Chun-Hsu Yao

List of Publications by Year
in descending order

52 papers	1,998 citations	270111 25 h-index	274796 44 g-index
52 all docs	52 docs citations	52 times ranked	3170 citing authors

#	Article	IF	Citations
1	Fabrication of 3D Printed Poly(lactic acid)/Polycaprolactone Scaffolds Using TGF-Î²1 for Promoting Bone Regeneration. Polymers, 2021, 13, 3731.	2.0	20
2	Doxorubicinâ€“Gelatin/Fe3O4â€“Alginate Dual-Layer Magnetic Nanoparticles as Targeted Anticancer Drug Delivery Vehicles. Polymers, 2020, 12, 1747.	2.0	31
3	Effects of Electrical Stimulation on Peripheral Nerve Regeneration in a Silicone Rubber Conduit in Taxol-Treated Rats. Materials, 2020, 13, 1063.	1.3	12
4	Effects of Bilayer Nanofibrous Scaffolds Containing Curcumin/Lithospermi Radix Extract on Wound Healing in Streptozotocin-Induced Diabetic Rats. Polymers, 2019, 11, 1745.	2.0	39
5	Development of mussel-inspired 3D-printed poly (lactic acid) scaffold grafted with bone morphogenetic protein-2 for stimulating osteogenesis. Journal of Materials Science: Materials in Medicine, 2019, 30, 78.	1.7	32
6	Electrospun Poly(Î³â€“glutamic acid)/Î²â€“Tricalcium Phosphate Composite Fibrous Mats for Bone Regeneration. Polymers, 2019, 11, 227.	2.0	14
7	Effects of endogenous inflammation signals elicited by nerve growth factor, interferon-Î³, and interleukin-4 on peripheral nerve regeneration. Journal of Biological Engineering, 2019, 13, 86.	2.0	9
8	Lithospermi radix extract-containing bilayer nanofiber scaffold for promoting wound healing in a rat model. Materials Science and Engineering C, 2019, 96, 850-858.	3.8	37
9	Surgical results of cranioplasty using three-dimensional printing technology. Clinical Neurology and Neurosurgery, 2018, 168, 118-123.	0.6	31
10	Wound-healing effect of electrospun gelatin nanofibres containingCentella asiaticaextract in a rat model. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 905-915.	1.3	116
11	Effects of Taxol on Regeneration in a Rat Sciatic Nerve Transection Model. Scientific Reports, 2017, 7, 42280.	1.6	13
12	Biodegradable Bisvinyl Sulfonemethyl-crosslinked Gelatin Conduit Promotes Regeneration after Peripheral Nerve Injury in Adult Rats. Scientific Reports, 2017, 7, 17489.	1.6	27
13	Small-Field Measurements of 3D Polymer Gel Dosimeters through Optical Computed Tomography. PLoS ONE, 2016, 11, e0151300.	1.1	20
14	Mitotic arrest induced in human DU145 prostate cancer cells in response to KHC-4 treatment. Environmental Toxicology, 2016, 31, 1879-1887.	2.1	2
15	Dressing with epigallocatechin gallate nanoparticles for wound regeneration. Wound Repair and Regeneration, 2016, 24, 287-301.	1.5	27
16	Time-Course Effect of Electrical Stimulation on Nerve Regeneration of Diabetic Rats. PLoS ONE, 2015, 10, e0116711.	1.1	17
17	Porous gelatin/tricalcium phosphate/genipin composites containing lumbrokinase for bone repair. Bone, 2015, 78, 15-22.	1.4	23
18	Enhanced Bone Tissue Regeneration by Porous Gelatin Composites Loaded with the Chinese Herbal Decoction Danggui Buxue Tang. PLoS ONE, 2015, 10, e0131999.	1.1	29

