Collected Papers for "Cellmatrix" (10 papers in each year)

2010 ~ 2019

Journal	Vol (No)	Page	Year First Author	Title
1 Bone	103	56	2019 Sakamoto M.	Vibration enhances osteoclastogenesis by inducing RANKL expression via NF-kB signaling in osteocytes.
2 Nature Communications	10 (5446)	558	2019 Kobayashi S.	Enhanced lysosomal degradation maintains the quiescent state of neural stem cells.
3 Scientific Reports	9 (20056)		2019 Hirakawa T.	β-catenin signaling inhibitors ICG-001 and C-82 improve fibrosis in preclinical models of endometriosis.
4 Biomaterials	197	305	2019 Usuba R.	EGFL7 regulates sprouting angiogenesis and endothelial integrity in a human blood vessel model.
5 Cancers	11 (5)	604	2019 Sato Y.	High Mannose Binding Lectin (PFL) from Pseudomonas fluorescens Down-Regulates Cancer-Associated Integrins and Immune Checkpoint Ligand B7-H4.
6 Biomaterials Science	7	3460	2019 Tan A.	Probing cell-nanoparticle (cubosome) interactions at the endothelial interface: do tissue dimension and flow matter?
7 Molecular Oncology	13	1706	2019 Akatsu Y.	Fibroblast growth factor signals regulate transforming growth factor-b-induced endothelial-to-myofibroblast transition of tumor endothelial cells via Elk1.
8 Carbohydrate Polymers	214	303	2019 Li W.	Anti-obesity effects of chondroitin sulfate oligosaccharides from the skate Raja pulchra.
9 Nat Protocols	14	1323	2019 Toyoshima K.	Regeneration of a bioengineered 3D integumentary organ system from iPS cells.
10 Materialstoday Chemistry	13	8	2019 Ishikawa Y.	Cellular morphologies, motility, and epithelial-mesenchymal transition of breast cancer cells incubated on viscoelastic gel substrates in hypoxia.

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1 Nature	561 (7722)	243	2018 Kurita M.	In vivo reprogramming of wound-resident cells generates skin epithelial tissue.
2 Nature Communications	9	4695	2018 Anton KA, et al	Src-transformed cells hijack mitosis to extrude from the epithelium.
3 Biomaterials	161	24	2018 Takayama K.	Enrichment of high-functioning human iPS cell-derived hepatocyte-like cells for pharmaceutical research.
4 Science advances	4 (10)	eaat5847	2018 Osaki T.	Microphysiological 3D model of amyotrophic lateral sclerosis (ALS) from human iPS-derived muscle cells and optogenetic motor neurons.
5 Scientific Reports	8	10071	2018 Kimura H.	Stem cells purified from human induced pluripotent stem cell-derived neural crest-like cells promote peripheral nerve regeneration.
6 Scientific Reports	8	9229	2018 Fukuda T.	Expression of human mutant cyclin dependent kinase 4, Cyclin D and telomerase extends the life span but does not immortalize fibroblasts derived from loggerhead sea turtle (Caretta caretta).
7 Colloid and Surfaces A	546	136	2018 Peanparkdee M.	Stability of bioactive compounds from Thai Riceberry bran extract encapsulated within gelatin matrix during in vitro gastrointestinal digestion.
8 EBioMedicine	27	225	2018 Pauty J.	A Vascular Endothelial Growth Factor-Dependent Sprouting Angiogenesis Assay Based on an In Vitro Human Blood Vessel Model for the Study of Anti-Angiogenic Drugs.
9 Gastric Cancer	21 (6)	946	2018 Akutagawa T.	Cancer-adipose tissue interaction and fluid flow synergistically modulate cell kinetics, HER2 expression, and trastuzumab efficacy in gastric cancer.
10 Sensors & Actuators: B	273	1062	2018 Matsumoto S.	Integration of an oxygen sensor into a polydymethylsiloxane hepatic culture device for two-dimensional gradient characterization.

