical and Experimental Pathology</i> , 2015, 8, 14247-51.	0.5	11

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150	Nucleus-cytoskeleton communication impacts on OCT4-chromatin interactions in embryonic stem cells. <i>BMC Biology</i> , 2022, 20, 6.	1.7	10
151	Translational and post-translational control of human naïve versus primed pluripotency. <i>IScience</i> , 2022, 25, 103645.	1.9	6
152	Design of chemically defined synthetic substrate surfaces for the in vitro maintenance of human pluripotent stem cells: A review. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2022, 110, 1968-1990.	1.6	7
153	A chemically-defined plastic scaffold for the xeno-free production of human pluripotent stem cells. <i>Scientific Reports</i> , 2022, 12, 2516.	1.6	6
154	Home Away From Home: Bioengineering Advancements to Mimic the Developmental and Adult Stem Cell Niche. <i>Frontiers in Chemical Engineering</i> , 2022, 4, .	1.3	1
155	CNA Profiling of Single CTCs in Locally Advanced Esophageal Cancer Patients during Therapy Highlights Unexplored Molecular Pathways. <i>Cancers</i> , 2021, 13, 6369.	1.7	2
156	Rapid and Highly Efficient Isolation and Purification of Human Induced Pluripotent Stem Cells. <i>Methods in Molecular Biology</i> , 2022, 2429, 3-14.	0.4	1
157	Dextran sulfate prevents excess aggregation of human pluripotent stem cells in 3D culture by inhibiting ICAM1 expression coupled with down-regulating E-cadherin through activating the Wnt signaling pathway. <i>Stem Cell Research and Therapy</i> , 2022, 13, .	2.4	3
158	Development and evaluation of a novel xeno-free culture medium for human-induced pluripotent stem cells. <i>Stem Cell Research and Therapy</i> , 2022, 13, .	2.4	9
159	Droplet Microarray Based Screening Identifies Proteins for Maintaining Pluripotency of hiPSCs. <i>Advanced Healthcare Materials</i> , 2022, 11, .	3.9	2
160	Heparinized Gelatin-Based Hydrogels for Differentiation of Induced Pluripotent Stem Cells. <i>Biomacromolecules</i> , 2022, 23, 4141-4152.	2.6	7
161	Mechanisms associated with t(7;12) acute myeloid leukaemia: from genetics to potential treatment targets. <i>Bioscience Reports</i> , 2023, 43, .	1.1	5
162	Protein Kinase C Modulation Determines the Mesoderm/Extraembryonic Fate Under BMP4 Induction From Human Pluripotent Stem Cells. <i>Stem Cells</i> , 2023, 41, 578-591.	1.4	2
163	Bioactive peptides for boosting stem cell culture platform: Methods and applications. <i>Biomedicine and Pharmacotherapy</i> , 2023, 160, 114376.	2.5	7
164	Enhanced Cell Penetration and Pluripotency Maintenance of hiPSCs in 3D Natural Chitosan Scaffolds. <i>Macromolecular Bioscience</i> , 2023, 23, .	2.1	0
165	Structure and Function of the H19 Long Non-coding RNA in Cancer. , 2023, , .		0
166	Advanced Hydrogel for Physiological 3D Colonies of Pluripotent Stem Cells. <i>Biochemistry</i> , 0, , .	0.8	0