

Ming-hong Chen

List of Publications by Year in descending order

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57
papers

2,213
citations

279798

23
h-index

223800

46
g-index

57
all docs

57
docs citations

57
times ranked

3778
citing authors

#	ARTICLE	IF	CITATIONS
1	Neural stem cells encapsulated in a functionalized self-assembling peptide hydrogel for brain tissue engineering. <i>Biomaterials</i> , 2013, 34, 2005-2016.	11.4	334
2	Control of three-dimensional substrate stiffness to manipulate mesenchymal stem cell fate toward neuronal or glial lineages. <i>Acta Biomaterialia</i> , 2013, 9, 5170-5180.	8.3	166
3	Icariin inhibits osteoclast differentiation and bone resorption by suppression of MAPKs/NF- κ B regulated HIF-1 α and PGE2 synthesis. <i>Phytomedicine</i> , 2011, 18, 176-185.	5.3	151
4	Natural and Synthetic Polyblend Nanofibers for Biomedical Applications. <i>Advanced Materials</i> , 2009, 21, 2792-2797.	21.0	145
5	Simvastatin promotes osteoblast viability and differentiation via Ras/Smad/Erk/BMP-2 signaling pathway. <i>Nutrition Research</i> , 2010, 30, 191-199.	2.9	144
6	Icariin isolated from <i>Epimedium pubescens</i> regulates osteoblasts anabolism through BMP-2, SMAD4, and Cbfa1 expression. <i>Phytomedicine</i> , 2010, 17, 414-423.	5.3	137
7	Multichanneled Nerve Guidance Conduit with Spatial Gradients of Neurotrophic Factors and Oriented Nanotopography for Repairing the Peripheral Nervous System. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 37623-37636.	8.0	92
8	Effects of Shock Waves on Tenocyte Proliferation and Extracellular Matrix Metabolism. <i>Ultrasound in Medicine and Biology</i> , 2008, 34, 841-852.	1.5	78
9	Icariin protects murine chondrocytes from lipopolysaccharide-induced inflammatory responses and extracellular matrix degradation. <i>Nutrition Research</i> , 2010, 30, 57-65.	2.9	75
10	Release characteristics and bioactivity of gelatin-tricalcium phosphate membranes covalently immobilized with nerve growth factors. <i>Biomaterials</i> , 2005, 26, 6579-6587.	11.4	64
11	Glycosaminoglycan-based hybrid hydrogel encapsulated with polyelectrolyte complex nanoparticles for endogenous stem cell regulation in central nervous system regeneration. <i>Biomaterials</i> , 2018, 174, 17-30.	11.4	61
12	Biocompatibility of NGF-grafted GTG membranes for peripheral nerve repair using cultured Schwann cells. <i>Biomaterials</i> , 2004, 25, 5667-5673.	11.4	47
13	Role of macrophage infiltration in the orbital fat of patients with Graves's™ ophthalmopathy. <i>Clinical Endocrinology</i> , 2008, 69, 332-337.	2.4	46
14	Cervical subdural empyema following acupuncture. <i>Journal of Clinical Neuroscience</i> , 2004, 11, 909-911.	1.5	45
15	On-site alginate gelation for enhanced cell proliferation and uniform distribution in porous scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 86A, 552-559.	4.0	38
16	Effects of Low Intensity Pulsed Ultrasound on Rat Schwann Cells Metabolism. <i>Artificial Organs</i> , 2011, 35, 373-383.	1.9	38
17	Gelatin-tricalcium phosphate membranes immobilized with NGF, BDNF, or IGF-1 for peripheral nerve repair: An in vitro and in vivo study. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 79A, 846-857.	4.0	34
18	An in vivo study of tricalcium phosphate and glutaraldehyde crosslinking gelatin conduits in peripheral nerve repair. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2006, 77B, 89-97.	3.4	33

