

Hsuan-Shu Lee

List of Publications by Year in descending order

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111
papers

3,253
citations

126907

33
h-index

161849

54
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113
all docs

113
docs citations

113
times ranked

4582
citing authors

#	ARTICLE	IF	CITATIONS
1	Timing Does Matter: Nerve-Mediated HDAC1 Paces the Temporal Expression of Morphogenic Genes During Axolotl Limb Regeneration. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 641987.	3.7	3
2	Dynamic observation and quantification of type I/II collagen in chondrogenesis of mesenchymal stem cells by second-order susceptibility microscopy. <i>Journal of Biophotonics</i> , 2019, 12, e201800097.	2.3	1
3	Therapeutic Potential of Plasma Proteins Derived from Umbilical Cord Blood for Acute Liver Failure. <i>Molecular Pharmaceutics</i> , 2019, 16, 1092-1104.	4.6	4
4	Nerve-mediated expression of histone deacetylases regulates limb regeneration in axolotls. <i>Developmental Biology</i> , 2019, 449, 122-131.	2.0	9
5	Dynamic visualization of the recovery of mouse hepatobiliary metabolism to acetaminophen overdose damage. <i>Journal of Biophotonics</i> , 2019, 12, e201800296.	2.3	0
6	Differentiation of collagens I, II, and III by second order susceptibility imaging. , 2019, , .		0
7	In vivo multiphoton dynamic imaging of the hepatobiliary metabolism in chronic hepatic diseases. , 2019, , .		0
8	Multiphoton dynamic imaging of the effect of chronic hepatic diseases on hepatobiliary metabolism in vivo. , 2019, , .		0
9	Dynamic observation and quantification of type I/II collagen in chondrogenesis of mesenchymal stem cells by second-order susceptibility microscopy. , 2019, , .		0
10	Multiphoton dynamic imaging of the effect of chronic hepatic diseases on hepatobiliary metabolism in vivo. <i>Journal of Biophotonics</i> , 2018, 11, e201700338.	2.3	2
11	In vivo multiphoton kinetic imaging of the toxic effect of carbon tetrachloride on hepatobiliary metabolism. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	2.6	0
12	Mobilizing Transit-Amplifying Cell-Derived Ectopic Progenitors Prevents Hair Loss from Chemotherapy or Radiation Therapy. <i>Cancer Research</i> , 2017, 77, 6083-6096.	0.9	36
13	Re-epithelialization of large wound in paedomorphic and metamorphic axolotls. <i>Journal of Morphology</i> , 2017, 278, 228-235.	1.2	3
14	Direct visualization of functional heterogeneity in hepatobiliary metabolism. , 2017, , .		0
15	In vivo multiphoton imaging and quantification of cytoplasmic and nuclear metabolism in the hepatobiliary system. <i>Proceedings of SPIE</i> , 2017, , .	0.8	0
16	Diffusion tensor tractography reveals muscle reconnection during axolotl limb regeneration. <i>PLoS ONE</i> , 2017, 12, e0173425.	2.5	1
17	Direct visualization of functional heterogeneity in hepatobiliary metabolism using 6-CFDA as model compound. <i>Biomedical Optics Express</i> , 2016, 7, 3574.	2.9	7
18	Hepatocyte-Like Cells Derived from Mouse Induced Pluripotent Stem Cells Produce Functional Coagulation Factor IX in a Hemophilia B Mouse Model. <i>Cell Transplantation</i> , 2016, 25, 1237-1246.	2.5	8

