

Toshihiro Mitaka

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136
papers

3,094
citations

34
h-index

49
g-index

140
ext. papers

3,292
ext. citations

5.1
avg. IF

4.79
L-index

#	Paper	IF	Citations
136	Reconstruction of hepatic organoid by rat small hepatocytes and hepatic nonparenchymal cells. <i>Hepatology</i> , 1999 , 29, 111-25	11.2	194
135	Cell adhesion kinase beta forms a complex with a new member, Hic-5, of proteins localized at focal adhesions. <i>Journal of Biological Chemistry</i> , 1998 , 273, 1003-14	5.4	112
134	Small cell colonies appear in the primary culture of adult rat hepatocytes in the presence of nicotinamide and epidermal growth factor. <i>Hepatology</i> , 1992 , 16, 440-7	11.2	100
133	Multiple cell cycles occur in rat hepatocytes cultured in the presence of nicotinamide and epidermal growth factor. <i>Hepatology</i> , 1991 , 13, 21-30	11.2	83
132	The current status of primary hepatocyte culture. <i>International Journal of Experimental Pathology</i> , 1998 , 79, 393-409	2.8	81
131	Growth and maturation of small hepatocytes isolated from adult rat liver. <i>Biochemical and Biophysical Research Communications</i> , 1995 , 214, 310-7	3.4	77
130	Sry HMG box protein 9-positive (Sox9+) epithelial cell adhesion molecule-negative (EpCAM-) biphenotypic cells derived from hepatocytes are involved in mouse liver regeneration. <i>Journal of Biological Chemistry</i> , 2014 , 289, 7589-98	5.4	75
129	Grainyhead-like 2 regulates epithelial morphogenesis by establishing functional tight junctions through the organization of a molecular network among claudin3, claudin4, and Rab25. <i>Molecular Biology of the Cell</i> , 2012 , 23, 2845-55	3.5	69
128	Enhanced proliferation and differentiation of rat hepatocytes cultured with bone marrow stromal cells. <i>Journal of Cellular Physiology</i> , 2001 , 189, 106-19	7	66
127	In vitro induction of adult hepatic progenitor cells into insulin-producing cells. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 318, 625-30	3.4	59
126	Expression of CD44 in rat hepatic progenitor cells. <i>Journal of Hepatology</i> , 2006 , 45, 90-8	13.4	57
125	Alteration of expression of liver-enriched transcription factors in the transition between growth and differentiation of primary cultured rat hepatocytes. <i>Journal of Cellular Physiology</i> , 1998 , 174, 273-84	7	54
124	Reconstruction of 3D stacked-up structures by rat small hepatocytes on microporous membranes. <i>FASEB Journal</i> , 2005 , 19, 1695-7	0.9	54
123	The LG1-3 tandem of laminin alpha5 harbors the binding sites of Lutheran/basal cell adhesion molecule and alpha3beta1/alpha6beta1 integrins. <i>Journal of Biological Chemistry</i> , 2007 , 282, 14853-60	5.4	53
122	Long-term culture of primary human hepatocytes with preservation of proliferative capacity and differentiated functions. <i>Journal of Surgical Research</i> , 2002 , 106, 115-23	2.5	53
121	α 1- and β -containing laminins regulate the development of bile ducts via α 1 integrin signals. <i>Journal of Biological Chemistry</i> , 2012 , 287, 28586-97	5.4	50
120	Different changes in expression and function of connexin 26 and connexin 32 during DNA synthesis and redifferentiation in primary rat hepatocytes using a DMSO culture system. <i>Hepatology</i> , 1997 , 26, 585-597	11.2	47

