

Shih-Chieh Hung

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

90
papers

3,796
citations

33
h-index

61
g-index

92
ext. papers

4,277
ext. citations

5.3
avg. IF

5.23
L-index

#	Paper	IF	Citations
90	Upregulation of ACE2 and TMPRSS2 by particulate matter and idiopathic pulmonary fibrosis: a potential role in severe COVID-19. <i>Particle and Fibre Toxicology</i> , 2021 , 18, 11	8.4	14
89	Combination of Mesenchymal Stem Cell-Delivered Oncolytic Virus with Prodrug Activation Increases Efficacy and Safety of Colorectal Cancer Therapy. <i>Biomedicines</i> , 2021 , 9,	4.8	5
88	Insertion of a novel T-tube into an intricate subglottic stenosis. <i>Asian Journal of Surgery</i> , 2021 , 44, 877-880		0
87	Hypoxic mesenchymal stem cells ameliorate acute kidney ischemia-reperfusion injury via enhancing renal tubular autophagy. <i>Stem Cell Research and Therapy</i> , 2021 , 12, 367	8.3	6
86	PP2A in LepR+ mesenchymal stem cells contributes to embryonic and postnatal endochondral ossification through Runx2 dephosphorylation. <i>Communications Biology</i> , 2021 , 4, 658	6.7	3
85	Stem cell transplantation and/or adenoviral glial cell line-derived neurotrophic factor promote functional recovery in hemiparkinsonian rats. <i>World Journal of Stem Cells</i> , 2021 , 13, 78-90	5.6	1
84	Protein phosphatase 2A inactivation induces microsatellite instability, neoantigen production and immune response.. <i>Nature Communications</i> , 2021 , 12, 7297	17.4	1
83	Retrieval of an incarcerated denture through a cervical esophagotomy adjuvant with Montgomery T-tube drainage. <i>Asian Journal of Surgery</i> , 2020 , 43, 1044-1046	1.6	
82	Tumorigenic and Metastatic Role of CD44/CD24 Cells in Luminal Breast Cancer. <i>Cancers</i> , 2020 , 12,	6.6	12
81	Phantom simulation of liver metastasis on a positron emission tomography with computed tomography scan after neoadjuvant chemoradiotherapy for distal esophageal cancer: a case report. <i>Journal of Medical Case Reports</i> , 2020 , 14, 106	1.2	0
80	Curing a Patient of Recurrent Tracheal Papillomatosis Using Laser Ablation and Adjuvant Radiotherapy. <i>Annals of Thoracic Surgery</i> , 2020 , 110, e91-e93	2.7	1
79	New perspectives for a huge traumatic pneumatocele treatment in a young adult. <i>Respirology Case Reports</i> , 2020 , 8, e00537	0.9	
78	Involvement of collagen XVII in pluripotency gene expression and metabolic reprogramming of lung cancer stem cells. <i>Journal of Biomedical Science</i> , 2020 , 27, 5	13.3	6
77	3-D printing model used to streamline surgical procedures for an intricate condition of airway compression caused by devastating mediastinal chondrosarcoma: a case report. <i>Journal of Medical Case Reports</i> , 2020 , 14, 14	1.2	
76	Treatment of stent-related fulminating granulation tissue via emergency tracheostomy under topical anesthesia. <i>Asian Journal of Surgery</i> , 2020 , 43, 1172-1174	1.6	
75	Treatment of trivial esophageal cancer with huge devastating airway obstruction via the use of a modified emergency tracheostomy under local anesthesia. <i>Asian Journal of Surgery</i> , 2020 , 43, 1182-1185	1.6	
74	Empyema thoracis complicated by anaemia as caused by occult bonelet aspiration. <i>Respirology Case Reports</i> , 2020 , 8, e00661	0.9	

