

# Ling Qin

## 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.

339  
papers

11,566  
citations

56  
h-index

90  
g-index

406  
ext. papers

14,172  
ext. citations

5.6  
avg. IF

6.41  
L-index

| #   | Paper   | IF   | Citations |
|-----|---|------|-----------|
| 339 | Macrophages in epididymal adipose tissue secrete osteopontin to regulate bone homeostasis.. <i>Nature Communications</i> , <b>2022</b> , 13, 427  | 17.4 | 2         |
| 338 | Magnesium facilitates the healing of atypical femoral fractures: A single-cell transcriptomic study. <i>Materials Today</i> , <b>2022</b> ,   | 21.8 | 1         |
| 337 | Magnesium implantation or supplementation ameliorates bone disorder in CFTR-mutant mice through an ATF4-dependent Wnt/ $\beta$ -catenin signaling. <i>Bioactive Materials</i> , <b>2022</b> , 8, 95-108                       | 16.7 | 4         |
| 336 | Anti-infection mechanism of a novel dental implant made of titanium-copper (TiCu) alloy and its mechanism associated with oral microbiology. <i>Bioactive Materials</i> , <b>2022</b> , 8, 381-395                            | 16.7 | 5         |
| 335 | Promoting osteointegration effect of Cu-alloyed titanium in ovariectomized rats.. <i>International Journal of Energy Production and Management</i> , <b>2022</b> , 9, rbac011   | 5.3  | 2         |
| 334 | Biodegradable magnesium implant enhances angiogenesis and alleviates medication-related osteonecrosis of the jaw in rats.. <i>Journal of Orthopaedic Translation</i> , <b>2022</b> , 33, 153-161                              | 4.2  | 1         |
| 333 | Puerarin specifically disrupts osteoclast activation via blocking integrin- $\beta$ Pyk2/Src/Cbl signaling pathway.. <i>Journal of Orthopaedic Translation</i> , <b>2022</b> , 33, 55-69                                      | 4.2  | 1         |
| 332 | 3D-printed NIR-responsive shape memory polyurethane/magnesium scaffolds with tight-contact for robust bone regeneration.. <i>Bioactive Materials</i> , <b>2022</b> , 16, 218-231  | 16.7 | 5         |
| 331 | Implantable Electrical Stimulation at Dorsal Root Ganglions Accelerates Osteoporotic Fracture Healing via Calcitonin Gene-Related Peptide. <i>Advanced Science</i> , <b>2021</b> , 9, e2103005                                | 13.6 | 5         |
| 330 | PLGA/ $\beta$ -TCP composite scaffold incorporating cucurbitacin B promotes bone regeneration by inducing angiogenesis. <i>Journal of Orthopaedic Translation</i> , <b>2021</b> , 31, 41-51                                   | 4.2  | 3         |
| 329 | 3D-bioprinted BMSC-laden biomimetic multiphasic scaffolds for efficient repair of osteochondral defects in an osteoarthritic rat model. <i>Biomaterials</i> , <b>2021</b> , 279, 121216                                       | 15.6 | 11        |
| 328 | Overview of methods for enhancing bone regeneration in distraction osteogenesis: Potential roles of biometals. <i>Journal of Orthopaedic Translation</i> , <b>2021</b> , 27, 110-118  | 4.2  | 10        |
| 327 | 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. <i>Annals of the Rheumatic Diseases</i> , <b>2021</b> , | 2.4  | 2         |
| 326 | Magnesium supplementation alleviates corticosteroid-associated muscle atrophy in rats. <i>European Journal of Nutrition</i> , <b>2021</b> , 60, 4379-4392   | 5.2  | 2         |
| 325 | Nanoparticle-Cartilage Interaction: Pathology-Based Intra-articular Drug Delivery for Osteoarthritis Therapy. <i>Nano-Micro Letters</i> , <b>2021</b> , 13, 149   | 19.5 | 11        |
| 324 | Calcitonin Gene-Related Peptide Enhances Distraction Osteogenesis by Increasing Angiogenesis. <i>Tissue Engineering - Part A</i> , <b>2021</b> , 27, 87-102   | 3.9  | 22        |
| 323 | Comparison of modified injection molding and conventional machining in biodegradable behavior of perforated cannulated magnesium hip stents. <i>Journal of Materials Science and Technology</i> , <b>2021</b> , 63, 145-160   | 9.1  | 11        |

