

# Han-Tsung Liao

## 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.

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	Preliminary outcomes of the surgical navigation system combined with intraoperative three-dimensional C-arm computed tomography for zygomatico-orbital fracture reconstruction.. <i>Scientific Reports</i> , <b>2022</b> , 12, 7893	4.9	0
46	Secondary Mandible Reconstruction with Computer-Assisted-Surgical Simulation and Patient-Specific Pre-Bent Plates: The Algorithm of Virtual Planning and Limitations Revisited. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 4672	2.6	
45	Early escharotomy-like procedure for the prevention of extremity autoamputation in harlequin ichthyosis. <i>Biomedical Journal</i> , <b>2021</b> , 44, 223-226	7.1	0
44	Application of real-time surgical navigation for zygomatic fracture reduction and fixation. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2021</b> ,	1.7	1
43	Lower Eyelid and Midface Rejuvenation: Suborbicularis Oculi Fat Lift. <i>Facial Plastic Surgery Clinics of North America</i> , <b>2021</b> , 29, 497-509	2.4	0
42	A bioactive multi-functional heparin-grafted aligned poly(lactide-co-glycolide)/curcumin nanofiber membrane to accelerate diabetic wound healing. <i>Materials Science and Engineering C</i> , <b>2021</b> , 120, 111689	8.3	9
41	Ipsilateral transnasal medial canthopexy to correct secondary telecanthus after naso-orbito-ethmoid fracture. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2020</b> , 73, 934-941	1.7	0
40	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. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	5
39	Long-gap peripheral nerve repair through sustained release of a neurotrophic factor in nonhuman primates. <i>Science Translational Medicine</i> , <b>2020</b> , 12,	17.5	53
38	Functional Outcomes of Surgical Management of Mandibular Condylar Head Fractures. <i>Annals of Plastic Surgery</i> , <b>2020</b> , 84, S69-S73	1.7	1
37	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. <i>Materials Science and Engineering C</i> , <b>2019</b> , 104, 109855	8.3	26
36	Functional and Aesthetic Outcome of Extensive Orbital Floor and Medial Wall Fracture via Navigation and Endoscope-assisted Reconstruction. <i>Annals of Plastic Surgery</i> , <b>2019</b> , 82, S77-S85	1.7	9
35	Increased Risk of Dementia in Patients with Craniofacial Trauma: A Nationwide Population-Based Cohort Study. <i>World Neurosurgery</i> , <b>2019</b> , 125, e563-e574	2.1	5
34	CRISPR-based Activation of Endogenous Neurotrophic Genes in Adipose Stem Cell Sheets to Stimulate Peripheral Nerve Regeneration. <i>Theranostics</i> , <b>2019</b> , 9, 6099-6111	12.1	25
33	Determination of risk factors for burn mortality based on a regional population study in Taiwan. <i>Burns</i> , <b>2018</b> , 44, 1591-1601	2.3	9
32	Surgical treatment of isolated zygomatic fracture: Outcome comparison between titanium plate and bioabsorbable plate. <i>Asian Journal of Surgery</i> , <b>2018</b> , 41, 370-376	1.6	9
31	Platelet-rich plasma enhances adipose-derived stem cell-mediated angiogenesis in a mouse ischemic hindlimb model. <i>World Journal of Stem Cells</i> , <b>2018</b> , 10, 212-227	5.6	9

