Ling Qin

List of Publications by Year
in descending order

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372 papers	16,528 citations	17429 63 h-index	25770 108 g-index
406 all docs	406 docs citations	406 times ranked	16050 citing authors

#	Article	IF	Citations
1	Magnesium implantation or supplementation ameliorates bone disorder in CFTR-mutant mice through an ATF4-dependent Wnt/Î²-catenin signaling. Bioactive Materials, 2022, 8, 95-108.	8.6	24
2	Anti-infection mechanism of a novel dental implant made of titanium-copper (TiCu) alloy and its mechanism associated with oral microbiology. Bioactive Materials, 2022, 8, 381-395.	8.6	29
3	Implantable Electrical Stimulation at Dorsal Root Ganglions Accelerates Osteoporotic Fracture Healing via Calcitonin Geneâ€Related Peptide. Advanced Science, 2022, 9, e2103005.	5.6	42
4	Macrophages in epididymal adipose tissue secrete osteopontin to regulate bone homeostasis. Nature Communications, 2022, 13, 427.	5.8	29
5	Magnesium facilitates the healing of atypical femoral fractures: A single-cell transcriptomic study. Materials Today, 2022, 52, 43-62.	8.3	14
6	Recent Advances of Microneedles and Their Application in Disease Treatment. International Journal of Molecular Sciences, 2022, 23, 2401.	1.8	11
7	Promoting osteointegration effect of Cu-alloyed titanium in ovariectomized rats. International Journal of Energy Production and Management, 2022, 9, rbac011.	1.9	8
8	Biodegradable magnesium implant enhances angiogenesis and alleviates medication-related osteonecrosis of the jaw in rats. Journal of Orthopaedic Translation, 2022, 33, 153-161.	1.9	19
9	Puerarin specifically disrupts osteoclast activation via blocking integrin-Î²3 Pyk2/Src/Cbl signaling pathway. Journal of Orthopaedic Translation, 2022, 33, 55-69.	1.9	17
10	3D-printed NIR-responsive shape memory polyurethane/magnesium scaffolds with tight-contact for robust bone regeneration. Bioactive Materials, 2022, 16, 218-231.	8.6	29
11	Magnesiumâ€Encapsulated Injectable Hydrogel and 3Dâ€Engineered Polycaprolactone Conduit Facilitate Peripheral Nerve Regeneration. Advanced Science, 2022, 9, .	5.6	45
12	Calcitonin Gene-Related Peptide Enhances Distraction Osteogenesis by Increasing Angiogenesis. Tissue Engineering - Part A, 2021, 27, 87-102.	1.6	44
13	Comparison of modified injection molding and conventional machining in biodegradable behavior of perforated cannulated magnesium hip stents. Journal of Materials Science and Technology, 2021, 63, 145-160.	5.6	23
14	Magnesium-pretreated periosteum for promoting bone-tendon healing after anterior cruciate ligament reconstruction. Biomaterials, 2021, 268, 120576.	5.7	32
15	The causal effect of interleukin-17 on the risk of psoriatic arthritis: a Mendelian randomization study. Rheumatology, 2021, 60, 1963-1973.	0.9	4
16	Combination of magnesium ions and vitamin C alleviates synovitis and osteophyte formation in osteoarthritis of mice. Bioactive Materials, 2021, 6, 1341-1352.	8.6	39
17	â€œThreeâ€•inâ€•oneâ€•patientâ€•specific surgical guides for simultaneous dental implants in fibula flap jaw reconstruction: A prospective case series. Clinical Implant Dentistry and Related Research, 2021, 23, 43-53.	1.6	13
18	An impaired healing model of osteochondral defect in papain-induced arthritis. Journal of Orthopaedic Translation, 2021, 26, 101-110.	1.9	8

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19	Biomaterials developed for facilitating healing outcome after anterior cruciate ligament reconstruction: Efficacy, surgical protocols, and assessments using preclinical animal models. Biomaterials, 2021, 269, 120625.	5.7	16