119	Selective proliferation of rat hepatocyte progenitor cells in serum-free culture. <i>Nature Protocols</i> , 2007 , 2, 1197-205	18.8	47
118	Morphological changes induced by extracellular matrix are correlated with maturation of rat small hepatocytes. <i>Journal of Cellular Biochemistry</i> , 2002 , 87, 16-28	4.7	47
117	BAG-1 accelerates cell motility of human gastric cancer cells. <i>Oncogene</i> , 1999 , 18, 3244-51	9.2	46
116	Reappearance and long-term maintenance of connexin32 in proliferated adult rat hepatocytes: use of serum-free L-15 medium supplemented with EGF and DMSO. <i>Journal of Cell Science</i> , 1995 , 108, 1347-1357	5.3	43
115	Hepatic stellate cell-mediated three-dimensional hepatocyte and endothelial cell triculture model. <i>Tissue Engineering - Part A</i> , 2011 , 17, 361-70	3.9	42
114	Hepatic stem cells: from bone marrow cells to hepatocytes. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 281, 1-5	3.4	40
113	Intrahepatic bile ducts are developed through formation of homogeneous continuous luminal network and its dynamic rearrangement in mice. <i>Hepatology</i> , 2016 , 64, 175-88	11.2	39
112	Reconstruction of 3D stacked hepatocyte tissues using degradable, microporous poly(d,l-lactide-co-glycolide) membranes. <i>Biomaterials</i> , 2012 , 33, 2693-700	15.6	39
111	Laminin alpha 5 mediates ectopic adhesion of hepatocellular carcinoma through integrins and/or Lutheran/basal cell adhesion molecule. <i>Experimental Cell Research</i> , 2008 , 314, 2579-90	4.2	39
110	Growth and maturation of small hepatocytes. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 1998 , 13, S70-S77	4	39
109	Hepatic biliary epithelial cells acquire epithelial integrity but lose plasticity to differentiate into hepatocytes in vitro during development. <i>Journal of Cell Science</i> , 2013 , 126, 5239-46	5.3	38
108	Effects of melatonin on proliferation, oxidative stress and Cx32 gap junction protein expression in primary cultures of adult rat hepatocytes. <i>Cell Structure and Function</i> , 1997 , 22, 347-56	2.2	38
107	Induction and regulation of connexin26 by glucagon in primary cultures of adult rat hepatocytes. <i>Journal of Cell Science</i> , 1995 , 108, 2771-2780	5.3	38
106	Re-evaluation of liver stem/progenitor cells. <i>Organogenesis</i> , 2014 , 10, 208-15	1.7	36
105	Proliferation of hepatocyte progenitor cells isolated from adult human livers in serum-free medium. <i>Cell Transplantation</i> , 2008 , 17, 1221-30	4	36
104	Downregulation of miR122 by grainyhead-like 2 restricts the hepatocytic differentiation potential of adult liver progenitor cells. <i>Development (Cambridge)</i> , 2014 , 141, 4448-56	6.6	35
103	Rapid formation of hepatic organoid in collagen sponge by rat small hepatocytes and hepatic nonparenchymal cells. <i>Journal of Hepatology</i> , 2003 , 39, 716-23	13.4	34
102	Effects of oxygen radical scavengers on connexins 32 and 26 expression in primary cultures of adult rat hepatocytes. <i>Carcinogenesis</i> , 1996 , 17, 537-44	4.6	34