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19	Mechanical stress-induced apoptosis of nucleus pulposus cells: an in vitro and in vivo rat model. <i>Journal of Orthopaedic Science</i> , 2014, 19, 313-322.	1.1	32
20	A magnetic vehicle realized tumor cell-targeted radiotherapy using low-dose radiation. <i>Journal of Controlled Release</i> , 2016, 226, 182-192.	9.9	30
21	An injectable extracellular matrix for the reconstruction of epidural fat and the prevention of epidural fibrosis. <i>Biomedical Materials (Bristol)</i> , 2016, 11, 035010.	3.3	29
22	A nanovehicle developed for treating deep-seated bacteria using low-dose X-ray. <i>Acta Biomaterialia</i> , 2017, 47, 159-169.	8.3	28
23	Combining Augmented Radiotherapy and Immunotherapy through a Nano-Gold and Bacterial Outer-Membrane Vesicle Complex for the Treatment of Glioblastoma. <i>Nanomaterials</i> , 2021, 11, 1661.	4.1	28
24	A Novel Micelle-Forming Material Used for Preparing a Theranostic Vehicle Exhibiting Enhanced in Vivo Therapeutic Efficacy. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 3704-3719.	6.4	23
25	Development of biomimetic micro-patterned device incorporated with neurotrophic gradient and supportive Schwann cells for the applications in neural tissue engineering. <i>Biofabrication</i> , 2017, 9, 015024.	7.1	22
26	Second messengers mediating the proliferation and collagen synthesis of tenocytes induced by low-level laser irradiation. <i>Lasers in Medical Science</i> , 2015, 30, 263-272.	2.1	21
27	A lumbar clear cell meningioma with foraminal extension in a renal transplant recipient. <i>Journal of Clinical Neuroscience</i> , 2004, 11, 665-667.	1.5	20
28	Ibuprofen-conjugated hyaluronate/polygalacturonic acid hydrogel for the prevention of epidural fibrosis. <i>Journal of Biomaterials Applications</i> , 2016, 30, 1589-1600.	2.4	19
29	Low-intensity pulsed ultrasound stimulates matrix metabolism of human annulus fibrosus cells mediated by transforming growth factor β 1 and extracellular signal-regulated kinase pathway. <i>Connective Tissue Research</i> , 2015, 56, 219-227.	2.3	17
30	Impact of Intraoperative 3-Dimensional Volume-Rendering Rotational Angiography on Clip Repositioning Rates in Aneurysmal Surgery. <i>World Neurosurgery</i> , 2018, 114, e573-e580.	1.3	17
31	In situ forming hydrogel composed of hyaluronate and polygalacturonic acid for prevention of peridural fibrosis. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 168.	3.6	15
32	One-stop radiotherapeutic targeting of primary and distant osteosarcoma to inhibit cancer progression and metastasis using 2DG-grafted graphene quantum dots. <i>Nanoscale</i> , 2020, 12, 8809-8818.	5.6	15
33	Catheter Migration After Implantation of an Intrathecal Baclofen Infusion Pump for Severe Spasticity: A Case Report. <i>Kaohsiung Journal of Medical Sciences</i> , 2008, 24, 492-497.	1.9	14
34	Centrifugal Force Induces Human Ligamentum Flavum Fibroblasts Inflammation Through Activation of JNK and p38 Pathways. <i>Connective Tissue Research</i> , 2012, 53, 422-429.	2.3	14
35	Using Gold-Nanorod-Filled Mesoporous Silica Nanobeads for Enhanced Radiotherapy of Oral Squamous Carcinoma. <i>Nanomaterials</i> , 2021, 11, 2235.	4.1	13
36	Dose-dependent regulation of cell proliferation and collagen degradation by estradiol on ligamentum flavum. <i>BMC Musculoskeletal Disorders</i> , 2014, 15, 238.	1.9	12