20	In Memory of Prof. Harry Genant, MD/PhD. Journal of Orthopaedic Translation, 2021, 27, A1.	1.9	0
21	Editorial: Fresh perspectives on established ideas. Journal of Orthopaedic Translation, 2021, 27, A2-A3.	1.9	0
22	Overview of methods for enhancing bone regeneration in distraction osteogenesis: Potential roles of biometals. Journal of Orthopaedic Translation, 2021, 27, 110-118.	1.9	42
23	Effects of RANKL inhibition on promoting healing of bone erosion in rheumatoid arthritis using HR-pQCT: a 2-year, randomised, double-blind, placebo-controlled trial. Annals of the Rheumatic Diseases, 2021, 80, 981-988.	0.5	7
24	Magnesium supplementation alleviates corticosteroid-associated muscle atrophy in rats. European Journal of Nutrition, 2021, 60, 4379-4392.	1.8	4
25	Nanoparticleâ€"Cartilage Interaction: Pathology-Based Intra-articular Drug Delivery for Osteoarthritis Therapy. Nano-Micro Letters, 2021, 13, 149.	14.4	42
26	Continued improvement of translational medicine â€" A cohesive approach. Journal of Orthopaedic Translation, 2021, 29, A1-A2.	1.9	0
27	Comprehensive Analysis of Key Genes, Signaling Pathways and miRNAs in Human Knee Osteoarthritis: Based on Bioinformatics. Frontiers in Pharmacology, 2021, 12, 730587.	1.6	15
28	Synergistic effects of magnesium ions and simvastatin on attenuation of high-fat diet-induced bone loss. Bioactive Materials, 2021, 6, 2511-2522.	8.6	21
29	Biodegradable magnesium combined with distraction osteogenesis synergistically stimulates bone tissue regeneration via CGRP-FAK-VEGF signaling axis. Biomaterials, 2021, 275, 120984.	5.7	61
30	Multifunctional magnesium incorporated scaffolds by 3D-Printing for comprehensive postsurgical management of osteosarcoma. Biomaterials, 2021, 275, 120950.	5.7	60
31	Clinical translation and challenges of biodegradable magnesium-based interference screws in ACL reconstruction. Bioactive Materials, 2021, 6, 3231-3243.	8.6	28
32	Biodegradable magnesium pins enhanced the healing of transverse patellar fracture in rabbits. Bioactive Materials, 2021, 6, 4176-4185.	8.6	17
33	The importance of microstructure in R&D and applications of biomaterials and biological modulation in orthopaedics. Journal of Orthopaedic Translation, 2021, 30, A1-A2.	1.9	0
34	PLGA/Î²-TCP composite scaffold incorporating cucurbitacin B promotes bone regeneration by inducing angiogenesis. Journal of Orthopaedic Translation, 2021, 31, 41-51.	1.9	22
35	3D-bioprinted BMSC-laden biomimetic multiphasic scaffolds for efficient repair of osteochondral defects in an osteoarthritic rat model. Biomaterials, 2021, 279, 121216.	5.7	81
36	Intra-Articular Delivery of Quercetin Using Thermosensitive Hydrogel Attenuate Cartilage Degradation in an Osteoarthritis Rat Model. Cartilage, 2020, 11, 490-499.	1.4	40

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37	State-of-the-art research in robotic hip exoskeletons: A general review. Journal of Orthopaedic Translation, 2020, 20, 4-13.	1.9	44
38	Materials evolution of bone plates for internal fixation of bone fractures: A review. Journal of Materials Science and Technology, 2020, 36, 190-208.	5.6	133
39	Clinician-directed treatment guidelines. Journal of Orthopaedic Translation, 2020, 20, 3.	1.9	0
40	Innovative Tissueâ€Engineered Strategies for Osteochondral Defect Repair and Regeneration: Current Progress and Challenges. Advanced Healthcare Materials, 2020, 9, e2001008.	3.9	57
41	AChRs Degeneration at NMJ in Aging-Associated Sarcopeniaâ€"A Systematic Review. Frontiers in Aging Neuroscience, 2020, 12, 597811.	1.7	22