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19	All-trans retinoic acid ameliorates glycemic control in diabetic mice via modulating pancreatic islet production of vascular endothelial growth factor-A. <i>Biochemical and Biophysical Research Communications</i> , 2016, 477, 874-880.	2.1	8
20	Maternal vitamin A deficiency during pregnancy affects vascularized islet development. <i>Journal of Nutritional Biochemistry</i> , 2016, 36, 51-59.	4.2	15
21	PDGF Facilitates Direct Lineage Reprogramming of Hepatocytes to Functional β -Like Cells Induced by Pdx1 and Ngn3. <i>Cell Transplantation</i> , 2016, 25, 1893-1909.	2.5	12
22	3D cell clusters combined with a bioreactor system to enhance the drug metabolism activities of C3A hepatoma cell lines. <i>Journal of Materials Chemistry B</i> , 2016, 4, 7000-7008.	5.8	5
23	Protection against acetaminophen-induced acute liver failure by omentum adipose tissue derived stem cells through the mediation of Nrf2 and cytochrome P450 expression. <i>Journal of Biomedical Science</i> , 2016, 23, 5.	7.0	32
24	Long-Duration Muscle Dedifferentiation during Limb Regeneration in Axolotls. <i>PLoS ONE</i> , 2015, 10, e0116068.	2.5	20
25	Cooperative Regulation of Substrate Stiffness and Extracellular Matrix Proteins in Skin Wound Healing of Axolotls. <i>BioMed Research International</i> , 2015, 2015, 1-10.	1.9	13
26	The specificity and accuracy of ^{111}In -hexavalent lactoside in estimating liver reserve and its threshold value for mortality in mice. <i>Journal of Hepatology</i> , 2015, 63, 370-377.	3.7	7
27	Visualizing and quantifying difference in cytoplasmic and nuclear metabolism in the hepatobiliary system in vivo. <i>Journal of Biomedical Optics</i> , 2015, 20, 016020.	2.6	6
28	Mesenchymal stem cell-based HSP70 promoter-driven VEGFA induction by resveratrol promotes angiogenesis in a mouse model. <i>Cell Stress and Chaperones</i> , 2015, 20, 643-652.	2.9	11
29	Cytoophidium assembly reflects upregulation of IMPDH activity. <i>Journal of Cell Science</i> , 2015, 128, 3550-5.	2.0	69
30	Mesenchymal stem cell-based HSP70 promoter-driven VEGFA induction by resveratrol alleviates elastase-induced emphysema in a mouse model. <i>Cell Stress and Chaperones</i> , 2015, 20, 979-989.	2.9	32
31	Brain Isoform Glycogen Phosphorylase as a Novel Hepatic Progenitor Cell Marker. <i>PLoS ONE</i> , 2015, 10, e0122528.	2.5	2
32	Higher expression of cytochrome P450 3A4 in human mesenchymal and adipose-derived stem cells than in dermal fibroblasts: With emphasis on the correlation with basal pregnane X receptor expression. <i>Process Biochemistry</i> , 2014, 49, 1983-1989.	3.7	3
33	Ectopic DNMT3L Triggers Assembly of a Repressive Complex for Retroviral Silencing in Somatic Cells. <i>Journal of Virology</i> , 2014, 88, 10680-10695.	3.4	26
34	Vascular and hepatic enhancements at MR imaging: comparison of Gd-EOB-DTPA and Gd-DTPA in the same subjects. <i>Clinical Imaging</i> , 2014, 38, 287-291.	1.5	7
35	Enhancement of CYP3A4 Activity in Hep G2 Cells by Lentiviral Transfection of Hepatocyte Nuclear Factor-1 Alpha. <i>PLoS ONE</i> , 2014, 9, e94885.	2.5	14
36	De novo transcriptome sequencing of axolotl blastema for identification of differentially expressed genes during limb regeneration. <i>BMC Genomics</i> , 2013, 14, 434.	2.8	63

