

Collected Papers for “Cellmatrix” (10 papers in each year)

2020 ~

2023

	Journal	Vol (No)	Page	Year	First Author	Title
1	Anal Sci	39 (6)	771	2023	Bessho T.	Gelatin-based cell culture device for construction and X-ray irradiation of a three-dimensional oral cancer model
2	J Biosci Bioeng	136 (5)	407	2023	Kaneko M.	Expansion of human mesenchymal stem cells on poly (vinyl alcohol) microcarriers
3	Adv Exp Mech	8	94	2023	Morita Y.	Epithelial–mesenchymal Transition of HeLa Cells Increases Traction Force to the ECM in 3D Collagen Gel
4	Biomater Sci	11 (8)	2860	2023	Nakano S.	Phenotypic and transcriptional characterization of oligodendrocyte precursor cells in a 3D culture
5	Sci Rep	13 (1)	4847	2023	Kageyama T.	In vitro hair follicle growth model for drug testing
6	J Dent Sci	18 (2)	893	2023	Kurosawa Y.	Butyrate-treatment induces gingival epithelial cell death in a three-dimensional gingival-connective tissue hybrid co-culture system
7	J Cancer Res Clin Oncol	149 (8)	5309	2023	Kondo R.	Cancer-associated fibroblast-dependent and -independent invasion of gastric cancer cells
8	Sci Rep	13 (1)	1094	2023	Kawai S.	3D osteogenic differentiation of human iPSCs reveals the role of TGFβ signal in the transition from progenitors to osteoblasts and osteoblasts to osteocytes
9	Cancer Sci	114 (8)	3259	2023	Morimoto T.	Novel and efficient method for culturing patient - derived gastric cancer stem cells
10	J Biosci Bioeng	135 (1)	79	2023	Sugiura S.	Perfusion culture of endothelial cells under shear stress on microporous membrane in a pressure-driven microphysiological system

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	Journal	Vol (No)	Page	Year	First Author	Title
1	J Vet Med Sci	84(6)	784-791	2022	Kudo A.	Biological features of canine cancer-associated fibroblasts and their influence on cancer cell invasion
2	Gels	8(5)	312	2022	Sakai Y.	Promotion of Cyst Formation from a Renal Stem Cell Line Using Organ-Specific Extracellular Matrix Gel Format Culture System
3	J Biomed Mater Res A	110(12)	1964-1975	2022	Ito Y.	Induction of angiogenesis and neural progenitor cells by basic fibroblast growth factor - releasing polyglycolic acid sheet following focal cerebral infarction in mice
4	Sci Rep	12(1)	20269	2022	Ishida-Ishihara S.	Improvement of the cell viability of hepatocytes cultured in three-dimensional collagen gels using pump-free perfusion driven by water level difference
5	FEBS J	289(23)	7466-7485	2022	Tentaku A.	Proximal deposition of collagen IV by fibroblasts contributes to basement membrane formation by colon epithelial cells in vitro
6	Acta Biomater	148	345-354	2022	Yasunaga M.	The enhancing effects of heparin on the biological activity of FGF-2 in heparin– FGF-2– calcium phosphate composite layers
7	Inflam Regen	42(1)	49	2022	Kobayashi S.	Collagen type I-mediated mechanotransduction controls epithelial cell fate conversion during intestinal inflammation
8	Front Oncol	12	893592	2022	Wakamatsu T.	Establishment of organoids from human epithelioid sarcoma with the air-liquid interface organoid cultures
9	Biochem Biophys Res Comm	622	79-85	2022	Kim J.	Effect of chemically induced osteogenesis supplements on multicellular behavior of osteocytic spheroids
10	Biomedicines	10(11)	2691	2022	Nohira N.	Myogenetic Oligodeoxynucleotides as Anti-Nucleolin Aptamers Inhibit the Growth of Embryonal Rhabdomyosarcoma Cells

2021

	Journal	Vol (No)	Page	Year	First Author	Title
1	Biomater Sci	5,9(1)	199	2021	Pauty J.	A 3D tissue model-on-a-chip for studying the effects of human senescent fibroblasts on blood vessels
2	Biomater Sci	15,9(12)	4448	2021	Takahashi H.	3D in vitro co-culture disc for spatiotemporal image analysis of cancer–stromal cell interaction
3	Antioxidants	8,10(1)	76	2021	Xiao L.	Hydrogen-Generating Silica Material Prevents UVA-Ray-Induced Cellular Oxidative Stress, Cell Death, Collagen Loss and Melanogenesis in Human Cells and 3D Skin Equivalents
4	Mol Cancer Res	19(7)	1208	2021	Kojima M.	Aberrant Claudin-6-Adhesion Signaling Promotes Endometrial Cancer Progression via Estrogen Receptor α
5	J Lipid Res	62	100100	2021	Horibata Y.	Differential contributions of choline phosphotransferases CPT1 and CEPT1 to the biosynthesis of choline phospholipids
6	J Control Release	338	792	2021	Uno A.	A novel β-glucan–oligonucleotide complex selectively delivers siRNA to APCs via Dectin-1
7	Oncogene	40(12)	2273	2021	Yamaguchi J.	Premalignant pancreatic cells seed stealth metastasis in distant organs in mice
8	J Pathol	254(1)	46	2021	Nagase K.	Cellular and physical microenvironments regulate the aggressiveness and sunitinib chemosensitivity of clear cell renal cell carcinoma
9	Sens Actuators B Chem	348,1		2021	Morimoto Y.	Microfluidic system for applying shear flow to endothelial cells on culture insert with collagen vitrigel membrane
10	Theranostics	11(14)	6786	2021	Choi S.	N-cadherin mediates the migration of bone marrow-derived mesenchymal stem cells toward breast tumor cells

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1	Nature Communications	11(1)	1631	2020	Hattori Y.	Transient microglial absence assists postmigratory cortical neurons in proper differentiation
2	Nature Communications	11(1)	3571	2020	Tsukamoto K.	The Bartonella autotransporter BafA activates the host VEGF pathway to drive angiogenesis
3	Communications Biology	3(1)	132	2020	Sato N.	The COX-2/PGE2 pathway suppresses apical elimination of RasV12-transformed cells from epithelia
4	Stem Cell Res Ther	11(1)	267	2020	Mochizuki M.	Type I collagen facilitates safe and reliable expansion of human dental pulp stem cells in xenogeneic serum-free culture
5	Neuroscience Research	163	43	2020	Hoshino T.	6-Deoxyjacareubin, a natural compound preventing hypoxia-induced cell death, ameliorates neurodegeneration in a mouse model of familial amyotrophic lateral sclerosis
6	Exp Mol Med	52(7)	1152	2020	Kim JY,	Zeb1 for RCP-induced oral cancer cell invasion and its suppression by resveratrol
7	Carcinogenesis	41 (11)	1543	2020	Takahashi K.	Sox2 induces tumorigenesis and angiogenesis of early-stage esophageal squamous cell carcinoma through secretion of Suprabasin
8	Scientific Reports	10 (1)	216	2020	Suzuki M.	Hyaluronan suppresses enhanced cathepsin K expression via activation of NF-κB with mechanical stress loading in a human chondrocytic HCS-2/8 cells
9	Scientific Reports	10 (1)	1656	2020	Raju R.	Three-dimensional periodontal tissue regeneration using a bone-ligament complex cell sheet
10	Current Biology	30(4)	670	2020	Takeuchi Y.	Calcium Wave Promotes Cell Extrusion