42	Innovative designs and procedures for fracture fixation and soft tissue repair. Journal of Orthopaedic Translation, 2020, 24, A1-A2.	1.9	2
43	In memory of Prof. Lu Shibi, MD. Journal of Orthopaedic Translation, 2020, 23, A1.	1.9	0
44	Transformation of preclinical study results into clinical applications: Improving protocols and clinical practice in translational orthopaedics. Journal of Orthopaedic Translation, 2020, 23, A4.	1.9	0
45	Targeting autophagy in osteoporosis: From pathophysiology to potential therapy. Ageing Research Reviews, 2020, 62, 101098.	5.0	50
46	Anti-inflammatory effects of Jingshu Keli capsule and its components on human synoviocyte MH7A cells. Arthroplasty, 2020, 2, 7.	0.9	1
47	Anti-Inflammatory and Chondroprotective Effects of Vanillic Acid and Epimedin C in Human Osteoarthritic Chondrocytes. Biomolecules, 2020, 10, 932.	1.8	33
48	Guidelines for clinical diagnosis and treatment of osteonecrosis of the femoral head in adults (2019) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.9	182
49	Animal Models of Osteochondral Defect for Testing Biomaterials. Biochemistry Research International, 2020, 2020, 1-12.	1.5	48
50	Biodegradable Magnesiumâ€Based Implants in Orthopedicsâ€"A General Review and Perspectives. Advanced Science, 2020, 7, 1902443.	5.6	267
51	Poly(<scp>l</scp>-lactic acid) (PLLA)/MgSO₄Â·7H₂O Composite Coating on Magnesium Substrates for Corrosion Protection and Cytocompatibility Promotion. ACS Applied Bio Materials, 2020, 3, 1364-1373.	2.3	14
52	Magnesium and vitamin C supplementation attenuates steroid-associated osteonecrosis in a rat model. Biomaterials, 2020, 238, 119828.	5.7	61
53	Cinnamaldehyde Inhibits Inflammation of Human Synoviocyte Cells Through Regulation of Jak/Stat Pathway and Ameliorates Collagen-Induced Arthritis in Rats. Journal of Pharmacology and Experimental Therapeutics, 2020, 373, 302-310.	1.3	29
54	CD8⁺ T-cell plasticity regulates vascular regeneration in type-2 diabetes. Theranostics, 2020, 10, 4217-4232.	4.6	29

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55	Best Performance Parameters of HR-pQCT to Predict Fragility Fracture: Systematic Review and Meta-Analysis. Journal of Bone and Mineral Research, 2020, 36, 2381-2398.	3.1	23
56	Osteoporosis and osteoarthritis: A translational perspective. Journal of Orthopaedic Translation, 2020, 22, 1.	1.9	4
57	Bone Geometry, Density, Microstructure, and Biomechanical Properties in the Distal Tibia in Patients With Primary Hypertrophic Osteoarthropathy Assessed by Second-Generation High-Resolution Peripheral Quantitative Computed Tomography. Journal of Bone and Mineral Research, 2020, 37, 484-493.	3.1	4
58	Hybrid fracture fixation systems developed for orthopaedic applications: A general review. Journal of Orthopaedic Translation, 2019, 16, 1-13.	1.9	72
59	Use of a three-dimensional printed polylactide-coglycolide/tricalcium phosphate composite scaffold incorporating magnesium powder to enhance bone defect repair in rabbits. Journal of Orthopaedic Translation, 2019, 16, 62-70.	1.9	36
60	Circulating miRâ€99bâ€5p as a novel predictor of erosion progression on highâ€resolution peripheral quantitative computed tomography in early rheumatoid arthritis: A prospective cohort study. International Journal of Rheumatic Diseases, 2019, 22, 1724-1733.	0.9	14
61	Enrichment of CD146⁺ Adipose-Derived Stem Cells in Combination with Articular Cartilage Extracellular Matrix Scaffold Promotes Cartilage Regeneration. Theranostics, 2019, 9, 5105-5121.	4.6	60
62	Bone measurements at multiple skeletal sites in adolescent idiopathic scoliosisâ€"an in vivo correlation study using DXA, HR-pQCT and QCT. Archives of Osteoporosis, 2019, 14, 70.	1.0	7