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37	Protoporphyrin IX accumulation disrupts mitochondrial dynamics and function in ABCG2-deficient hepatocytes. <i>FEBS Letters</i> , 2013, 587, 3202-3209.	2.8	29
38	Investigating the suspension culture on aggregation and function of mouse pancreatic β cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101A, 2273-2282.	4.0	9
39	Clinical and Histologic Implications of Delayed Hepatobiliary Enhancement on Magnetic Resonance Imaging With Gadolinium Ethoxybenzyl Diethylenetriaminepentaacetic Acid. <i>Investigative Radiology</i> , 2012, 47, 649-655.	6.2	17
40	Green tea extract supplementation ameliorates CCl ₄ -induced hepatic oxidative stress, fibrosis, and acute-phase protein expression in rat. <i>Journal of the Formosan Medical Association</i> , 2012, 111, 550-559.	1.7	17
41	Visualizing Dynamics of Sub-Hepatic Distribution of Nanoparticles Using Intravital Multiphoton Fluorescence Microscopy. <i>ACS Nano</i> , 2012, 6, 4122-4131.	14.6	90
42	Dynamic contrast-enhanced magnetic resonance imaging with Gd-EOB-DTPA for the evaluation of liver fibrosis in chronic hepatitis patients. <i>European Radiology</i> , 2012, 22, 171-180.	4.5	94
43	The prediction of drug metabolism using scaffold-mediated enhancement of the induced cytochrome P450 activities in fibroblasts by hepatic transcriptional regulators. <i>Biomaterials</i> , 2012, 33, 5187-5197.	11.4	15
44	Hepatocellular carcinoma with duodenal invasion and metastasis. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2012, 27, 677-683.	2.8	14
45	In vivo N-acetyl cysteine reduce hepatocyte death by induced acetaminophen. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0
46	Cell coupling regulates Ins1, Pdx-1 and MafA to promote insulin secretion in mouse pancreatic beta cells. <i>Process Biochemistry</i> , 2011, 46, 1853-1860.	3.7	5
47	Genetic Modification of Donor Hepatocytes Improves Therapeutic Efficacy for Hemophilia B in Mice. <i>Cell Transplantation</i> , 2010, 19, 1169-1180.	2.5	10
48	In vivo multiphoton imaging of obstructive cholestasis in mice. <i>Proceedings of SPIE</i> , 2010, , .	0.8	0
49	The discrimination of type I and type II collagen and the label-free imaging of engineered cartilage tissue. <i>Biomaterials</i> , 2010, 31, 9415-9421.	11.4	50
50	Ex vivo imaging and quantification of liver fibrosis using second-harmonic generation microscopy. <i>Journal of Biomedical Optics</i> , 2010, 15, 036002.	2.6	29
51	Multiphoton Imaging and Quantitative Analysis of Collagen Production by Chondrogenic Human Mesenchymal Stem Cells Cultured in Chitosan Scaffold. <i>Tissue Engineering - Part C: Methods</i> , 2010, 16, 913-920.	2.1	34
52	Human hepatocellular carcinoma diagnosis by multiphoton autofluorescence microscopy. <i>Proceedings of SPIE</i> , 2010, , .	0.8	1
53	Label-free diagnosis of human hepatocellular carcinoma by multiphoton autofluorescence microscopy. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	9
54	Generation of a Monoclonal Antibody Specifically Reacting with Undifferentiated Liver Progenitor Cells. <i>Hybridoma</i> , 2009, 28, 435-439.	0.4	1

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55	Global gene expression profiling reveals a key role of CD44 in hepatic oval-cell reaction after 2-AAF/CCl4 injury in rodents. <i>Histochemistry and Cell Biology</i> , 2009, 132, 479-489.	1.7	20
56	Evaluation of articular cartilage repair using biodegradable nanofibrous scaffolds in a swine model: a pilot study. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2009, 3, 1-10.	2.7	145
57	Green tea extract supplement reduces D-galactosamine-induced acute liver injury by inhibition of apoptotic and proinflammatory signaling. <i>Journal of Biomedical Science</i> , 2009, 16, 35.	7.0	68
58	Clinical manifestations and survival of hepatocellular carcinoma patients with peritoneal metastasis. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2009, 24, 815-820.	2.8	46
59	Pancreatic carcinoma cells stimulate proliferation and matrix synthesis of hepatic stellate cells. <i>Journal of Hepatology</i> , 2009, 51, 307-314.	3.7	16
60	In vivo dynamic metabolic imaging of obstructive cholestasis in mice. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 296, G1091-G1097.	3.4	34
61	Imaging tissue engineering scaffolds using multiphoton microscopy. <i>Microscopy Research and Technique</i> , 2008, 71, 140-145.	2.2	27
62	Monitoring the effect of mechanical stress on mesenchymal stem cell collagen production by multiphoton microscopy. , 2008, , .		0
63	Polarization ellipticity compensation in polarization second-harmonic generation microscopy without specimen rotation. <i>Journal of Biomedical Optics</i> , 2008, 13, 014005.	2.6	42
64	Multiphoton autofluorescence and second-harmonic generation diagnosis of hepatocellular carcinoma. <i>Proceedings of SPIE</i> , 2008, , .	0.8	1
65	In vivo multiphoton imaging of bile duct ligation. <i>Proceedings of SPIE</i> , 2008, , .	0.8	2
66	Investigating the effects of Panadol on mouse liver by in vivo multiphoton microscopy. <i>Proceedings of SPIE</i> , 2008, , .	0.8	2
67	Visualization of hepatobiliary excretory function by intravital multiphoton microscopy. <i>Journal of Biomedical Optics</i> , 2007, 12, 014014.	2.6	43
68	Intravital multiphoton microscopy for imaging hepatobiliary function. , 2007, , .		0
69	Alterations of tumour suppressor gene PPP2R1B in hepatocellular carcinoma. <i>Cancer Letters</i> , 2007, 253, 138-143.	7.2	23
70	Differential DNA methylation associated with hepatitis B virus infection in hepatocellular carcinoma. <i>International Journal of Cancer</i> , 2007, 121, 1257-1264.	5.1	81
71	Characterization of cytokeratin 19-positive hepatocyte foci in the regenerating rat liver after 2-AAF/CCl4 injury. <i>Histochemistry and Cell Biology</i> , 2007, 128, 217-226.	1.7	11
72	Imaging the bone marrow stem cells morphogenesis in PGA scaffold by multiphoton autofluorescence and second harmonic (SHG) imaging. , 2006, , .		0