101	Amino acid-rich medium (Leibovitz L-15) enhances and prolongs proliferation of primary cultured rat hepatocytes in the absence of serum. <i>Journal of Cellular Physiology</i> , 1991 , 147, 495-504	7	34
100	Characteristics of small cell colonies developing in primary cultures of adult rat hepatocytes. <i>Vigiliae Christianae</i> , 1992 , 62, 329-35	0.2	34
99	Transient expression of laminin alpha1 chain in regenerating murine liver: restricted localization of laminin chains and nidogen-1. <i>Experimental Cell Research</i> , 2005 , 305, 99-109	4.2	30
98	Proliferation of rat small hepatocytes after long-term cryopreservation. <i>Journal of Hepatology</i> , 2002 , 37, 7-14	13.4	30
97	Changes in cellular distribution of connexins 32 and 26 during formation of gap junctions in primary cultures of rat hepatocytes. <i>Experimental Cell Research</i> , 1996 , 223, 314-26	4.2	30
96	Effects of mitogens and co-mitogens on the formation of small-cell colonies in primary cultures of rat hepatocytes. <i>Journal of Cellular Physiology</i> , 1993 , 157, 461-8	7	29
95	Bile canalicular formation in hepatic organoid reconstructed by rat small hepatocytes and nonparenchymal cells. <i>Journal of Cellular Physiology</i> , 2004 , 199, 252-61	7	27
94	Liver repopulation and long-term function of rat small hepatocyte transplantation as an alternative cell source for hepatocyte transplantation. <i>Liver Transplantation</i> , 2006 , 12, 78-87	4.5	26
93	Interaction of interleukin-1 and interferon-gamma on fibroblast growth factor-induced angiogenesis. <i>Japanese Journal of Cancer Research</i> , 1994 , 85, 522-9		25
92	Redifferentiation of proliferated rat hepatocytes cultured in L15 medium supplemented with EGF and DMSO. <i>In Vitro Cellular & Developmental Biology</i> , 1993 , 29A, 714-22		25
91	A three-dimensional microfluidic tumor cell migration assay to screen the effect of anti-migratory drugs and interstitial flow. <i>Microfluidics and Nanofluidics</i> , 2013 , 14, 969-981	2.8	23
90	Thy1-positive cells have bipotential ability to differentiate into hepatocytes and biliary epithelial cells in galactosamine-induced rat liver regeneration. <i>American Journal of Pathology</i> , 2009 , 175, 2362-71	5.8	23
89	Effects of nicotinamide-related agents on the growth of primary rat hepatocytes and formation of small hepatocyte colonies. <i>Liver International</i> , 1999 , 19, 481-8	7.9	23
88	Portal blood flow regulates volume recovery of the rat liver after partial hepatectomy: molecular evaluation. <i>European Surgical Research</i> , 2006 , 38, 522-32	1.1	22
87	Sepsis and cholestasis: basic findings in the sinusoid and bile canaliculus. <i>Journal of Hepato-Biliary-Pancreatic Surgery</i> , 2001 , 8, 20-6		22
86	Multiple cell cycles occur in rat hepatocytes cultured in the presence of nicotinamide and epidermal growth factor. <i>Hepatology</i> , 1991 , 13, 21-30	11.2	22
85	Ductular network formation by rat biliary epithelial cells in the dynamical culture with collagen gel and dimethylsulfoxide stimulation. <i>American Journal of Pathology</i> , 2008 , 173, 494-506	5.8	21
84	Coordinated elevation of membrane type 1-matrix metalloproteinase and matrix metalloproteinase-2 expression in rat uterus during postpartum involution. <i>Reproductive Biology and Endocrinology</i> , 2006 , 4, 32	5	21

83	Liver Progenitors Isolated from Adult Healthy Mouse Liver Efficiently Differentiate to Functional Hepatocytes In Vitro and Repopulate Liver Tissue. <i>Stem Cells</i> , 2016 , 34, 2889-2901	5.8	20
82	Regulation of c-met expression in rats with acute hepatic failure. <i>Journal of Surgical Research</i> , 2001 , 99, 385-96	2.5	20
81	Effect of age on the formation of small-cell colonies in cultures of primary rat hepatocytes. <i>Cancer Research</i> , 1993 , 53, 3145-8	10.1	20
80	Progressive induction of hepatocyte progenitor cells in chronically injured liver. <i>Scientific Reports</i> , 2017 , 7, 39990	4.9	19
79	Differentiation capacity of hepatic stem/progenitor cells isolated from D-galactosamine-treated rat livers. <i>Hepatology</i> , 2013 , 57, 1192-202	11.2	19
78	Functional expression of organic anion transporters in hepatic organoids reconstructed by rat small hepatocytes. <i>Journal of Cellular Biochemistry</i> , 2008 , 104, 68-81	4.7	19
77	Reconstruction of hepatic organoid by hepatic stem cells. <i>Journal of Hepato-Biliary-Pancreatic Surgery</i> , 2002 , 9, 697-703		19
76	Hepatocyte transplantation for total liver repopulation. <i>Journal of Hepato-Biliary-Pancreatic Surgery</i> , 2005 , 12, 378-85		19
75	Spatio-temporal control of hepatic stellate cell-endothelial cell interactions for reconstruction of liver sinusoids in vitro. <i>Tissue Engineering - Part A</i> , 2012 , 18, 1045-56	3.9	18
74	Recovery of mRNA expression of tryptophan 2,3-dioxygenase and serine dehydratase in long-term cultures of primary rat hepatocytes. <i>Journal of Biochemistry</i> , 1996 , 120, 511-7	3.1	17
73	Restricted expression of cell adhesion kinase-beta in rat tissues. <i>American Journal of Pathology</i> , 1997 , 150, 267-81	5.8	16
72	Growth ability and repopulation efficiency of transplanted hepatic stem cells, progenitor cells, and mature hepatocytes in retrorsine-treated rat livers. <i>Cell Transplantation</i> , 2012 , 21, 11-22	4	15
71	Thermoreversible gelation polymer induces the emergence of hepatic stem cells in the partially injured rat liver. <i>Hepatology</i> , 2006 , 43, 1053-62	11.2	15
70	Polygonal networks, "geodomes", of adult rat hepatocytes in primary culture. <i>Cell Biology International Reports</i> , 1988 , 12, 1-7		15
69	Role of grainyhead-like 2 in the formation of functional tight junctions. <i>Tissue Barriers</i> , 2013 , 1, e23495	4.3	14
68	Expression of cytochrome P450 enzymes in hepatic organoid reconstructed by rat small hepatocytes. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2005 , 20, 865-72	4	14
67	Hepatic organoid formation in collagen sponge of cells isolated from human liver tissues. <i>Tissue Engineering</i> , 2005 , 11, 626-33		14
66	Epithelial Morphogenesis during Liver Development. <i>Cold Spring Harbor Perspectives in Biology</i> , 2017 , 9,	10.2	13