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1 Nature Cell Biology	19	530	2017 Kon S.	Cell competition with normal epithelial cells promotes apical extrusion of transformed cells through metabolic changes.
2 Nature Communications	44 (2)	140	2017 Ohno Y.	PNPLA1 is a transacylase essential for the generation of the skin barrier lipid ω-O-acylceramidecollagen.
3 PNAS	114 (12)	e2476	2017 Enoki R.	Synchronous circadian voltage rhythms with asynchronous calcium rhythms in the suprachiasmatic nucleus.
4 Acta Biomaterialia	48	489	2017 Wang Z.	TiAl 6 V 4 particles promote osteoclast formation via autophagy-mediated downregulation of interferon-beta in osteocytes.
5 Oncotarget	8 (38)	63258	2017 Huan B.	Effect of wound fluid on chemotherapy sensitivity of T24 bladder cancer cells with different enhancer of zeste homolog 2 status.
6 Scientific Reports	7	42426	2017 Takahashi H.	Visualizing dynamics of angiogenic sprouting from a three-dimensional microvasculature model using stage-top optical coherence tomography.
7 Tissue Engineering Part C	23 (6)	357	2017 Tsukamoto Y.	Fabrication of Orientation-Controlled 3D Tissues Using a Layer-by-Layer Technique and 3D Printed a Thermoresponsive Gel Frame.
8 Tissue Engineering Part C	23 (7)	396	2017 Han H.	Development of In Vitro Embryo Production System Using Collagen Matrix Gel Attached with Vascular Endothelial Growth Factor Derived from Interleukin-1 Beta-Treated Porcine Endometrial Tissue.
9 Cellular Physiology	233 (1)	201	2017 Dunon M. J.	$Transforming\ growth\ factor\ \beta\ induces\ bone\ marrow\ mesenchymal\ stem\ cell\ migration\ via\ noncanonical\ signals\ and\ N-cadherin.$
10 Scientific Reports	7	41733	2017 Enoki R.	Dual origins of the intracellular circadian calcium rhythm in the suprachiasmatic nucleus.

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1 Nat Biotechnol	34 (7)	752	2016	Quarta M.	An artificial niche preserves the quiescence of muscle stem cells and enhances their therapeutic efficacy.
2 Science Advances	2 (4)	e1500887	2016	Takagi R.	Bioengineering a 3D integumentary organ system from iPScells using an in vivo transplantation model.
3 Nature Communications	7	11349	2016	Okamoto M.	Cell-cycle-independent transitions in temporal identity of mammalian neural progenitor cells.
4 Scientific Reports	6	22071	2016	Tanimoto R.	Detection of Temperature Difference in Neuronal Cells.
5 Scientific Reports	6	28383	2016	Chiba T.	MDCK cells expressing constitutively active Yes-associated protein (YAP) undergo apical extrusion depending on neighboring cell status.
6 Proc Natl Acad Sci USA	113 (1)	E71	2016	Nishio M.	Dysregulated YAP1/TAZ and TGF-β signaling mediatehepatocarcinogenesis in Mob1a/1b-deficient mice.
7 Oncogenesis	4	e181	2016	Kamino H.	Mieap-regulated mitochondrial quality control is frequentlyinactivated in human colorectal cancer.
8 Nucleic Acids Res	44 (11)	5105	2016	Yamamoto N.	Bidirectional promoters link cAMP signaling with irreversibledifferentiation through promoter-associated non-coding RNA (pancRNA) expression in PC12 cells.
9 PLoS One	11 (8)	e0162049	2016	Matsumoto T.	Retinol Promotes In Vitro Growth of Proximal Colon Organoids through a Retinoic Acid-Independent Mechanism.
10 Tissue Engineering Part C	22 (1)	20	2016	Yamazoe H.	Multicomponent Coculture System of Cancer Cells and Two Types of Stromal Cells for In Vitro Evaluation of Anticancer Drugs.