63	Osteogenic magnesium incorporated into PLGA/TCP porous scaffold by 3D printing for repairing challenging bone defect. Biomaterials, 2019, 197, 207-219.	5.7	348
64	Development of a novel biodegradable and anti-bacterial polyurethane coating for biomedical magnesium rods. Materials Science and Engineering C, 2019, 99, 344-356.	3.8	52
65	Application of ultrasound accelerates the decalcification process of bone matrix without affecting histological and immunohistochemical analysis. Journal of Orthopaedic Translation, 2019, 17, 112-120.	1.9	9
66	NOD2 negatively regulated titanium particle-induced osteolysis in mice. Biomaterials Science, 2019, 7, 2702-2715.	2.6	13
67	Reference Joint Trajectories Generation of CUHK-EXO Exoskeleton for System Balance in Walking Assistance. IEEE Access, 2019, 7, 33809-33821.	2.6	31
68	Effect and mechanism of psoralidin on promoting osteogenesis and inhibiting adipogenesis. Phytomedicine, 2019, 61, 152860.	2.3	23
69	Wnt16 attenuates osteoarthritis progression through a PCP/JNK-mTORC1-PTHrP cascade. Annals of the Rheumatic Diseases, 2019, 78, 551-561.	0.5	74
70	Dynamic and Cell-Infiltratable Hydrogels as Injectable Carrier of Therapeutic Cells and Drugs for Treating Challenging Bone Defects. ACS Central Science, 2019, 5, 440-450.	5.3	166
71	SAT0364â€…EFFECT OF ACHIEVING DAPSA-LDA ON THE PROGRESSION OF BONE EROSION AND ENTHESIOPHYTES IN PATIENTS WITH PSORIATIC ARTHRITIS: A LONGITUDINAL HR-PQCT STUDY. , 2019, , .		0
72	Regulation of Inflammatory Response in Human Osteoarthritic Chondrocytes by Novel Herbal Small Molecules. International Journal of Molecular Sciences, 2019, 20, 5745.	1.8	19

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73	Progressive structural bone changes and their relationship with treatment in patients with psoriatic arthritis: a longitudinal HR-pQCT study. Arthritis Research and Therapy, 2019, 21, 265.	1.6	9
74	Knee exoskeletons for gait rehabilitation and human performance augmentation: A state-of-the-art. Mechanism and Machine Theory, 2019, 134, 499-511.	2.7	101
75	The first case of primary hypertrophic osteoarthropathy with soft tissue giant tumors caused by HPGD loss-of-function mutation. Endocrine Connections, 2019, 8, 736-744.	0.8	5
76	Freeze-dried and irradiated allograft bone combined with fresh autologous coagula promotes angiogenesis in an ectopic bone allograft implantation model. Connective Tissue Research, 2018, 59, 1-12.	1.1	1
77	In vitro and in vivo studies on as-extruded Mg- 5.25wt.%Zn-0.6wt.%Ca alloy as biodegradable metal. Science China Materials, 2018, 61, 619-628.	3.5	27
78	Herbal Fufang Xian Ling Gu Bao prevents corticosteroid-induced osteonecrosis of the femoral headâ€"A first multicentre, randomised, double-blind, placebo-controlled clinical trial. Journal of Orthopaedic Translation, 2018, 12, 36-44.	1.9	45
79	Sit-to-stand and stand-to-sit assistance for paraplegic patients with CUHK-EXO exoskeleton. Robotica, 2018, 36, 535-551.	1.3	15
80	Steroid-associated osteonecrosis animal model in rats. Journal of Orthopaedic Translation, 2018, 13, 13-24.	1.9	42
81	The impact of translational orthopaedic research: Journal of Orthopaedic Translation indexed in Science Citation Index Expanded. Journal of Orthopaedic Translation, 2018, 12, A1-A2.	1.9	2
82	Quantitative determination of residual 1,4-dioxane in three-dimensional printed bone scaffold. Journal of Orthopaedic Translation, 2018, 13, 58-67.	1.9	10
83	Porous composite scaffold incorporating osteogenic phytomolecule icariin for promoting skeletal regeneration in challenging osteonecrotic bone in rabbits. Biomaterials, 2018, 153, 1-13.	5.7	199
