

Chih-Hwa Chen

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.

48
papers

559
citations

13
h-index

22
g-index

55
ext. papers

799
ext. citations

5.2
avg, IF

4.45
L-index

#	Paper	IF	Citations
48	Calcium peroxide aids tyramine-alginate gel to crosslink with tyrosinase for efficient cartilage repair.. <i>International Journal of Biological Macromolecules</i> , 2022 ,	7.9	3
47	Combining Mg ₂ SiO ₄ Bulk Metallic Glass with a Mesoporous Silica Nanocomposite for Bone Tissue Engineering. <i>Pharmaceutics</i> , 2022 , 14, 1078	6.4	1
46	Design and Development of Magnesium-Based Suture Anchor for Rotator Cuff Repair Using Finite Element Analysis and In Vitro Testing. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 9602	2.6	2
45	Hyaluronic Acid Supplement as a Chondrogenic Adjuvant in Promoting the Therapeutic Efficacy of Stem Cell Therapy in Cartilage Healing. <i>Pharmaceutics</i> , 2021 , 13,	6.4	3
44	Strontium ranelate-laden near-infrared photothermal-inspired methylcellulose hydrogel for arthritis treatment. <i>Materials Science and Engineering C</i> , 2021 , 123, 111980	8.3	8
43	Attachment of the levator ani muscle extends to the superior ramus of the pubic bone through electrophysiological and anatomical examinations. <i>Scientific Reports</i> , 2021 , 11, 9483	4.9	0
42	Facilitated and Controlled Strontium Ranelate Delivery Using GCS-HA Nanocarriers Embedded into PEGDA Coupled with Decortication Driven Spinal Regeneration. <i>International Journal of Nanomedicine</i> , 2021 , 16, 4209-4224	7.3	1
41	Label-Free, Smartphone-Based, and Sensitive Nano-Structural Liquid Crystal Aligned by Ceramic Silicon Compound-Constructed DMOAP-Based Biosensor for the Detection of Urine Albumin. <i>International Journal of Nanomedicine</i> , 2021 , 16, 763-773	7.3	4
40	Bioactive Glass Fiber-Reinforced Plastic Composites Prompt a Crystallographic Lophelia Atoll-Like Skeletal Microarchitecture Actuating Periosteal Cambium. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 32226-32241	9.5	2
39	Enzymatically triggered graphene oxide released from multifunctional carriers boosts anti-pathogenic properties for promising wound-healing applications. <i>Materials Science and Engineering C</i> , 2021 , 128, 112265	8.3	9
38	Effectiveness of treating segmental bone defects with a synergistic co-delivery approach with platelet-rich fibrin and tricalcium phosphate. <i>Materials Science and Engineering C</i> , 2021 , 129, 112364	8.3	2
37	Photothermal-Irradiated Polyethyleneimine-Polypyrrole Nanopigment Film-Coated Polyethylene Fabrics for Infrared-Inspired with Pathogenic Evaluation. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 2483-2495	9.5	11
36	Cervical Spine Pathology Increases the Risk of Rotator Cuff Tear: A Population-Based Cohort Study.. <i>Orthopaedic Journal of Sports Medicine</i> , 2021 , 9, 23259671211058726	3.5	
35	Injury mechanism affects the stability of suture-button syndesmosis fixation. <i>Journal of Orthopaedic Surgery and Research</i> , 2020 , 15, 599	2.8	1
34	Cytokine and Growth Factor Delivery from Implanted Platelet-Rich Fibrin Enhances Rabbit Achilles Tendon Healing. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	8
33	Biomechanical comparison of four tibial fixation techniques for meniscal root sutures in posterior medial meniscus root repair: A porcine study. <i>Journal of Orthopaedic Translation</i> , 2020 , 24, 144-149	4.2	1
32	Relationship between the Surface Roughness of Biodegradable Mg-Based Bulk Metallic Glass and the Osteogenetic Ability of MG63 Osteoblast-Like Cells. <i>Materials</i> , 2020 , 13,	3.5	8