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19	Earthworm (Pheretima aspergillum) extract stimulates osteoblast activity and inhibits osteoclast differentiation. BMC Complementary and Alternative Medicine, 2014, 14, 440.	3.7	19
20	Current-modulated electrical stimulation as a treatment for peripheral nerve regeneration in diabetic rats. Restorative Neurology and Neuroscience, 2014, 32, 437-446.	0.4	12
21	Dose evaluation of an NIPAM polymer gel dosimeter using gamma index. Radiation Physics and Chemistry, 2014, 104, 180-187.	1.4	15
22	The pig as an experimental model for mid-dermal burns research. Burns, 2014, 40, 1679-1688.	1.1	29
23	Rat bone marrow stromal cells-seeded porous gelatin/tricalcium phosphate/oligomeric proanthocyanidins composite scaffold for bone repair. Journal of Tissue Engineering and Regenerative Medicine, 2013, 7, 708-719.	1.3	16
24	Autologous bone marrow stromal cells loaded onto porous gelatin scaffolds containing Drynaria fortunei extract for bone repair. Journal of Biomedical Materials Research - Part A, 2013, 101A, 954-962.	2.1	10
25	A Novel Porous Gelatin Composite Containing Naringin for Bone Repair. Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-10.	0.5	19
26	High-Frequency Electrical Stimulation Can Be a Complementary Therapy to Promote Nerve Regeneration in Diabetic Rats. PLoS ONE, 2013, 8, e79078.	1.1	27
27	Electrical stimulation improves peripheral nerve regeneration in streptozotocin-induced diabetic rats. Journal of Trauma, 2012, 72, 199-205.	2.3	19
28	Repair of Chondral Defects With Allogenous Chondrocyteâ€Seeded Hyaluronan/Collagen II Microspheres in a Rabbit Model. Artificial Organs, 2012, 36, E102-9.	1.0	11
29	Evaluation of proanthocyanidin-crosslinked electrospun gelatin nanofibers for drug delivering system. Materials Science and Engineering C, 2012, 32, 2476-2483.	3.8	51
30	Cell adhesion and proliferation enhancement by gelatin nanofiber scaffolds. Journal of Bioactive and Compatible Polymers, 2011, 26, 565-577.	0.8	142
31	Novel use of biodegradable casein conduits for guided peripheral nerve regeneration. Journal of the Royal Society Interface, 2011, 8, 1622-1634.	1.5	21
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37	Reconstruction of calvarial defect using a tricalcium phosphate-oligomeric proanthocyanidins cross-linked gelatin composite. Biomaterials, 2009, 30, 1682-1688.	5.7	34
38	Novel Bone Substitute Composed of Oligomeric Proanthocyanidinsâ€Crosslinked Gelatin and Tricalcium Phosphate. Macromolecular Bioscience, 2008, 8, 942-950.	2.1	22
39	A novel bone substitute composite composed of tricalcium phosphate, gelatin and drynaria fortunei herbal extract. Journal of Biomedical Materials Research - Part A, 2008, 84A, 167-177.	2.1	37
40	Effects of Electrical Stimulation at Different Frequencies on Regeneration of Transected Peripheral Nerve. Neurorehabilitation and Neural Repair, 2008, 22, 367-373.	1.4	102
41	Fabrication and evaluation of a new composite composed of tricalcium phosphate, gelatin, and Chinese medicine as a bone substitute. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2005, 75B, 277-288.	1.6	25
42	Calvarial bone response to a tricalcium phosphate-genipin crosslinked gelatin composite. Biomaterials, 2005, 26, 3065-3074.	5.7	62
43	An in vivo evaluation of a biodegradable genipin-cross-linked gelatin peripheral nerve guide conduit material. Biomaterials, 2005, 26, 3911-3918.	5.7	189
44	Preparation of networks of gelatin and genipin as degradable biomaterials. Materials Chemistry and Physics, 2004, 83, 204-208.	2.0	175
45	Biocompatibility and biodegradation of a bone composite containing tricalcium phosphate and genipin crosslinked gelatin. Journal of Biomedical Materials Research Part B, 2004, 69A, 709-717.	3.0	87
46	In vitro evaluation of degradation and cytotoxicity of a novel composite as a bone substitute. Journal of Biomedical Materials Research - Part A, 2003, 67A, 1163-1169.	2.1	49
47	Fabrication and Evaluation of a New Composite Composed of Tricalcium Phosphate, Gelatin and Chi-Li-Saan as a Bone Substitute. The American Journal of Chinese Medicine, 2002, 30, 471-482.	1.5	13
48	Osteogenic Evaluation of Glutaraldehyde Crosslinked Gelatin Composite with Fetal Rat Calvarial Culture Model. Artificial Organs, 2001, 25, 644-654.	1.0	14
49	Effects of percutaneous electrical stimulation on peripheral nerve regeneration using silicone rubber chambers. Journal of Biomedical Materials Research Part B, 2001, 57, 541-549.	3.0	29
50	Effect of Acupuncture Stimulation on Peripheral Nerve Regeneration Using Silicone Rubber Chambers. The American Journal of Chinese Medicine, 2001, 29, 377-385.	1.5	22
51	Biological effects and cytotoxicity of the composite composed by tricalcium phosphate and glutaraldehyde cross-linked gelatin. Biomaterials, 1998, 19, 905-917.	5.7	86
52	Biological effects and cytotoxicity of tricalcium phosphate and formaldehyde cross-linked gelatin composite. Materials Chemistry and Physics, 1996, 45, 6-14.	2.0	42