84	A novel bone targeting delivery system carrying phytomolecule icaritin for prevention of steroid-associated osteonecrosis in rats. Bone, 2018, 106, 52-60.	1.4	28
85	Magnesium alloy based interference screw developed for ACL reconstruction attenuates peri-tunnel bone loss in rabbits. Biomaterials, 2018, 157, 86-97.	5.7	79
86	Small Heterodimer Partner Negatively Regulates TLR4 Signaling Pathway of Titanium Particles-Induced Osteolysis in Mice. Journal of Biomedical Nanotechnology, 2018, 14, 609-618.	0.5	10
87	A drug eluting poly(trimethylene carbonate)/poly(lactic acid)-reinforced nanocomposite for the functional delivery of osteogenic molecules. International Journal of Nanomedicine, 2018, Volume 13, 5701-5718.	3.3	10
88	Antiresorptive Agents are More Effective in Preventing Titanium Particleâ€Induced Calvarial Osteolysis in Ovariectomized Mice Than Anabolic Agents in Shortâ€Term Administration. Artificial Organs, 2018, 42, E259-E271.	1.0	10
89	Reciprocal inhibition of YAP/TAZ and NF-ÎºB regulates osteoarthritic cartilage degradation. Nature Communications, 2018, 9, 4564.	5.8	188
90	Bone Mass, Microstructure, and Strength Can Discriminate Vertebral Fracture in Patients on Long-Term Steroid Treatment. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 3340-3349.	1.8	10

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91	Fracture healing in a collagenâ€induced arthritis rat model: Radiology and histology evidence. Journal of Orthopaedic Research, 2018, 36, 2876-2885.	1.2	8
92	A Traditional Herbal Formula Xianlinggubao for Pain Control and Function Improvement in Patients with Knee and Hand Osteoarthritis: A Multicenter, Randomized, Open-Label, Controlled Trial. Evidence-based Complementary and Alternative Medicine, 2018, 2018, 1-10.	0.5	18
93	Jingshu Keli attenuates cervical spinal nerve ligation-induced allodynia in rats through inhibition of spinal microglia and Stat3 activation. Spine Journal, 2018, 18, 2112-2118.	0.6	8
94	A bone-targeting delivery system carrying osteogenic phytomolecule icaritin prevents osteoporosis in mice. Biomaterials, 2018, 182, 58-71.	5.7	60
95	Ankle-foot orthoses for rehabilitation and reducing metabolic cost of walking: Possibilities and challenges. Mechatronics, 2018, 53, 241-250.	2.0	34
96	An innovative Mg/Ti hybrid fixation system developed for fracture fixation and healing enhancement at load-bearing skeletal site. Biomaterials, 2018, 180, 173-183.	5.7	55
97	Effect of treat-to-target strategies on bone erosion progression in early rheumatoid arthritis: An HR-pQCT study. Seminars in Arthritis and Rheumatism, 2018, 48, 374-383.	1.6	13
98	Dual-functional 3D-printed composite scaffold for inhibiting bacterial infection and promoting bone regeneration in infected bone defect models. Acta Biomaterialia, 2018, 79, 265-275.	4.1	134
99	Journal of Orthopaedic Translation now indexed in PubMed CentralÂ©. Journal of Orthopaedic Translation, 2018, 13, A1-A2.	1.9	0
100	Biodegradable Poly(l-lactic acid) (PLLA) Coatings Fabricated from Nonsolvent Induced Phase Separation for Improving Corrosion Resistance of Magnesium Rods in Biological Fluids. Langmuir, 2018, 34, 10684-10693.	1.6	17
101	Corrosion and biological performance of biodegradable magnesium alloys mediated by low copper addition and processing. Materials Science and Engineering C, 2018, 93, 565-581.	3.8	60
102	Normative Standards for HRpQCT Parameters in Chinese Men and Women. Journal of Bone and Mineral Research, 2018, 33, 1889-1899.	3.1	14