31	Platelet-Rich Fibrin Facilitates One-Stage Cartilage Repair by Promoting Chondrocytes Viability, Migration, and Matrix Synthesis. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	5
30	Thermosensitive Chitosan-Gelatin-Glycerol Phosphate Hydrogels as Collagenase Carrier for Tendon-Bone Healing in a Rabbit Model. <i>Polymers</i> , 2020 , 12,	4.5	16
29	A bi-phase core-shell structure of Mg-based bulk metallic glass for application in orthopedic fixation implants. <i>Materials Science and Engineering C</i> , 2020 , 111, 110783	8.3	4
28	Differential MMP 1 and MMP 13 expression in proliferation and ligamentization phases of graft remodeling in anterior cruciate ligament reconstruction. <i>Connective Tissue Research</i> , 2020 , 1-8	3.3	2
27	Microplasma Cross-Linked Graphene Oxide-Gelatin Hydrogel for Cartilage Reconstructive Surgery. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 86-95	9.5	14
26	New Insight into Natural Extracellular Matrix: Genipin Cross-Linked Adipose-Derived Stem Cell Extracellular Matrix Gel for Tissue Engineering. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	9
25	Concentrated stress effects of contoured and non-contoured high Tibial osteotomy plates: A finite-element study. <i>Clinical Biomechanics</i> , 2020 , 78, 105089	2.2	1
24	Novel gelatin-graphene oxide crosslinking induced by nonthermal atmospheric pressure plasma for alendronate delivery system. <i>Plasma Processes and Polymers</i> , 2020 , 17, 2000110	3.4	5
23	Novel transplant of combined platelet-rich fibrin Releasate and bone marrow stem cells prevent bone loss in Ovariectomized osteoporotic mice. <i>BMC Musculoskeletal Disorders</i> , 2020 , 21, 527	2.8	3
22	Biocompatibility and Osteogenic Capacity of Mg-Zn-Ca Bulk Metallic Glass for Rabbit Tendon-Bone Interference Fixation. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	15
21	Osteoporosis risk assessment using multilayered gold-nanoparticle thin film via SALDI-MS measurement. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 2793-2802	4.4	18
20	Effects of Genital Nerve Stimulation Amplitude on Bladder Capacity in Spinal Cord Injured Subjects. <i>Evidence-based Complementary and Alternative Medicine</i> , 2019 , 2019, 1248342	2.3	1
19	A bioinspired hyperthermic macrophage-based polypyrrole-polyethylenimine (Ppy-PEI) nanocomplex carrier to prevent and disrupt thrombotic fibrin clots. <i>Acta Biomaterialia</i> , 2019 , 96, 468-479	10.8	17
18	Intermittent Parathyroid Hormone Injection Can Decrease Femoral Head Collapse in the Vascular Deprivation of Rat Femoral Head Model. <i>Indian Journal of Orthopaedics</i> , 2019 , 53, 340-346	1.3	1
17	Genipin-crosslinked adipose stem cell derived extracellular matrix-nano graphene oxide composite sponge for skin tissue engineering. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 979-990	7.3	28
16	A Gelatin Hydrogel-Containing Nano-Organic PEI/Ppy with a Photothermal Responsive Effect for Tissue Engineering Applications. <i>Molecules</i> , 2018 , 23,	4.8	36
15	Novel technique for repairing posterior medial meniscus root tears using porcine knees and biomechanical study. <i>PLoS ONE</i> , 2018 , 13, e0192027	3.7	4
14	Facilitating In Vivo Articular Cartilage Repair by Tissue-Engineered Cartilage Grafts Produced From Auricular Chondrocytes. <i>American Journal of Sports Medicine</i> , 2018 , 46, 713-727	6.8	12

13	Sintered dicalcium pyrophosphate treatment attenuates estrogen deficiency-associated disc degeneration in ovariectomized rats. <i>Drug Design, Development and Therapy</i> , 2018 , 12, 3033-3041	4.4	2
12	Effectiveness of Strontium Ranelate in the Treatment of Rat Model of Legg-Calve-Perthes Disease. <i>Indian Journal of Orthopaedics</i> , 2018 , 52, 380-386	1.3	2
11	Hydrogels for the Application of Articular Cartilage Tissue Engineering: A Review of Hydrogels. <i>Advances in Materials Science and Engineering</i> , 2018 , 2018, 1-13	1.5	25
10	Arthroscopic extended rotator interval release for treating refractory adhesive capsulitis. <i>Journal of Orthopaedic Surgery</i> , 2017 , 25, 2309499017692717	1.4	9
9	Single-Stage Cartilage Repair Using Platelet-Rich Fibrin Scaffolds With Autologous Cartilaginous Grafts. <i>American Journal of Sports Medicine</i> , 2017 , 45, 3128-3142	6.8	24
8	Bone biomarker for the clinical assessment of osteoporosis: recent developments and future perspectives. <i>Biomarker Research</i> , 2017 , 5, 18	8	147
7	Microplasma-assisted hydrogel fabrication: A novel method for gelatin-graphene oxide nano composite hydrogel synthesis for biomedical application. <i>PeerJ</i> , 2017 , 5, e3498	3.1	20
6	Differentiation Effects of Platelet-Rich Plasma Concentrations on Synovial Fluid Mesenchymal Stem Cells from Pigs Cultivated in Alginate Complex Hydrogel. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 18507-21	6.3	17
5	Evaluating Osteogenic Potential of Ligamentum Flavum Cells Cultivated in Photoresponsive Hydrogel that Incorporates Bone Morphogenetic Protein-2 for Spinal Fusion. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 23318-36	6.3	7
4	Biological fixation in anterior cruciate ligament surgery. <i>Asia-Pacific Journal of Sports Medicine, Arthroscopy, Rehabilitation and Technology</i> , 2014 , 1, 48-53	1.2	2
3	Clinical results of hamstring autografts in anterior cruciate ligament reconstruction: a comparison of femoral knot/press-fit fixation and interference screw fixation. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2014 , 30, 823-32	5.4	10
2	Interference screw versus Endoscrew fixation for anterior cruciate ligament reconstruction: A biomechanical comparative study in sawbones and porcine knees. <i>Journal of Orthopaedic Translation</i> , 2014 , 2, 82-90	4.2	9
1	Bioengineered periosteal progenitor cell sheets to enhance tendon-bone healing in a bone tunnel. <i>Biomedical Journal</i> , 2012 , 35, 473-80	7.1	27