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1 Nat Biotechnol	33 (8)	853	2015 Ogawa M.	Directed differentiation of cholangiocytes from human pluripotent stem cells.
2 Nature Communications	6	6373	2015 Ito K.	Artificial human Met agonists based on macrocycle scaffolds.
3 Nature Communications	6	8021	2015 Ishii T.	Light generation of intracellular Ca(2+) signals by a genetically encoded protein BACCS.
4 Scientific Reports	5	7656	2015 Yamaguchi N.	Leader cells regulate collective cell migration via Rac activation in the downstream signaling of integrin β1 and Pl3K.
5 Biomaterials	72	29	2015 Aya R.	Regeneration of elastic fibers by three-dimensional culture on a collagen scaffold and the addition of latent TGF-β binding protein 4 to improve elastic matrix deposition.
6 Biomaterials	51	278	2015 Yoshii Y.	High-throughput screening with nanoimprinting 3D culture for efficient drug developmenty mimicking the tumor environment.
7 J Biol Chem	290 (10)	6086	2015 Aki S.	Phosphatidylinositol 3-kinase class II α-isoform PI3K-C2α is required for transformin"g growth factor α-induced Smad signaling in endothelial cells.
8 FEBS Open Bio	4	229	2015 Mitsuda S.	Ursolic acid, a natural pentacyclic triterpenoid, inhibits intracellular trafficking of proteins and inducesaccumulation of intercellular adhesion molecule-1 linked to high-mannose-type glycans in the endoplasmic reticulum.
9 Oncogene	34 (24)	3176	2015 Satoyoshi R.	Tks5 activation in mesothelial cells creates invasion front of peritoneal carcinomatosis.
10 Acta Riomaterialia	11	449	2015 Kang Y	Engineering a vascularized collagen-8-tricalcium phosphate graft using an electrochemical approach

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1 PLoS One	9 (1)	85132	2014 Ehashi T.	Comprehensive genetic analysis of early host body reactions to the bioactive and bio-inert porous scaffolds.
2 Stem Cell Reports	2 (2)	205	2014 Kamao H.	Characterization of human induced pluripotent stem cell-derived retinal pigment epithelium cell sheets aiming for clinical application.
3 Integr Biol (Camb)	6 (2)	127	2014 DiMarco RL.	Engineering of three-dimensional microenvironments to promote contractile behavior in primary intestinal organoids.
4 PLoS One	9 (1)	86186	2014 Tonosaki M.	L1cam Is Crucial for Cell Locomotion and Terminal Translocation of the Soma in Radial Migration during Murine Corticogenesis.
5 Biomaterials	35 (7)	2172	2014 Jiang N.	Postnatal epithelium and mesenchyme stem/progenitor cells in bioengineered amelogenesis and dentinogenesis
6 Proc Natl Acad Sci USA	11 (47)	16772	2014 Takayama K.	Prediction of interindividual differences in hepatic functions and drug sensitivity by using human iPS-derived hepatocytes.
7 Stem Cells	32 (12)	3266	2014 Asai S.	Tendon progenitor cells in injured tendons have strong chondrogenic potential: the CD105-negative subpopulation induces chondrogenic degeneration.
8 J Biol Chem	289 (16)	11545	2014 Hayashida C.	Osteocytes produce interferon-β as a negative regulator of osteoclastogenesis.
9 Scientific Reports	4	4867	2014 Yajima-Himuro S	. The junctional epithelium originates from the odontogenic epithelium of an erupted tooth.
10 Scientific Reports	4	4568	2014 Yuki K.	E-cadherin-downregulation and RECK-upregulation are coupled in the non-malignant epithelial cell line MCF10A but not in multiple carcinoma-derived cell lines.