103	Segmental composite porous scaffolds with either osteogenesis or anti-bone resorption properties tested in a rabbit ulna defect model. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 34-43.	1.3	10
104	Optimisation of platelet concentrates therapy: Composition, localisation, and duration of action. Asia-Pacific Journal of Sports Medicine, Arthroscopy, Rehabilitation and Technology, 2017, 7, 27-36.	0.4	18
105	Biodegradable Magnesium Screws Accelerate Fibrous Tissue Mineralization at the Tendon-Bone Insertion in Anterior Cruciate Ligament Reconstruction Model of Rabbit. Scientific Reports, 2017, 7, 40369.	1.6	38
106	Angiogenesis Assays for the Evaluation of Angiogenic Properties of Orthopaedic Biomaterials â€“ A General Review. Advanced Healthcare Materials, 2017, 6, 1600434.	3.9	48
107	Design and testing of a regenerative magnetorheological actuator for assistive knee braces. Smart Materials and Structures, 2017, 26, 035013.	1.8	41
108	The relationship between angiotensin-converting enzyme (ACE) insertion (I) / deletion (D) polymorphism, serum ACE activity and bone mineral density (BMD) in older Chinese. JRAAS - Journal of the Renin-Angiotensin-Aldosterone System, 2017, 18, 147032031668834.	1.0	1

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109	Role of mesenchymal stem cells in osteoarthritis treatment. Journal of Orthopaedic Translation, 2017, 9, 89-103.	1.9	82
110	A wearable exoskeleton suit for motion assistance to paralysed patients. Journal of Orthopaedic Translation, 2017, 11, 7-18.	1.9	67
111	Presence of Bacteria in Spontaneous Achilles Tendon Ruptures. American Journal of Sports Medicine, 2017, 45, 2061-2067.	1.9	7
112	Identification, bioactivity evaluation and pharmacokinetics of multiple components in rat serum after oral administration of Xian-Ling-Gu-Bao capsule by ultra performance liquid chromatography coupled with quadrupole time-of-flight tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1041-1042, 104-112.	1.2	18
113	Magnesium (Mg) based interference screws developed for promoting tendon graft incorporation in bone tunnel in rabbits. Acta Biomaterialia, 2017, 63, 393-410.	4.1	55
114	Inflammation and the musculoskeletal system. Journal of Orthopaedic Translation, 2017, 10, A1-A2.	1.9	5
115	Design and characterization of a magneto-rheological series elastic actuator for a lower extremity exoskeleton. Smart Materials and Structures, 2017, 26, 105008.	1.8	31
116	Corrosion and biocompatibility improvement of magnesium-based alloys as bone implant materials: a review. International Journal of Energy Production and Management, 2017, 4, 129-137.	1.9	94
117	Repair of Bone Erosion in Rheumatoid Arthritis by Denosumab: A Highâ€Resolution Peripheral Quantitative Computed Tomography Study. Arthritis Care and Research, 2017, 69, 1156-1163.	1.5	64
118	Current status on clinical applications of magnesium-based orthopaedic implants: A review from clinical translational perspective. Biomaterials, 2017, 112, 287-302.	5.7	674
119	Biomechanical comparison of pure magnesium interference screw and polylactic acid polymer interference screw in anterior cruciate ligament reconstructionâ€"A cadaveric experimental study. Journal of Orthopaedic Translation, 2017, 8, 32-39.	1.9	23
120	Simultaneous Quantification of Multiple Representative Components in the Xian-Ling-Gu-Bao Capsule by Ultra-Performance Liquid Chromatography Coupled with Quadrupole Time-of-Flight Tandem Mass Spectrometry. Molecules, 2017, 22, 927.	1.7	13
121	Study in Treatment of Collagen-Induced Arthritis in DBA/1 Mice Model by Genistein. Current Pharmaceutical Design, 2017, 22, 6975-6981.	0.9	20