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37	Elastin-Derived Peptides Induce Inflammatory Responses through the Activation of NF- κ B in Human Ligamentum Flavum Cells. <i>Connective Tissue Research</i> , 2012, 53, 407-414.	2.3	11
38	Vitamin-D Binding Protein Does Not Enhance Healing in Rat Bone Defects: A Pilot Study. <i>Clinical Orthopaedics and Related Research</i> , 2009, 467, 3156-3164.	1.5	10
39	Tumor cell-targeting radiotherapy in the treatment of glioblastoma multiforme using linear accelerators. <i>Acta Biomaterialia</i> , 2021, 125, 300-311.	8.3	10
40	Lysosome-Related Genes Are Regulated in the Orbital Fat of Patients with Graves's™ Ophthalmopathy. , 2008, 49, 4760.		9
41	Study of a novel vehicle developed for enhancing the efficacy of radiation therapy. <i>Ceramics International</i> , 2017, 43, S789-S796.	4.8	9
42	THE EVALUATION OF THERMAL PROPERTIES AND IN VITRO TEST OF CARBODIIMIDE OR GLUTARALDEHYDE CROSS-LINKED GELATIN FOR PC 12 CELLS CULTURE. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2005, 17, 101-107.	0.6	8
43	The cross-talk between transforming growth factor-beta1 and ultrasound stimulation during mechanotransduction of rat tenocytes. <i>Connective Tissue Research</i> , 2011, 52, 313-321.	2.3	8
44	A mutation of the Col2a1 gene (G1170S) alters the transgenic murine phenotype and cartilage matrix homeostasis. <i>Journal of the Formosan Medical Association</i> , 2014, 113, 803-812.	1.7	8
45	MRI features of an infected cephalhaematoma in a neonate. <i>Journal of Clinical Neuroscience</i> , 2006, 13, 849-852.	1.5	6
46	Transfemoral Approach for Intraoperative Angiography in the Prone or Three-quarter Prone Position. <i>Clinical Neuroradiology</i> , 2020, 30, 373-379.	1.9	6
47	Transarterial embolization in the treatment of life-threatening maxillofacial bleeding. <i>American Journal of Emergency Medicine</i> , 2002, 20, 380-381.	1.6	5
48	Preliminary clinical experience with polyetheretherketone cages filled with synthetic crystallic semihydrate form of calcium sulfate for anterior cervical discectomy and fusion. <i>Formosan Journal of Surgery</i> , 2013, 46, 109-115.	0.2	5
49	In Vitro Differentiation of Human Placenta-Derived Multipotent Cells into Schwann-Like Cells. <i>Biomolecules</i> , 2020, 10, 1657.	4.0	5
50	GELATIN-TRICALCIUM PHOSPHATE MEMBRANE MODIFIED WITH NGF AND CULTURED SCHWANN CELLS FOR PERIPHERAL NERVE REPAIR: A TISSUE ENGINEERING APPROACH. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2006, 18, 47-54.	0.6	4
51	Using a Hybrid Radioenhancer to Discover Tumor Cell-targeted Treatment for Osteosarcoma: An In Vitro Study. <i>Current Medicinal Chemistry</i> , 2021, 28, 3877-3889.	2.4	3
52	Dumbbell-shaped cervical spinal neurilemmoma presenting as neck mass. <i>Journal of Laryngology and Otology</i> , 2005, 119, 1018-1020.	0.8	2
53	A Novel Nonpedicular Screw-Based Fixation in Lumbar Spondylolisthesis. <i>BioMed Research International</i> , 2017, 2017, 1-6.	1.9	2
54	An Engineered Gene Nanovehicle Developed for Smart Gene Therapy to Selectively Inhibit Smooth Muscle Cells: An In Vitro Study. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1530.	4.1	2

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55	Partial enzyme digestion facilitates regeneration of crushed nerve in rat. <i>Translational Neuroscience</i> , 2020, 11, 251-263.	1.4	2
56	Drainage outflow restriction as a parameter associated with cortical venous reflux in craniofacial arteriovenous malformations with cavernous sinus drainage. <i>Neuroradiology</i> , 2019, 61, 613-620.	2.2	1
57	Low-Dose Precision Radiotherapy for Glioblastoma Multiforme Via Programmed Combination for Sensitized Radioenhancement. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0