65	Coordinated movement of bile canalicular networks reconstructed by rat small hepatocytes. <i>Annals of Biomedical Engineering</i> , 2005 , 33, 696-708	4.7	13
64	Sexual difference in the histochemical characteristics of "altered cell foci" in the liver of aged Fischer 344 rats. <i>Japanese Journal of Cancer Research</i> , 1987 , 78, 785-90		13
63	Proliferation of rat small hepatocytes requires follistatin expression. <i>Journal of Cellular Physiology</i> , 2012 , 227, 2363-70	7	12
62	Transplantation of Thy1 Cells Accelerates Liver Regeneration by Enhancing the Growth of Small Hepatocyte-Like Progenitor Cells via IL17RB Signaling. <i>Stem Cells</i> , 2017 , 35, 920-931	5.8	11
61	Characterization of hepatic-organoid cultures. <i>Drug Metabolism Reviews</i> , 2010 , 42, 472-81	7	11
60	Thyroid hormone is necessary for expression of constitutive androstane receptor in rat hepatocytes. <i>Drug Metabolism and Disposition</i> , 2009 , 37, 1963-9	4	11
59	Cytochrome p450 expression of cultured rat small hepatocytes after long-term cryopreservation. <i>Drug Metabolism and Disposition</i> , 2006 , 34, 1667-71	4	11
58	Hyperbaric oxygen stimulates cell proliferation and normalizes multidrug resistance protein-2 protein localization in primary rat hepatocytes. <i>Wound Repair and Regeneration</i> , 2005 , 13, 551-7	3.6	11
57	Expression of carbamoylphosphate synthetase I and glutamine synthetase in hepatic organoids reconstructed by rat small hepatocytes and hepatic nonparenchymal cells. <i>Cell and Tissue Research</i> , 2001 , 306, 467-71	4.2	11
56	In vitro invasive potential and type IV collagenolytic activity of human renal cell carcinoma cells derived from primary and metastatic lesions. <i>Journal of Urology</i> , 1993 , 149, 1182-5	2.5	11
55	The bicarbonate ion is essential for efficient DNA synthesis by primary cultured rat hepatocytes. <i>In Vitro Cellular & Developmental Biology</i> , 1991 , 27A, 549-56		11
54	Reappearance and long-term maintenance of connexin32 in proliferated adult rat hepatocytes: use of serum-free L-15 medium supplemented with EGF and DMSO. <i>Journal of Cell Science</i> , 1995 , 108 (Pt 4), 1347-57	5.3	11
53	Effects of bone marrow stromal cells on the structural and functional polarity of primary rat hepatocytes. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2002 , 38, 62-5	2.6	10
52	Subculture of proliferating adult rat hepatocytes in medium supplemented with nicotinamide and EGF. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 1996 , 32, 469-77	2.6	10
51	Generation of functional liver organoids on combining hepatocytes and cholangiocytes with hepatobiliary connections ex vivo. <i>Nature Communications</i> , 2021 , 12, 3390	17.4	10
50	Intrahepatic bile ducts guide establishment of the intrahepatic nerve network in developing and regenerating mouse liver. <i>Development (Cambridge)</i> , 2018 , 145,	6.6	9
49	Increased expression of cell adhesion kinase beta in human and rat crescentic glomerulonephritis. <i>American Journal of Kidney Diseases</i> , 2002 , 39, 174-82	7.4	9
48	Formation of actin filament networks in cultured rat hepatocytes treated with DMSO and glucagon. <i>Cell Structure and Function</i> , 1997 , 22, 269-78	2.2	9