73	Incomplete metalloptysis linger pneumonia after a wedge resection of the lung for organizing pneumonia. <i>Respirology Case Reports</i> , 2020 , 8, e00627	0.9	
72	Aberrant distribution and function of plasmacytoid dendritic cells in patients with ankylosing spondylitis are associated with unfolded protein response. <i>Kaohsiung Journal of Medical Sciences</i> , 2020 , 36, 441-449	2.4	4
71	Impact of Intermittent Hypoxia on Sepsis Outcomes in a Murine Model. <i>Scientific Reports</i> , 2019 , 9, 12900	4.9	1
70	Methylation and PTEN activation in dental pulp mesenchymal stem cells promotes osteogenesis and reduces oncogenesis. <i>Nature Communications</i> , 2019 , 10, 2226	17.4	65
69	Use of Allogeneic Hypoxic Mesenchymal Stem Cells For Treating Disc Degeneration in Rabbits. <i>Journal of Orthopaedic Research</i> , 2019 , 37, 1440-1450	3.8	13
68	Mesenchymal Stem Cell-Conditioned Medium Induces Neutrophil Apoptosis Associated with Inhibition of the NF- κ B Pathway in Endotoxin-Induced Acute Lung Injury. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	40
67	High metabolic rate and stem cell characteristics of esophageal cancer stem-like cells depend on the Hsp27-AKT-HK2 pathway. <i>International Journal of Cancer</i> , 2019 , 145, 2144-2156	7.5	24
66	HLA-B27-mediated activation of TNAP phosphatase promotes pathogenic syndesmophyte formation in ankylosing spondylitis. <i>Journal of Clinical Investigation</i> , 2019 , 129, 5357-5373	15.9	24
65	PP2A Deficiency Enhances Carcinogenesis of Lgr5 Intestinal Stem Cells Both in Organoids and In Vivo. <i>Cells</i> , 2019 , 9,	7.9	2
64	Particulate Matter Increases the Severity of Bleomycin-Induced Pulmonary Fibrosis through KC-Mediated Neutrophil Chemotaxis. <i>International Journal of Molecular Sciences</i> , 2019 , 21,	6.3	9
63	Mesenchymal stem cells and their conditioned medium can enhance the repair of uterine defects in a rat model. <i>Journal of the Chinese Medical Association</i> , 2018 , 81, 268-276	2.8	15
62	Collagen XVII/laminin-5 activates epithelial-to-mesenchymal transition and is associated with poor prognosis in lung cancer. <i>Oncotarget</i> , 2018 , 9, 1656-1672	3.3	23
61	Corticosteroid inhibits differentiation of palmar fibromatosis-derived stem cells (FSCs) through downregulation of transforming growth factor- β (TGF- β). <i>PLoS ONE</i> , 2018 , 13, e0198326	3.7	4
60	Efficient programming of human mesenchymal stem cell-derived hepatocytes by epigenetic regulations. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2017 , 32, 261-269	4	4
59	Reverse thermo-responsive hydrogels prepared from Pluronic F127 and gelatin composite materials. <i>RSC Advances</i> , 2017 , 7, 21252-21257	3.7	25
58	Bioactive surface modification of polycaprolactone using MG63-conditioned medium can induce osteogenic differentiation of mesenchymal stem cells. <i>Journal of Materials Science</i> , 2017 , 52, 3967-3978	4.3	9
57	Early Passage Mesenchymal Stem Cells Display Decreased Radiosensitivity and Increased DNA Repair Activity. <i>Stem Cells Translational Medicine</i> , 2017 , 6, 1504-1514	6.9	22
56	Du-Huo-Ji-Sheng-Tang and its active component Ligusticum chuanxiong promote osteogenic differentiation and decrease the aging process of human mesenchymal stem cells. <i>Journal of Ethnopharmacology</i> , 2017 , 198, 64-72	5	21