30	Bone Regeneration Using Adipose-Derived Stem Cells in Injectable Thermo-Gelling Hydrogel Scaffold Containing Platelet-Rich Plasma and Biphasic Calcium Phosphate. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	26
29	Risk Factor Analysis for the Outcomes of Indirect Traumatic Optic Neuropathy with No Light Perception at Initial Visual Acuity Testing. <i>World Neurosurgery</i> , <b>2018</b> , 115, e620-e628	2.1	9
28	Delivery of chondroitinase ABC and glial cell line-derived neurotrophic factor from silk fibroin conduits enhances peripheral nerve regeneration. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2017</b> , 11, 733-742	4.4	22
27	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. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , <b>2017</b> , 45, 704-709	3.6	14
26	Adipose-derived stem cell sheets functionalized by hybrid baculovirus for prolonged GDNF expression and improved nerve regeneration. <i>Biomaterials</i> , <b>2017</b> , 140, 189-200	15.6	30
25	Evaluation of the stromal vascular fraction of adipose tissue as the basis for a stem cell-based tissue-engineered vascular graft. <i>Journal of Vascular Surgery</i> , <b>2017</b> , 66, 883-890.e1	3.5	30
24	Enzyme-crosslinked gene-activated matrix for the induction of mesenchymal stem cells in osteochondral tissue regeneration. <i>Acta Biomaterialia</i> , <b>2017</b> , 63, 210-226	10.8	28
23	Osteogenesis of adipose-derived stem cells on polycaprolactone-β-tricalcium phosphate scaffold fabricated via selective laser sintering and surface coating with collagen type I. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2016</b> , 10, E337-E353	4.4	73
22	Investigation of synergistic effects of inductive and conductive factors in gelatin-based cryogels for bone tissue engineering. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 1827-1841	7.3	26
21	Microsphere-Based Hierarchically Juxtapositioned Biphasic Scaffolds Prepared from Poly(Lactic-co-Glycolic Acid) and Nanohydroxyapatite for Osteochondral Tissue Engineering. <i>Polymers</i> , <b>2016</b> , 8,	4.5	17
20	Risk Factors Analysis for the Outcome of Indirect Traumatic Optic Neuropathy With Steroid Pulse Therapy. <i>Annals of Plastic Surgery</i> , <b>2016</b> , 76 Suppl 1, S60-7	1.7	13
19	Aesthetic and Functional Outcome of Zygomatic Fractures Fixation Comparison With Resorbable Versus Titanium Plates. <i>Annals of Plastic Surgery</i> , <b>2016</b> , 76 Suppl 1, S85-90	1.7	13
18	Combined Intraoral and Endoscopic Approach for Malar Reduction. <i>Aesthetic Surgery Journal</i> , <b>2016</b> , 36, 1188-1194	2.4	4
17	In Vivo Functional Evaluation of Tissue-Engineered Vascular Grafts Fabricated Using Human Adipose-Derived Stem Cells from High Cardiovascular Risk Populations. <i>Tissue Engineering - Part A</i> , <b>2016</b> , 22, 765-75	3.9	35
16	Experience with the transparotid approach via a mini-preauricular incision for surgical management of condylar neck fractures. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , <b>2015</b> , 43, 1595-601	3.6	9
15	The Effects of Platelet-Rich Plasma on Cell Proliferation and Adipogenic Potential of Adipose-Derived Stem Cells. <i>Tissue Engineering - Part A</i> , <b>2015</b> , 21, 2714-22	3.9	49
14	Prefabricated, ear-shaped cartilage tissue engineering by scaffold-free porcine chondrocyte membrane. <i>Plastic and Reconstructive Surgery</i> , <b>2015</b> , 135, 313e-321e	2.7	19
13	Application of platelet-rich plasma and platelet-rich fibrin in fat grafting: basic science and literature review. <i>Tissue Engineering - Part B: Reviews</i> , <b>2014</b> , 20, 267-76	7.9	96

12	Osteogenic potential: Comparison between bone marrow and adipose-derived mesenchymal stem cells. <i>World Journal of Stem Cells</i> , <b>2014</b> , 6, 288-95	5.6	126
11	The osteogenesis of bone marrow stem cells on mPEG-PCL-mPEG/hydroxyapatite composite scaffold via solid freeform fabrication. <i>BioMed Research International</i> , <b>2014</b> , 2014, 321549	3	21
10	Incorporation of biphasic calcium phosphate microparticles in injectable thermoresponsive hydrogel modulates bone cell proliferation and differentiation. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 110, 120-9	6	52
9	Increasing the success of reverse sural flap from proximal part of posterior calf for traumatic foot and ankle reconstruction: patient selection and surgical refinement. <i>Microsurgery</i> , <b>2013</b> , 33, 342-9	2.1	31
8	Bone Tissue Engineering with Adipose-Derived Stem Cells in Bioactive Composites of Laser-Sintered Porous Polycaprolactone Scaffolds and Platelet-Rich Plasma. <i>Materials</i> , <b>2013</b> , 6, 4911-4929	3.5	14
7	Combination of guided osteogenesis with autologous platelet-rich fibrin glue and mesenchymal stem cell for mandibular reconstruction. <i>Journal of Trauma</i> , <b>2011</b> , 70, 228-37		37
6	IN VITRO EXPERIMENTS ON LASER SINTERED POROUS PCL SCAFFOLDS WITH POLYMER HYDROGEL FOR BONE REPAIR. <i>Journal of Mechanics in Medicine and Biology</i> , <b>2011</b> , 11, 983-992	0.7	7
5	Fabrication of tissue engineered PCL scaffold by selective laser-sintered machine for osteogenesis of adipose-derived stem cells. <i>Virtual and Physical Prototyping</i> , <b>2011</b> , 6, 57-60	10.1	25
4	Osteogenic differentiation and ectopic bone formation of canine bone marrow-derived mesenchymal stem cells in injectable thermo-responsive polymer hydrogel. <i>Tissue Engineering - Part C: Methods</i> , <b>2011</b> , 17, 1139-49	2.9	42
3	Modified retrograde-flow medial plantar island flap for reconstruction of distal dorsal forefoot defects--two case reports. <i>Microsurgery</i> , <b>2010</b> , 30, 146-50	2.1	7
2	Surgical strategies for brachial plexus polio-like paralysis. <i>Plastic and Reconstructive Surgery</i> , <b>2007</b> , 120, 482-493	2.7	13
1	Deep inferior epigastric perforator flap for successful simultaneous breast and chest wall reconstruction in a Poland anomaly patient. <i>Annals of Plastic Surgery</i> , <b>2005</b> , 55, 422-6	1.7	28