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73	Identification of complement C3a as a candidate biomarker in human chronic hepatitis C and HCV-related hepatocellular carcinoma using a proteomics approach. <i>Proteomics</i> , 2006, 6, 2865-2873.	2.2	109
74	Intact corneal stroma visualization of GFP mouse revealed by multiphoton imaging. <i>Microscopy Research and Technique</i> , 2006, 69, 973-975.	2.2	39
75	Imaging Human Bone Marrow Stem Cell Morphogenesis in Polyglycolic Acid Scaffold by Multiphoton Microscopy. <i>Tissue Engineering</i> , 2006, 12, 2835-2841.	4.6	42
76	Multiphoton analysis of normal and diseased livers. , 2005, 5700, 249.		1
77	Repair of porcine articular cartilage defect with autologous chondrocyte transplantation. <i>Journal of Orthopaedic Research</i> , 2005, 23, 584-593.	2.3	66
78	Clonality analysis of multiple hepatocellular carcinomas by loss of heterozygosity pattern determined by chromosomes 16q and 13q. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2005, 20, 536-546.	2.8	10
79	Evaluation of predictive value of CLIP, Okuda, TNM and JIS staging systems for hepatocellular carcinoma patients undergoing surgery. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2005, 20, 765-771.	2.8	53
80	Hydroxyproline content of needle biopsies as an objective measure of liver fibrosis: Emphasis on sampling variability. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2005, 20, 1109-1114.	2.8	59
81	EMP-1 is a junctional protein in a liver stem cell line and in the liver. <i>Biochemical and Biophysical Research Communications</i> , 2005, 334, 996-1003.	2.1	24
82	Identification of Human Hepatocellular Carcinoma-Related Biomarkers by Two-Dimensional Difference Gel Electrophoresis and Mass Spectrometry. <i>Journal of Proteome Research</i> , 2005, 4, 2062-2069.	3.7	119
83	The role of transcatheter arterial embolization in patients with resectable hepatocellular carcinoma: a nation-wide, multicenter study. <i>Liver International</i> , 2004, 24, 419-424.	3.9	25
84	Optical biopsy of liver fibrosis by use of multiphoton microscopy. <i>Optics Letters</i> , 2004, 29, 2614.	3.3	35
85	Multipotential Mesenchymal Stem Cells from Femoral Bone Marrow Near the Site of Osteonecrosis. <i>Stem Cells</i> , 2003, 21, 190-199.	3.2	125
86	Differential role of p38 in IL-1 β induction of MMP-9 and MMP-13 in an established liver myofibroblast cell line. <i>Journal of Biomedical Science</i> , 2003, 10, 757-765.	7.0	2
87	Clonal expansion of adult rat hepatic stem cell lines by suppression of asymmetric cell kinetics (SACK). <i>Biotechnology and Bioengineering</i> , 2003, 83, 760-771.	3.3	64
88	Differential Role of p38 in IL-1 α ; Induction of MMP-9 and MMP-13 in an Established Liver Myofibroblast Cell Line. <i>Journal of Biomedical Science</i> , 2003, 10, 757-765.	7.0	23
89	Ultrasound screening and risk factors for death from hepatocellular carcinoma in a high risk group in Taiwan. <i>International Journal of Cancer</i> , 2002, 98, 257-261.	5.1	131
90	Osteogenic differentiation of mesenchymal stem cells derived from bone marrow of patients with myeloproliferative disorders. <i>Journal of the Formosan Medical Association</i> , 2002, 101, 124-8.	1.7	2