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1 Scientific Reports	3	1418	2013 Kito T.	iPS cell sheets created by a novel magnetite tissue engineering method for reparative angiogenesis.
2 Scientific Reports	3	1144	2013 Nagai H.	Metamorphosis of mesothelial cells with active horizontal motility in tissue culture.
3 Scientific Reports	342 (6163)	1203	2013 Imayoshi I.	Oscillatory control of factors determining multipotency and fate in mouse neural progenitors.
4 Proc Natl Acad Sci USA	110 (8)	2852	2013 Noda K.	Latent TGF-{beta} binding protein 4 promotes elastic fiber assembly by interacting with fibulin-5.
5 Cell Struct Funct	38 (2)	227	2013 Toki F.	Second Harmonic Generation Reveals Collagen Fibril Remodeling in Fibroblast-populated Collagen Gels.
6 PLoS One	8 (8)	66751	2013 Ding T.	Knockdown a water channel protein, aquaporin-4, induced glioblastoma cell apoptosis.
7 PLoS One	8 (8)	71252	2013 Koriyama Y.	Requirement of retinoic acid receptor β for genipin derivative-induced optic nerve regeneration in adult rat retina.
8 PLoS One	8 (10)	78061	2013 Kim A.	Aqueous extract of Bambusae Caulis in Taeniam inhibits PMA-induced tumor cell invasion and pulmonary metastasis: suppression of NF-kB activation through ROS signaling.
9 J Biol Chem	288	19958	2013 Tashiro E.	Prefoldin Protects Neuronal Cells from Polyglutamine Toxicity by Preventing Aggregation Formation.
10 J Biol Chem	288	35126	2013 Woskowicz AM.	MT-LOOP-dependent Localization of Membrane Type I Matrix Metalloproteinase (MT1-MMP) to the Cell Adhesion Complexes Promotes Cancer Cell Invasion.

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1 Proc Natl Acad Sci USA	109 (41)	16449	2012 Harris AR.	Characterizing the mechanics of cultured cell monolayers.
2 Proc Natl Acad Sci USA	109 (52)	21498	2012 Enoki R.	Topological specificity and hierarchical network of the circadian calcium rhythm in the suprachiasmatic nucleus.
3 Proc Natl Acad Sci USA	109 (52)	21426	2012 Lipinski S.	RNAi screening identifies mediators of NOD2 signaling: implications for spatial specificity of MDP recognition.
4 J Invest Dermatol	132 (7)	1775	2012 Ishitsuka Y.	Pituitary tumor-transforming gene 1 enhances proliferation and suppresses early differentiation of keratinocytes.
5 Nature Neuroscience	15 (9)	1201	2012 Yang YT.	DOCK7 interacts with TACC3 to regulate interkinetic nuclear migration and cortical neurogenesis.
6 Journal of Cell Science	125 (24)	6127	2012 Hashimoto T.	Active involvement of micro-lipid droplets and lipid-droplet-associated proteins in hormone-stimulated lipolysis in adipocytes.
7 Tissue Engineering Part A	18 (15-16)	1677	2012 Wen Y.	Application of induced pluripotent stem cells in generation of a tissue-engineered tooth-like structure.
8 Langmuir	28 (9)	4404	2012 Ogawa Y.	Helical assembly of azobenzene-conjugated carbohydrate hydrogelators with specific affinity for lectins.
9 FEBS Journal	279 (10)	1857	2012 Ishii S.	The response of PKD1L3/PKD2L1 to acid stimuli is inhibited by capsaicin and its pungent analogs.
10 Neuron	73 (5)	911	2012 Cappello S.	A radial glia-specific role of RhoA in double cortex formation.

