

Chih-Hwa Chen

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,040
citations

489802

18
h-index

511568

30
g-index

55
all docs

55
docs citations

55
times ranked

1749
citing authors

#	ARTICLE	IF	CITATIONS
1	Calcium peroxide aids tyramine-alginate gel to crosslink with tyrosinase for efficient cartilage repair. <i>International Journal of Biological Macromolecules</i> , 2022, 208, 299-313.	3.6	10
2	Combining Mg-Zn-Ca Bulk Metallic Glass with a Mesoporous Silica Nanocomposite for Bone Tissue Engineering. <i>Pharmaceutics</i> , 2022, 14, 1078.	2.0	6
3	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, Volume 16, 763-773.	3.3	17
4	Hyaluronic Acid Supplement as a Chondrogenic Adjuvant in Promoting the Therapeutic Efficacy of Stem Cell Therapy in Cartilage Healing. <i>Pharmaceutics</i> , 2021, 13, 432.	2.0	7
5	Strontium ranelate-laden near-infrared photothermal-inspired methylcellulose hydrogel for arthritis treatment. <i>Materials Science and Engineering C</i> , 2021, 123, 111980.	3.8	25
6	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.	1.6	4
7	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, Volume 16, 4209-4224.	3.3	11
8	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.	4.0	3
9	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.	3.8	21
10	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.	3.8	7
11	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.	4.0	22
12	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.	1.3	3
13	Cervical Spine Pathology Increases the Risk of Rotator Cuff Tear: A Population-Based Cohort Study. <i>Orthopaedic Journal of Sports Medicine</i> , 2021, 9, 2325967121110587.	0.8	4
14	Microplasma Cross-Linked Graphene Oxide-Gelatin Hydrogel for Cartilage Reconstructive Surgery. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 86-95.	4.0	39
15	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, 4864.	1.8	22
16	Concentrated stress effects of contoured and non-contoured high Tibial osteotomy plates: A finite-element study. <i>Clinical Biomechanics</i> , 2020, 78, 105089.	0.5	3
17	Novel gelatin-graphene oxide crosslinking induced by nonthermal atmospheric pressure plasma for alendronate delivery system. <i>Plasma Processes and Polymers</i> , 2020, 17, 2000110.	1.6	10
18	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.	0.8	6

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19	Injury mechanism affects the stability of suture-button syndesmosis fixation. <i>Journal of Orthopaedic Surgery and Research</i> , 2020, 15, 599.	0.9	1
20	Cytokine and Growth Factor Delivery from Implanted Platelet-Rich Fibrin Enhances Rabbit Achilles Tendon Healing. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3221.	1.8	20
21	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.	1.9	7
22	Relationship between the Surface Roughness of Biodegradable Mg-Based Bulk Metallic Glass and the Osteogenic Ability of MG63 Osteoblast-Like Cells. <i>Materials</i> , 2020, 13, 1188.	1.3	19
23	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, 577.	1.8	15
24	Thermosensitive Chitosan-Gelatin-Glycerol Phosphate Hydrogels as Collagenase Carrier for Tendon-Bone Healing in a Rabbit Model. <i>Polymers</i> , 2020, 12, 436.	2.0	24
25	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.	3.8	8
26	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.	1.1	3
27	Effects of Genital Nerve Stimulation Amplitude on Bladder Capacity in Spinal Cord Injured Subjects. <i>Evidence-based Complementary and Alternative Medicine</i> , 2019, 2019, 1-9.	0.5	2
28	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.	4.1	34
29	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, 2191.	1.8	23
30	Osteoporosis risk assessment using multilayered gold-nanoparticle thin film via SALDI-MS measurement. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 2793-2802.	1.9	27
31	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.	0.5	1
32	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.	2.9	41
33	Clinical translation and application in orthopaedics. <i>Journal of Orthopaedic Translation</i> , 2018, 12, A3-A4.	1.9	4
34	The impact of translational orthopaedic research: <i>Journal of Orthopaedic Translation</i> indexed in Science Citation Index Expanded. <i>Journal of Orthopaedic Translation</i> , 2018, 12, A1-A2.	1.9	2
35	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.	1.9	23
36	Sintered dicalcium pyrophosphate treatment attenuates estrogen deficiency-associated disc degeneration in ovariectomized rats. <i>Drug Design, Development and Therapy</i> , 2018, Volume 12, 3033-3041.	2.0	3

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37	Effectiveness of Strontium Ranelate in the Treatment of Rat Model of Legg-Calve-Perthes Disease. Indian Journal of Orthopaedics, 2018, 52, 380-386.	0.5	4
38	Hydrogels for the Application of Articular Cartilage Tissue Engineering: A Review of Hydrogels. Advances in Materials Science and Engineering, 2018, 2018, 1-13.	1.0	44
39	A Gelatin Hydrogel-Containing Nano-Organic PEI-Ppy with a Photothermal Responsive Effect for Tissue Engineering Applications. Molecules, 2018, 23, 1256.	1.7	50
40	Journal of Orthopaedic Translation now indexed in PubMed Central. Journal of Orthopaedic Translation, 2018, 13, A1-A2.	1.9	0
41	Novel technique for repairing posterior medial meniscus root tears using porcine knees and biomechanical study. PLoS ONE, 2018, 13, e0192027.	1.1	6
42	Arthroscopic extended rotator interval release for treating refractory adhesive capsulitis. Journal of Orthopaedic Surgery, 2017, 25, 230949901769271.	0.4	14
43	Single-Stage Cartilage Repair Using Platelet-Rich Fibrin Scaffolds With Autologous Cartilaginous Grafts. American Journal of Sports Medicine, 2017, 45, 3128-3142.	1.9	38
44	Bone biomarker for the clinical assessment of osteoporosis: recent developments and future perspectives. Biomarker Research, 2017, 5, 18.	2.8	289
45	Microplasma-assisted hydrogel fabrication: A novel method for gelatin-graphene oxide nano composite hydrogel synthesis for biomedical application. PeerJ, 2017, 5, e3498.	0.9	29
46	Differentiation Effects of Platelet-Rich Plasma Concentrations on Synovial Fluid Mesenchymal Stem Cells from Pigs Cultivated in Alginate Complex Hydrogel. International Journal of Molecular Sciences, 2015, 16, 18507-18521.	1.8	19
47	Evaluating Osteogenic Potential of Ligamentum Flavum Cells Cultivated in Photoresponsive Hydrogel that Incorporates Bone Morphogenetic Protein-2 for Spinal Fusion. International Journal of Molecular Sciences, 2015, 16, 23318-23336.	1.8	7
48	Biological fixation in anterior cruciate ligament surgery. Asia-Pacific Journal of Sports Medicine, Arthroscopy, Rehabilitation and Technology, 2014, 1, 48-53.	0.4	4
49	Clinical Results of Hamstring Autografts in Anterior Cruciate Ligament Reconstruction: A Comparison of Femoral Knot/Press-Fit Fixation and Interference Screw Fixation. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2014, 30, 823-832.	1.3	10
50	Interference screw versus Endoscrew fixation for anterior cruciate ligament reconstruction: A biomechanical comparative study in sawbones and porcine knees. Journal of Orthopaedic Translation, 2014, 2, 82-90.	1.9	13
51	Bioengineered Periosteal Progenitor Cell Sheets to Enhance Tendon-Bone Healing in A Bone Tunnel. Biomedical Journal, 2012, 35, 473.	1.4	36