55	Involvement of ER stress, PI3K/AKT activation, and lung fibroblast proliferation in bleomycin-induced pulmonary fibrosis. <i>Scientific Reports</i> , 2017 , 7, 14272	4.9	91
54	Hypoxia-preconditioned mesenchymal stem cells ameliorate ischemia/reperfusion-induced lung injury. <i>PLoS ONE</i> , 2017 , 12, e0187637	3.7	38
53	Involvement of mTOR-autophagy in the selection of primitive mesenchymal stem cells in chitosan film 3-dimensional culture. <i>Scientific Reports</i> , 2017 , 7, 10113	4.9	7
52	Self-Assembled Peptide-Based Hydrogels as Scaffolds for Proliferation and Multi-Differentiation of Mesenchymal Stem Cells. <i>Macromolecular Bioscience</i> , 2017 , 17, 1600192	5.5	21
51	Generation of Osteosarcomas from a Combination of Rb Silencing and c-Myc Overexpression in Human Mesenchymal Stem Cells. <i>Stem Cells Translational Medicine</i> , 2017 , 6, 512-526	6.9	21
50	Suspension survival mediated by PP2A-STAT3-Col XVII determines tumour initiation and metastasis in cancer stem cells. <i>Nature Communications</i> , 2016 , 7, 11798	17.4	30
49	Hypoxia-preconditioned allogeneic mesenchymal stem cells can be used for myocardial repair in non-human primates. <i>Journal of Thoracic Disease</i> , 2016 , 8, E593-5	2.6	2
48	Allogeneic Mesenchymal Stem Cells in Combination with Hyaluronic Acid for the Treatment of Osteoarthritis in Rabbits. <i>PLoS ONE</i> , 2016 , 11, e0149835	3.7	66
47	Multi-lineage differentiation and angiogenesis potentials of pigmented villonodular synovitis derived mesenchymal stem cells--pathological implication. <i>Journal of Orthopaedic Research</i> , 2016 , 34, 395-403	3.8	2
46	Effects of hypoxic culture on bone marrow multipotent mesenchymal stromal cells 2016 , 196-207		
45	Concomitant beige adipocyte differentiation upon induction of mesenchymal stem cells into brown adipocytes. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 478, 689-95	3.4	10
44	Allo-transplantation of mesenchymal stem cells attenuates hepatic injury through IL1Ra dependent macrophage switch in a mouse model of liver disease. <i>Journal of Hepatology</i> , 2015 , 63, 1405-12	13.4	50
43	Dexamethasone-induced cellular tension requires a SGK1-stimulated Sec5-GEF-H1 interaction. <i>Journal of Cell Science</i> , 2015 , 128, 3757-68	5.3	8
42	Evaluation of biodegradable elastic scaffolds made of anionic polyurethane for cartilage tissue engineering. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 125, 34-44	6	47
41	Use of gum arabic to improve the fabrication of chitosan-gelatin-based nanofibers for tissue engineering. <i>Carbohydrate Polymers</i> , 2015 , 115, 525-32	10.3	39
40	IL-6 enriched lung cancer stem-like cell population by inhibition of cell cycle regulators via DNMT1 upregulation. <i>International Journal of Cancer</i> , 2015 , 136, 547-59	7.5	96
39	Mesenchymal Stem Cells Ameliorate Atherosclerotic Lesions via Restoring Endothelial Function. <i>Stem Cells Translational Medicine</i> , 2015 , 4, 44-55	6.9	22
38	c-Maf regulates pluripotency genes, proliferation/self-renewal, and lineage commitment in ROS-mediated senescence of human mesenchymal stem cells. <i>Oncotarget</i> , 2015 , 6, 35404-18	3.3	23

37	Conditioned medium derived from mesenchymal stem cells overexpressing HPV16 E6E7 dramatically improves ischemic limb. <i>Journal of Molecular and Cellular Cardiology</i> , 2014 , 72, 339-49	5.8	8
36	The effect of elastic biodegradable polyurethane electrospun nanofibers on the differentiation of mesenchymal stem cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 122, 414-422	6	49
35	Mesenchymal stem cells in regenerative medicine for musculoskeletal diseases: bench, bedside, and industry. <i>Cell Transplantation</i> , 2014 , 23, 505-12	4	54
34	Manipulation therapy prior to diagnosis induced primary osteosarcoma metastasis--from clinical to basic research. <i>PLoS ONE</i> , 2014 , 9, e96571	3.7	13
33	Hypoxic mesenchymal stem cells engraft and ameliorate limb ischaemia in allogeneic recipients. <i>Cardiovascular Research</i> , 2014 , 101, 266-76	9.9	35
32	RB maintains quiescence and prevents premature senescence through upregulation of DNMT1 in mesenchymal stromal cells. <i>Stem Cell Reports</i> , 2014 , 3, 975-86	8	35
31	Autophagy promotes resistance to photodynamic therapy-induced apoptosis selectively in colorectal cancer stem-like cells. <i>Autophagy</i> , 2014 , 10, 1179-92	10.2	129
30	Repair of naphthalene-induced acute tracheal injury by basal cells depends on Eatenin. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014 , 148, 322-32	1.5	21
29	Efficient expansion of mesenchymal stem cells from mouse bone marrow under hypoxic conditions. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2013 , 7, 984-93	4.4	17
28	Isolation of mesenchymal stem cells from shoulder rotator cuff: a potential source for muscle and tendon repair. <i>Cell Transplantation</i> , 2013 , 22, 413-22	4	46
27	Screening the attachment and spreading of bone marrow-derived and adipose-derived mesenchymal stem cells on porous silicon gradients. <i>RSC Advances</i> , 2012 , 2, 12857	3.7	29
26	c-Jun N-terminal kinase 1 negatively regulates osteoblastic differentiation induced by BMP2 via phosphorylation of Runx2 at Ser104. <i>Journal of Bone and Mineral Research</i> , 2012 , 27, 1093-105	6.3	57
25	Clinical presentation and pathological features of atypical subtrochanteric fracture after bisphosphonate treatment. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2012 , 22, 417-421 ^{2,2}	2.2	1
24	Benefits of hypoxic culture on bone marrow multipotent stromal cells. <i>American Journal of Blood Research</i> , 2012 , 2, 148-59	1.6	87
23	Fibromatosis stem cells rather than bone-marrow mesenchymal stem cells recapitulate a murine model of fibromatosis. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 408, 269-75	3.4	4
22	Enhancement of wound healing by human multipotent stromal cell conditioned medium: the paracrine factors and p38 MAPK activation. <i>Cell Transplantation</i> , 2011 , 20, 693-706	4	104
21	Isolation of mesenchymal stem cells from human ligamentum flavum: implicating etiology of ligamentum flavum hypertrophy. <i>Spine</i> , 2011 , 36, E1193-200	3.3	38
20	Hypoxia inhibits senescence and maintains mesenchymal stem cell properties through down-regulation of E2A-p21 by HIF-TWIST. <i>Blood</i> , 2011 , 117, 459-69	2.2	279