47	Multiple cell cycles occur in rat hepatocytes cultured in the presence of nicotinamide and epidermal growth factor 1991 , 13, 21		9
46	Morphogenesis of liver epithelial cells. <i>Hepatology Research</i> , 2016 , 46, 964-76	5.1	9
45	Tumor necrosis factor-alpha and interleukin-6 reduce bile canalicular contractions of rat hepatocytes. <i>Surgery</i> , 2003 , 133, 101-9	3.6	8
44	Pancreatic regeneration: basic research and gene regulation. <i>Surgery Today</i> , 2016 , 46, 633-40	3	7
43	Reconstruction of hepatic stellate cell-incorporated liver capillary structures in small hepatocyte tri-culture using microporous membranes. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015 , 9, 247-56	4.4	7
42	In vitro transformation of adult rat hepatic progenitor cells into pancreatic endocrine hormone-producing cells. <i>Journal of Hepato-Biliary-Pancreatic Surgery</i> , 2008 , 15, 310-7		7
41	Hepatocytic parental progenitor cells of rat small hepatocytes maintain self-renewal capability after long-term culture. <i>Scientific Reports</i> , 2017 , 7, 46177	4.9	6
40	Preoperative hepatocyte transplantation improves the survival of rats with nonalcoholic steatohepatitis-related cirrhosis after partial hepatectomy. <i>Cell Transplantation</i> , 2014 , 23, 1243-54	4	6
39	Impaired liver regeneration with humoral and genetic disturbances in urinary trypsin inhibitor-deficient mice. <i>Liver International</i> , 2009 , 29, 979-87	7.9	6
38	The significance of membrane type 1 metalloproteinase in structural involution of human corpora lutea. <i>Molecular Human Reproduction</i> , 2002 , 8, 742-9	4.4	6
37	Paper is a compatible bed for rat hepatocytes. <i>Artificial Organs</i> , 2000 , 24, 271-7	2.6	6
36	Growth and maturation of small hepatocytes. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 1998 , 13 Suppl, S70-7	4	6
35	Spontaneous appearance of circular actin bands in cultured hepatocytes of adult rats. <i>Medical Electron Microscopy: Official Journal of the Clinical Electron Microscopy Society of Japan</i> , 1999 , 32, 114-121		5
34	TGF-beta completely blocks the formation of small-cell colonies: effects of mito-inhibitory factors on the proliferation of primary cultured rat hepatocytes. <i>Cell Structure and Function</i> , 1995 , 20, 167-76	2.2	5
33	Soluble Lutheran/basal cell adhesion molecule is detectable in plasma of hepatocellular carcinoma patients and modulates cellular interaction with laminin-511 in vitro. <i>Experimental Cell Research</i> , 2014 , 328, 197-206	4.2	4
32	Morphological and Functional Changes of Rat Hepatocytes by Vertical Cell-Cell Adhesion in Three-Dimensional Stacked-Up Culture. <i>Journal of Biomechanical Science and Engineering</i> , 2008 , 3, 235-248	0.8	4
31	Extracellular vesicles containing miR-146a-5p secreted by bone marrow mesenchymal cells activate hepatocytic progenitors in regenerating rat livers. <i>Stem Cell Research and Therapy</i> , 2021 , 12, 312	8.3	4
30	Which is better source for functional hepatocytes?. <i>Stem Cell Investigation</i> , 2017 , 4, 12	5.1	3