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1 Proc Natl Acad Sci USA	108 (15)	6235	2011 Kondo J.	Retaining cell-cell contact enables preparation and culture of spheroids composed of pure primary cancer cells from colorectal cancer.
2 J Biol Chem	286 (4)	3094	2011 Sugita A.	Cellular ATP Synthesis Mediated by Type III Sodium-dependent Phosphate Transporter Pit-1 Is Critical to Chondrogenesis.
3 J Biol Chem	286 (20)	17536	2011 Nishitsuji K.	Apolipoprotein E Regulates the Integrity of Tight Junctions in an Isoform-dependent Manner in an in Vitro Blood-Brain Barrier Model.
4 J Biol Chem	286 (14)	1524	2011 Sato Y.	Cellular Hypoxia of Pancreatic β-Cells Due to High Levels of Oxygen Consumption for Insulin Secretion in Vitro.
5 J Biol Chem	286 (10)	8055	2011 Zhang J.	Angiopoietin-1/Tie2 Signal Augments Basal Notch Signal Controlling Vascular Quiescence by Inducing Delta-Like 4 Expression through AKT-mediated Activation of β-Catenin.
6 J Biol Chem	286 (44)	38602	2011 Saito M.	ADAMTSL6β Protein Rescues Fibrillin-1 Microfibril Disorder in a Marfan Syndrome Mouse Model through the Promotion of Fibrillin-1 Assembly.
7 J Biol Chem	286 (9)	7587	2011 Tochowicz A.	The Dimer Interface of the Membrane Type 1 Matrix Metalloproteinase Hemopexin Domain: Crystal Structure and Biological Functions.
8 Tissue Engineering Part A	17 (5-6)	597	2011 Tachi K.	Enhancement of Bone Morphogenetic Protein-2-Induced Ectopic Bone Formation by Transforming Growth Factor-β1.
9 The EMBO Journal	30 (4)	783	2011 Shirakihara T.	TGF-β regulates isoform switching of FGF receptors and epithelial–mesenchymal transition.
10 PLoS One	6 (7)	21531	2011 Oshima M.	Functional Tooth Regeneration Using a Bioengineered Tooth Unit as a Mature Organ Replacement Regenerative Therapy.

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1 Proc Natl Acad Sci USA	107 (10)	4601	2010 Umezu T.	Follistatin-like-1, a diffusible mesenchymal factor determines the fate of epithelium.
2 J Biol Chem	285 (47)	36745	2010 Adapala NS.	The Loss of Cbl-Phosphatidylinositol 3-Kinase Interaction Perturbs RANKL-mediated Signaling, Inhibiting Bone Resorption and Promoting Osteoclast Survival.
3 J Biol Chem	285 (43)	33540	2010 Kamioka Y.	Multiple Decisive Phosphorylation Sites for the Negative Feedback Regulation of SOS1 via ERK.
4 J Biol Chem	285 (37)	28826	2010 Hoshino A.	Deficiency of Chemokine Receptor CCR1 Causes Osteopenia Due to Impaired Functions of Osteoclasts and Osteoblasts.
5 Tissue Engineering Part C	16 (2)	311	2010 Evenou F.	Spontaneous Formation of Highly Functional Three-Dimensional Multilayer from Human Hepatoma Hep G2 Cells Cultured on an Oxygen-Permeable Polydimethylsiloxane Membrane.
6 J Biol Chem	285 (36)	28286	2010 Fujihara C.	Role of Mechanical Stress-induced Glutamate Signaling-associated Molecules in Cytodifferentiation of Periodontal Ligament Cells.
7 J Biol Chem	285 (31)	23581	2010 Okada S.	Bach1-dependent and -independent Regulation of Heme Oxygenase-1 in Keratinocytes.
8 J Biol Chem	285 (27)	21013	2010 Nagano M.	ZF21 Protein Regulates Cell Adhesion and Motility.
9 J Biol Chem	285 (10)	7818	2010 Matsunaga-U. R.	The Scaffold Protein Shoc2/SUR-8 Accelerates the Interaction of Ras and Raf.
10 J Invest Dermatol	131 (1)	37	2010 Taguchi S.	Overexpression of the Transcription Factor Yin-Yang-1 Suppresses Differentiation of HaCaT Cells in Three-Dimensional Cell Culture.