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91	Expressions of cancer-testis antigens in human hepatocellular carcinomas. Cancer Letters, 2001, 164, 189-195.	7.2	52
92	Deletion mapping of chromosome 16q24 in hepatocellular carcinoma in Taiwan and mutational analysis of the 17-β-HSD gene localized to the region. International Journal of Cancer, 2001, 93, 74-79.	5.1	16
93	Production of Functional Hepatocyte Growth Factor (HGF) in Insect Cells Infected with an HGF-Recombinant Baculovirus in a Serum-Free Medium. Biotechnology Progress, 2000, 16, 146-151.	2.6	11
94	High frequency of expression of MAGE genes in human hepatocellular carcinoma. Liver International, 1999, 19, 110-114.	3.9	31
95	Characteristics of hepatocellular carcinoma presenting with variceal bleeding. Journal of Gastroenterology and Hepatology (Australia), 1998, 13, 170-174.	2.8	18
96	Hepatocyte growth factor stimulates the growth and activates mitogen-activated protein kinase in human hepatoma cells. Journal of Biomedical Science, 1998, 5, 180-184.	7.0	20
97	Icteric type hepatocellular carcinoma: Revisited 20 years later. Journal of Gastroenterology, 1998, 33, 53-56.	5.1	44
98	Clinical Impact of Screening First-Degree Relatives of Patients with Hepatocellular Carcinoma. Journal of Clinical Gastroenterology, 1998, 27, 236-239.	2.2	20
99	Hepatocyte Growth Factor Stimulates the Growth and Activates Mitogen-Activated Protein Kinase in Human Hepatoma Cells. Journal of Biomedical Science, 1998, 5, 180-184.	7.0	3
100	Identification of a Novel Variant Hepatocyte Growth Factor Secreted by Spleen-Derived Stromal Cells. Biochemical and Biophysical Research Communications, 1996, 223, 487-491.	2.1	2
101	Ultrasound-guided cutting biopsy for the diagnosis of hepatocellular carcinoma – a study based on 420 patients. Journal of Hepatology, 1996, 25, 334-338.	3.7	138
102	Alcoholism, Hepatitis B and C Viral Infections, and Impaired Liver Function among Taiwanese Aboriginal Groups. American Journal of Epidemiology, 1996, 143, 936-942.	3.4	16
103	Aflatoxin exposure and risk of hepatocellular carcinoma in Taiwan. International Journal of Cancer, 1996, 67, 620-625.	5.1	207
104	Aflatoxin exposure and risk of hepatocellular carcinoma in Taiwan. , 1996, 67, 620.		2
105	Aflatoxin exposure and risk of hepatocellular carcinoma in Taiwan. International Journal of Cancer, 1996, 67, 620-625.	5.1	8
106	Genotypes of hepatitis C virus in chronic liver disease in Taiwan. Journal of Medical Virology, 1994, 44, 234-236.	5.0	34
107	Prevalence of hepatitis C viral infection in a community in Taiwan. Journal of Hepatology, 1993, 17, 192-198.	3.7	40
108	Multiple hepatocellular carcinomas at the early stage have different clonality. Gastroenterology, 1993, 105, 1471-1476.	1.3	58

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109	Hepatitis C and B viruses in hepatitis B Surface antigen-negative hepatocellular carcinoma. Gastroenterology, 1992, 103, 1322-1327.	1.3	133
110	Serum hepatitis B virus DNA in healthy HBsAg-negative Chinese adults evaluated by polymerase chain reaction. Journal of Medical Virology, 1990, 32, 257-260.	5.0	66
111	Optical biopsy of liver fibrosis using multiphoton microscopy. , 0, , .		1