122	Carotid plaque and bone density and microarchitecture in psoriatic arthritis: the correlation with soluble ST2. Scientific Reports, 2016, 6, 32116.	1.6	16
123	Validity of leptin receptor-deficiency (db/db) type 2 diabetes mellitus mice as a model of secondary osteoporosis. Scientific Reports, 2016, 6, 27745.	1.6	9
124	Critical review on the socio-economic impact of tendinopathy. Asia-Pacific Journal of Sports Medicine, Arthroscopy, Rehabilitation and Technology, 2016, 4, 9-20.	0.4	110
125	From the printer: Potential of three-dimensional printing for orthopaedicÂapplications. Journal of Orthopaedic Translation, 2016, 6, 42-49.	1.9	70
126	Translational study of orthopaedic biomaterials and devices. Journal of Orthopaedic Translation, 2016, 5, 69-71.	1.9	16

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127	Chinese Orthopaedic Research Society and its future focus on translational research. Journal of Orthopaedic Translation, 2016, 7, 23-29.	1.9	1
128	Anti-infective efficacy, cytocompatibility and biocompatibility of a 3D-printed osteoconductive composite scaffold functionalized with quaternized chitosan. Acta Biomaterialia, 2016, 46, 112-128.	4.1	128
129	Implant-derived magnesium induces local neuronal production of CGRP to improve bone-fracture healing in rats. Nature Medicine, 2016, 22, 1160-1169.	15.2	666
130	Atypical femoral fractures and current management. Journal of Orthopaedic Translation, 2016, 7, 7-22.	1.9	13
131	Initiation Timing of Low-Intensity Pulsed Ultrasound Stimulation for Tendon-Bone Healing in a Rabbit Model. American Journal of Sports Medicine, 2016, 44, 2706-2715.	1.9	49
132	Investigation of the inner corrosion layer formed in pulse electrodeposition coating on Mg-Sr alloy and corresponding degradation behavior. Journal of Colloid and Interface Science, 2016, 481, 1-12.	5.0	18
133	Biodegradable Magnesium (Mg) Implantation Does Not Impose Related Metabolic Disorders in Rats with Chronic Renal Failure. Scientific Reports, 2016, 6, 26341.	1.6	24
134	Value of Measuring Bone Microarchitecture in Fracture Discrimination in Older Women with Recent Hip Fracture: A Case-control Study with HR-pQCT. Scientific Reports, 2016, 6, 34185.	1.6	15
135	A Critical Comparison Between Two Scanning Protocols of High-Resolution Peripheral Quantitative Computed Tomography at the Distal Radius in Adolescents. Journal of Clinical Densitometry, 2016, 19, 305-315.	0.5	6
136	Comparison study of different coatings on degradation performance and cell response of Mg-Sr alloy. Materials Science and Engineering C, 2016, 69, 95-107.	3.8	23
137	Yap1 Regulates Multiple Steps of Chondrocyte Differentiation during Skeletal Development and Bone Repair. Cell Reports, 2016, 14, 2224-2237.	2.9	126
138	Apparent- and Tissue-Level Yield Behaviors of L4 Vertebral Trabecular Bone and Their Associations with Microarchitectures. Annals of Biomedical Engineering, 2016, 44, 1204-1223.	1.3	16
139	Vascularized bone grafting fixed by biodegradable magnesium screw for treating osteonecrosis of the femoral head. Biomaterials, 2016, 81, 84-92.	5.7	245
140	Recent developments and challenges of lower extremity exoskeletons. Journal of Orthopaedic Translation, 2016, 5, 26-37.	1.9	308
141	Comparative study of two types of herbal capsules with different Epimedium species for the prevention of ovariectomised-induced osteoporosis in rats. Journal of Orthopaedic Translation, 2016, 4, 14-27.	1.9	20
142	Review of various treatment options and potential therapies for osteonecrosis of the femoral head. Journal of Orthopaedic Translation, 2016, 4, 57-70.	1.9	58
