Han-Tsung Liao

List of Publications by Citations

47 papers	1,077 citations	21 h-index	32 g-index
48 ext. papers	1,289 ext. citations	4.5 avg, IF	4.74 L-index

#	Paper	IF	Citations
47	Osteogenic potential: Comparison between bone marrow and adipose-derived mesenchymal stem cells. *World Journal of Stem Cells*, **2014**, 6, 288-95	5.6	126
46	Application of platelet-rich plasma and platelet-rich fibrin in fat grafting: basic science and literature review. *Tissue Engineering - Part B: Reviews*, **2014**, 20, 267-76	7.9	96
45	Osteogenesis of adipose-derived stem cells on polycaprolactone-tricalcium phosphate scaffold fabricated via selective laser sintering and surface coating with collagen type I. *Journal of Tissue Engineering and Regenerative Medicine*, **2016**, 10, E337-E353	4.4	73
44	Long-gap peripheral nerve repair through sustained release of a neurotrophic factor in nonhuman primates. *Science Translational Medicine*, **2020**, 12,	17.5	53
43	Incorporation of biphasic calcium phosphate microparticles in injectable thermoresponsive hydrogel modulates bone cell proliferation and differentiation. *Colloids and Surfaces B: Biointerfaces*, **2013**, 110, 120-9	6	52
42	The Effects of Platelet-Rich Plasma on Cell Proliferation and Adipogenic Potential of Adipose-Derived Stem Cells. *Tissue Engineering - Part A*, **2015**, 21, 2714-22	3.9	49
41	Osteogenic differentiation and ectopic bone formation of canine bone marrow-derived mesenchymal stem cells in injectable thermo-responsive polymer hydrogel. *Tissue Engineering - Part C: Methods*, **2011**, 17, 1139-49	2.9	42
40	Combination of guided osteogenesis with autologous platelet-rich fibrin glue and mesenchymal stem cell for mandibular reconstruction. *Journal of Trauma*, **2011**, 70, 228-37		37
39	In Vivo Functional Evaluation of Tissue-Engineered Vascular Grafts Fabricated Using Human Adipose-Derived Stem Cells from High Cardiovascular Risk Populations. *Tissue Engineering - Part A*, **2016**, 22, 765-75	3.9	35
38	Increasing the success of reverse sural flap from proximal part of posterior calf for traumatic foot and ankle reconstruction: patient selection and surgical refinement. *Microsurgery*, **2013**, 33, 342-9	2.1	31
37	Adipose-derived stem cell sheets functionalized by hybrid baculovirus for prolonged GDNF expression and improved nerve regeneration. *Biomaterials*, **2017**, 140, 189-200	15.6	30
36	Evaluation of the stromal vascular fraction of adipose tissue as the basis for a stem cell-based tissue-engineered vascular graft. *Journal of Vascular Surgery*, **2017**, 66, 883-890.e1	3.5	30
35	Enzyme-crosslinked gene-activated matrix for the induction of mesenchymal stem cells in osteochondral tissue regeneration. *Acta Biomaterialia*, **2017**, 63, 210-226	10.8	28
34	Deep inferior epigastric perforator flap for successful simultaneous breast and chest wall reconstruction in a Poland anomaly patient. *Annals of Plastic Surgery*, **2005**, 55, 422-6	1.7	28
33	Rational design of gelatin/nanohydroxyapatite cryogel scaffolds for bone regeneration by introducing chemical and physical cues to enhance osteogenesis of bone marrow mesenchymal stem cells. *Materials Science and Engineering C*, **2019**, 104, 109855	8.3	26
32	Investigation of synergistic effects of inductive and conductive factors in gelatin-based cryogels for bone tissue engineering. *Journal of Materials Chemistry B*, **2016**, 4, 1827-1841	7.3	26
31	Bone Regeneration Using Adipose-Derived Stem Cells in Injectable Thermo-Gelling Hydrogel Scaffold Containing Platelet-Rich Plasma and Biphasic Calcium Phosphate. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	26