19	Chemoresistance of lung cancer stemlike cells depends on activation of Hsp27. <i>Cancer</i> , 2011 , 117, 1516-28	7.4	100
18	Cucurbitacin I inhibits tumorigenic ability and enhances radiochemosensitivity in nonsmall cell lung cancer-derived CD133-positive cells. <i>Cancer</i> , 2011 , 117, 2970-85	6.4	82
17	Overexpression of hTERT increases stem-like properties and decreases spontaneous differentiation in human mesenchymal stem cell lines. <i>Journal of Biomedical Science</i> , 2010 , 17, 64	13.3	74
16	In situ Raman spectroscopic monitoring of hydroxyapatite as human mesenchymal stem cells differentiate into osteoblasts. <i>Journal of Raman Spectroscopy</i> , 2009 , 40, 546-549	2.3	32
15	cAMP/PKA regulates osteogenesis, adipogenesis and ratio of RANKL/OPG mRNA expression in mesenchymal stem cells by suppressing leptin. <i>PLoS ONE</i> , 2008 , 3, e1540	3.7	100
14	Angiogenic effects of human multipotent stromal cell conditioned medium activate the PI3K-Akt pathway in hypoxic endothelial cells to inhibit apoptosis, increase survival, and stimulate angiogenesis. <i>Stem Cells</i> , 2007 , 25, 2363-70	5.8	330
13	Short-term exposure of multipotent stromal cells to low oxygen increases their expression of CX3CR1 and CXCR4 and their engraftment in vivo. <i>PLoS ONE</i> , 2007 , 2, e416	3.7	256
12	Alpha-smooth muscle actin expression and structure integrity in chondrogenesis of human mesenchymal stem cells. <i>Cell and Tissue Research</i> , 2006 , 324, 457-66	4.2	17
11	Neocartilage from human mesenchymal stem cells in alginate: implied timing of transplantation. <i>Journal of Biomedical Materials Research - Part A</i> , 2005 , 74, 439-46	5.4	33
10	Mesenchymal stem cell targeting of microscopic tumors and tumor stroma development monitored by noninvasive in vivo positron emission tomography imaging. <i>Clinical Cancer Research</i> , 2005 , 11, 7749-56	12.9	251
9	Lineage differentiation-associated loss of adenoviral susceptibility and Coxsackie-adenovirus receptor expression in human mesenchymal stem cells. <i>Stem Cells</i> , 2004 , 22, 1321-9	5.8	34
8	Immortalization without neoplastic transformation of human mesenchymal stem cells by transduction with HPV16 E6/E7 genes. <i>International Journal of Cancer</i> , 2004 , 110, 313-9	7.5	73
7	Gene expression profiles of early adipogenesis in human mesenchymal stem cells. <i>Gene</i> , 2004 , 340, 141-50	5.8	63
6	Monteggia type I equivalent lesion: diaphyseal ulna and radius fractures with a posterior elbow dislocation in an adult. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2003 , 123, 311-3	3.6	15
5	Isolation and characterization of size-sieved stem cells from human bone marrow. <i>Stem Cells</i> , 2002 , 20, 249-58	5.8	240
4	In vitro differentiation of size-sieved stem cells into electrically active neural cells. <i>Stem Cells</i> , 2002 , 20, 522-9	5.8	131
3	Influence of femoral lengthening on hip joint space in posttraumatic femoral shortening. <i>Acta Orthopaedica</i> , 1997 , 68, 541-4		1
2	Effects of continuous distraction on cartilage in a moving joint: an investigation on adult rabbits. <i>Journal of Orthopaedic Research</i> , 1997 , 15, 381-90	3.8	20

- 1 Callus formation in femur and tibia during leg lengthening: 7 patients examined with DXA. *Acta Orthopaedica*, **1996**, 67, 158-60