143	Src siRNA prevents corticosteroid-associated osteoporosis in a rabbit model. Bone, 2016, 83, 190-196.	1.4	8
144	Sclerostin, an emerging therapeutic target for treating osteoporosis and osteoporotic fracture: A general review. Journal of Orthopaedic Translation, 2016, 4, 1-13.	1.9	54

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145	Musculoskeletal regeneration research network: A global initiative. Journal of Orthopaedic Translation, 2015, 3, 160-165.	1.9	1
146	Design of a lower extremity exoskeleton for motion assistance in paralyzed individuals. , 2015, , .		12
147	In Vivo Identification and Induction of Articular Cartilage Stem Cells by Inhibiting NF-ÎºB Signaling in Osteoarthritis. Stem Cells, 2015, 33, 3125-3137.	1.4	50
148	Muscle mass, structural and functional investigations of senescence-accelerated mouse P8 (SAMP8). Experimental Animals, 2015, 64, 425-433.	0.7	48
149	Bacterial inhibition potential of 3D rapid-prototyped magnesium-based porous composite scaffoldsâ€"an in vitro efficacy study. Scientific Reports, 2015, 5, 13775.	1.6	53
150	Sclerostin Antibody Treatment Increases Bone Formation, Bone Mass and Bone Strength of Intact Bones in Adult Male Rats. Scientific Reports, 2015, 5, 15632.	1.6	39
151	InÂvivo three-dimensional magnetic resonance imaging of rat knee osteoarthritis model induced using meniscal transection. Journal of Orthopaedic Translation, 2015, 3, 134-141.	1.9	8
152	Blockage of Src by Specific siRNA as a Novel Therapeutic Strategy to Prevent Destructive Repair in Steroid-Associated Osteonecrosis in Rabbits. Journal of Bone and Mineral Research, 2015, 30, 2044-2057.	3.1	26
153	Biofabrication of a PLGA-TCP-based porous bioactive bone substitute with sustained release of icaritin. Journal of Tissue Engineering and Regenerative Medicine, 2015, 9, 961-972.	1.3	34
154	In Vivo Screening for Anti-Osteoporotic Fraction from Extract of Herbal Formula Xianlinggubao in Ovariectomized Mice. PLoS ONE, 2015, 10, e0118184.	1.1	36
155	Steroid-associated osteonecrosis: Epidemiology, pathophysiology, animal model, prevention, and potential treatments (an overview). Journal of Orthopaedic Translation, 2015, 3, 58-70.	1.9	75
156	Lifelong bound feet in China: a quantitative ultrasound and lifestyle questionnaire study in postmenopausal women. BMJ Open, 2015, 5, e006521-e006521.	0.8	8
157	Clinical Use of Quantitative Computed Tomography (QCT) of the Hip in the Management of Osteoporosis in Adults: the 2015 ISCD Official Positionsâ€"Part I. Journal of Clinical Densitometry, 2015, 18, 338-358.	0.5	96
158	Src blockage by siRNA inhibits VEGF-induced vascular hyperpemeability and osteoclast activity â€" an in vitro mechanism study for preventing destructive repair of osteonecrosis. Bone, 2015, 74, 58-68.	1.4	24
159	The Potential of Liposomes with Carbonic Anhydrase IX to Deliver Anticancer Ingredients to Cancer Cells in Vivo. International Journal of Molecular Sciences, 2015, 16, 230-255.	1.8	14
160	Phytomolecule icaritin incorporated PLGA/TCP scaffold for steroid-associated osteonecrosis: Proof-of-concept for prevention of hip joint collapse in bipedal emus and mechanistic study in quadrupedal rabbits. Biomaterials, 2015, 59, 125-143.	5.7	87
161	The RAPIDOS projectâ€"European and Chinese collaborative research on biomaterials. Journal of Orthopaedic Translation, 2015, 3, 78-84.	1.9	3
162	Recommendation for modifying current cytotoxicity testing standards for biodegradable magnesium-based materials. Acta Biomaterialia, 2015, 21, 237-249.	4.1	338

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