30	Fabrication of tissue engineered PCL scaffold by selective laser-sintered machine for osteogeneisis of adipose-derived stem cells. *Virtual and Physical Prototyping*, **2011**, 6, 57-60	10.1	25
29	CRISPR-based Activation of Endogenous Neurotrophic Genes in Adipose Stem Cell Sheets to Stimulate Peripheral Nerve Regeneration. *Theranostics*, **2019**, 9, 6099-6111	12.1	25
28	Delivery of chondroitinase ABC and glial cell line-derived neurotrophic factor from silk fibroin conduits enhances peripheral nerve regeneration. *Journal of Tissue Engineering and Regenerative Medicine*, **2017**, 11, 733-742	4.4	22
27	The osteogenesis of bone marrow stem cells on mPEG-PCL-mPEG/hydroxyapatite composite scaffold via solid freeform fabrication. *BioMed Research International*, **2014**, 2014, 321549	3	21
26	Prefabricated, ear-shaped cartilage tissue engineering by scaffold-free porcine chondrocyte membrane. *Plastic and Reconstructive Surgery*, **2015**, 135, 313e-321e	2.7	19
25	Microsphere-Based Hierarchically Juxtapositioned Biphasic Scaffolds Prepared from Poly(Lactic-co-Glycolic Acid) and Nanohydroxyapatite for Osteochondral Tissue Engineering. *Polymers*, **2016**, 8,	4.5	17
24	Comparison of functional outcomes and patient-reported satisfaction between titanium and absorbable plates and screws for fixation of mandibular fractures: A one-year prospective study. *Journal of Cranio-Maxillo-Facial Surgery*, **2017**, 45, 704-709	3.6	14
23	Bone Tissue Engineering with Adipose-Derived Stem Cells in Bioactive Composites of Laser-Sintered Porous Polycaprolactone Scaffolds and Platelet-Rich Plasma. *Materials*, **2013**, 6, 4911-4929	3.5	14
22	Surgical strategies for brachial plexus polio-like paralysis. *Plastic and Reconstructive Surgery*, **2007**, 120, 482-493	2.7	13
21	Risk Factors Analysis for the Outcome of Indirect Traumatic Optic Neuropathy With Steroid Pulse Therapy. *Annals of Plastic Surgery*, **2016**, 76 Suppl 1, S60-7	1.7	13
20	Aesthetic and Functional Outcome of Zygomatic Fractures Fixation Comparison With Resorbable Versus Titanium Plates. *Annals of Plastic Surgery*, **2016**, 76 Suppl 1, S85-90	1.7	13
19	Functional and Aesthetic Outcome of Extensive Orbital Floor and Medial Wall Fracture via Navigation and Endoscope-assisted Reconstruction. *Annals of Plastic Surgery*, **2019**, 82, S77-S85	1.7	9
18	Experience with the transparotid approach via a mini-preauricular incision for surgical management of condylar neck fractures. *Journal of Cranio-Maxillo-Facial Surgery*, **2015**, 43, 1595-601	3.6	9
17	Determination of risk factors for burn mortality based on a regional population study in Taiwan. *Burns*, **2018**, 44, 1591-1601	2.3	9
16	Surgical treatment of isolated zygomatic fracture: Outcome comparison between titanium plate and bioabsorbable plate. *Asian Journal of Surgery*, **2018**, 41, 370-376	1.6	9
15	Platelet-rich plasma enhances adipose-derived stem cell-mediated angiogenesis in a mouse ischemic hindlimb model. *World Journal of Stem Cells*, **2018**, 10, 212-227	5.6	9
14	Risk Factor Analysis for the Outcomes of Indirect Traumatic Optic Neuropathy with No Light Perception at Initial Visual Acuity Testing. *World Neurosurgery*, **2018**, 115, e620-e628	2.1	9
13	A bioactive multi-functional heparin-grafted aligned poly(lactide-co-glycolide)/curcumin nanofiber membrane to accelerate diabetic wound healing. *Materials Science and Engineering C*, **2021**, 120, 111689	8.3	9

12	IN VITRO EXPERIMENTS ON LASER SINTERED POROUS PCL SCAFFOLDS WITH POLYMER HYDROGEL FOR BONE REPAIR. *Journal of Mechanics in Medicine and Biology*, **2011**, 11, 983-992	0.7	7
11	Modified retrograde-flow medial plantar island flap for reconstruction of distal dorsal forefoot defects--two case reports. *Microsurgery*, **2010**, 30, 146-50	2.1	7
10	Preparation and Characterization of Surface Heat Sintered Nanohydroxyapatite and Nanowhitlockite Embedded Poly (Lactic-co-glycolic Acid) Microsphere Bone Graft Scaffolds: In Vitro and in Vivo Studies. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	5
9	Increased Risk of Dementia in Patients with Craniofacial Trauma: A Nationwide Population-Based Cohort Study. *World Neurosurgery*, **2019**, 125, e563-e574	2.1	5
8	Combined Intraoral and Endoscopic Approach for Malar Reduction. *Aesthetic Surgery Journal*, **2016**, 36, 1188-1194	2.4	4
7	Functional Outcomes of Surgical Management of Mandibular Condylar Head Fractures. *Annals of Plastic Surgery*, **2020**, 84, S69-S73	1.7	1
6	Application of real-time surgical navigation for zygomatic fracture reduction and fixation. *Journal of Plastic, Reconstructive and Aesthetic Surgery*, **2021**,	1.7	1
5	Ipsilateral transnasal medial canthopexy to correct secondary telecanthus after naso-orbito-ethmoid fracture. *Journal of Plastic, Reconstructive and Aesthetic Surgery*, **2020**, 73, 934-941	1.7	0
4	Early escharotomy-like procedure for the prevention of extremity autoamputation in harlequin ichthyosis. *Biomedical Journal*, **2021**, 44, 223-226	7.1	0
3	Lower Eyelid and Midface Rejuvenation: Suborbicularis Oculi Fat Lift. *Facial Plastic Surgery Clinics of North America*, **2021**, 29, 497-509	2.4	0
2	Preliminary outcomes of the surgical navigation system combined with intraoperative three-dimensional C-arm computed tomography for zygomatico-orbital fracture reconstruction.. *Scientific Reports*, **2022**, 12, 7893	4.9	0
1	Secondary Mandible Reconstruction with Computer-Assisted-Surgical Simulation and Patient-Specific Pre-Bent Plates: The Algorithm of Virtual Planning and Limitations Revisited. *Applied Sciences (Switzerland)*, **2022**, 12, 4672	2.6	