29	Efficient transformation of small hepatocytes into insulin-expressing cells by forced expression of Pdx1. <i>Journal of Hepato-Biliary-Pancreatic Surgery</i> , 2008 , 15, 403-9		3
28	Gamma-glutamyltranspeptidase-positive (GGT+) hepatocytes from carcinogen-treated rats isolated by magnetic beads. <i>In Vitro Cellular & Developmental Biology</i> , 1991 , 27A, 515-7		3
27	Effects of liver-tumor promoters on phalloidin sensitivity of rat hepatocytes. <i>Carcinogenesis</i> , 1986 , 7, 335-7	4.6	3
26	Proliferation and osteogenic differentiation of rat bone marrow stromal cells on bioapatite with different crystalline facets. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 93, 646-55	5.4	2
25	Maintenance of connexin 32 and 26 expression in primary cultured rat hepatocytes treated with 3-acetylpyridine. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2001 , 16, 806-15	4	2
24	Aurintricarboxylic acid prevents vascular endothelial cell death. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 1995 , 31, 323-5	2.6	2
23	Tumor necrosis factor-induced endothelial cell injury with advancing age in vitro. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 1995 , 31, 824-7	2.6	2
22	Low-dose steroid pretreatment ameliorates the transient impairment of liver regeneration. <i>World Journal of Gastroenterology</i> , 2012 , 18, 905-14	5.6	2
21	Microfluidic Hydrostatic Deposition Patterning for a confined hepatocyte-biliary epithelial cell co-culture system 2011 ,		1
20	The Effect of Micropatterned Pores on the Formation and Movement of Small Hepatocyte Colonies. <i>Journal of Biomechanical Science and Engineering</i> , 2008 , 3, 249-262	0.8	1
19	Decreased sensitivity to phalloidin of aged F344/DuCrj rat hepatocytes. <i>Japanese Journal of Cancer Research</i> , 1987 , 78, 1193-7		1
18	Thy1-positive cell transplantation activates the growth of small hepatocyte-like progenitor cells in rat livers treated with retrorsine and PH. <i>FASEB Journal</i> , 2013 , 27, 257.7	0.9	1
17	Isolation and Expansion of Rat Hepatocytic Progenitor Cells. <i>Methods in Molecular Biology</i> , 2019 , 1905, 29-41	1.4	1
16	Self-Renewal Capability of Hepatocytic Parental Progenitor Cells Derived From Adult Rat Liver Is Maintained Long Term When Cultured on Laminin 111 in Serum-Free Medium. <i>Hepatology Communications</i> , 2020 , 4, 21-37	6	0
15	Plasticity of Liver Epithelial Cells in Healthy and Injured Livers 2018 , 35-54		
14	Isolation of hepatic progenitor cells from the galactosamine-treated rat liver. <i>Methods in Molecular Biology</i> , 2012 , 826, 49-58	1.4	
13	Accumulation of Hsp70/Hsc70 molecular chaperone regulator BAG-1 on COPI-coated structures in gastric epithelial cells 2003 , 23, 1301		
12	Decreased sensitivity to phalloidin of normal-looking rat hepatocytes after short-term 2-acetylaminofluorene feeding. <i>Japanese Journal of Cancer Research</i> , 1988 , 79, 329-34		

11 Small hepatocytes in primary cultures **2000**, 195-208

10 The Effects of A23187 and Endothelin-1 on the Contraction of Reconstructed Bile Canaliculi. *The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME*, **2002**, 2002.14, 21-22 ○

9 The Effect of Endothelin-1 on the Contraction of Bile Canalicular Network. *Proceedings of the JSME Bioengineering Conference and Seminar*, **2002**, 2002.13, 97-98

8 Morphological estimation for the effects of flow to hepatic organoid formed by rat small hepatocytes. *The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME*, **2003**, 2003.15, 287-288 ○

7 Reconstruction of Ductular Structure by Rat Bile Ductular Epithelial Cells(Micro- and Nano-biomechanics). *The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics*, **2004**, 2004.1, 219-220

6 Cellular biomechanics applied to tissue engineering : Reconstruction of vessel network formation in cultured cell structures(Plenary Lectures). *The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics*, **2004**, 2004.1, 1-2

5 223 3D culture of small hepatocytes by piling up microporous membranes. *Proceedings of the JSME Bioengineering Conference and Seminar*, **2005**, 2004.17, 83-84

4 239 Reconstruction of Tubular Structure Network by Rat Biliary Epithelial Cells. *The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME*, **2006**, 2005.18, 137-138 ○

3 237 The Effect of micro-porous membrane on the formation of small hepatocyte colonies. *The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME*, **2006**, 2005.18, 133-134 ○

2 330 The analysis of cell adhesion in 3D stacked-up culture of rat primary hepatocytes. *The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME*, **2006**, 2005.18, 197-198 ○

1 Hepatic biliary epithelial cells acquire epithelial integrity but lose plasticity to differentiate into hepatocytes in vitro during development. *Development (Cambridge)*, **2013**, 140, e2408-e2408 6.6