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| 322 | Magnesium-pretreated periosteum for promoting bone-tendon healing after anterior cruciate ligament reconstruction. <i>Biomaterials</i> , <b>2021</b> , 268, 120576  | 15.6 | 8  |
| 321 | The causal effect of interleukin-17 on the risk of psoriatic arthritis: a Mendelian randomization study. <i>Rheumatology</i> , <b>2021</b> , 60, 1963-1973  | 3.9  | 0  |
| 320 | Combination of magnesium ions and vitamin C alleviates synovitis and osteophyte formation in osteoarthritis of mice. <i>Bioactive Materials</i> , <b>2021</b> , 6, 1341-1352  | 16.7 | 14 |
| 319 | "Three-in-one" patient-specific surgical guides for simultaneous dental implants in fibula flap jaw reconstruction: A prospective case series. <i>Clinical Implant Dentistry and Related Research</i> , <b>2021</b> , 23, 43-53         | 3.9  | 4  |
| 318 | An impaired healing model of osteochondral defect in papain-induced arthritis. <i>Journal of Orthopaedic Translation</i> , <b>2021</b> , 26, 101-110  | 4.2  | 4  |
| 317 | Biomaterials developed for facilitating healing outcome after anterior cruciate ligament reconstruction: Efficacy, surgical protocols, and assessments using preclinical animal models. <i>Biomaterials</i> , <b>2021</b> , 269, 120625 | 15.6 | 5  |
| 316 | Comprehensive Analysis of Key Genes, Signaling Pathways and miRNAs in Human Knee Osteoarthritis: Based on Bioinformatics. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 730587   | 5.6  | 3  |
| 315 | Synergistic effects of magnesium ions and simvastatin on attenuation of high-fat diet-induced bone loss. <i>Bioactive Materials</i> , <b>2021</b> , 6, 2511-2522  | 16.7 | 6  |
| 314 | Biodegradable magnesium combined with distraction osteogenesis synergistically stimulates bone tissue regeneration via CGRP-FAK-VEGF signaling axis. <i>Biomaterials</i> , <b>2021</b> , 275, 120984                                    | 15.6 | 11 |
| 313 | Multifunctional magnesium incorporated scaffolds by 3D-Printing for comprehensive postsurgical management of osteosarcoma. <i>Biomaterials</i> , <b>2021</b> , 275, 120950  | 15.6 | 10 |
| 312 | Best Performance Parameters of HR-pQCT to Predict Fragility Fracture: Systematic Review and Meta-Analysis. <i>Journal of Bone and Mineral Research</i> , <b>2021</b> ,  | 6.3  | 1  |
| 311 | Clinical translation and challenges of biodegradable magnesium-based interference screws in ACL reconstruction. <i>Bioactive Materials</i> , <b>2021</b> , 6, 3231-3243   | 16.7 | 5  |
| 310 | Biodegradable magnesium pins enhanced the healing of transverse patellar fracture in rabbits. <i>Bioactive Materials</i> , <b>2021</b> , 6, 4176-4185   | 16.7 | 5  |
| 309 | AChRs Degeneration at NMJ in Aging-Associated Sarcopenia-A Systematic Review. <i>Frontiers in Aging Neuroscience</i> , <b>2020</b> , 12, 597811   | 5.3  | 8  |
| 308 | Targeting autophagy in osteoporosis: From pathophysiology to potential therapy. <i>Ageing Research Reviews</i> , <b>2020</b> , 62, 101098   | 12   | 16 |
| 307 | Anti-inflammatory effects of Jingshu Keli capsule and its components on human synoviocyte MH7A cells.. <i>Arthroplasty</i> , <b>2020</b> , 2, 7   | 0.7  |    |
| 306 | Anti-Inflammatory and Chondroprotective Effects of Vanillic Acid and Epimedin C in Human Osteoarthritic Chondrocytes. <i>Biomolecules</i> , <b>2020</b> , 10,   | 5.9  | 15 |
| 305 | Guidelines for clinical diagnosis and treatment of osteonecrosis of the femoral head in adults (2019 version). <i>Journal of Orthopaedic Translation</i> , <b>2020</b> , 21, 100-110  | 4.2  | 63 |

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| 304 | Animal Models of Osteochondral Defect for Testing Biomaterials. <i>Biochemistry Research International</i> , <b>2020</b> , 2020, 9659412   | 2.4  | 23  |
| 303 | Biodegradable Magnesium-Based Implants in Orthopedics-A General Review and Perspectives. <i>Advanced Science</i> , <b>2020</b> , 7, 1902443  | 13.6 | 105 |
| 302 | Poly(l-lactic acid) (PLLA)/MgSO <sub>4</sub> ·7H <sub>2</sub> O Composite Coating on Magnesium Substrates for Corrosion Protection and Cytocompatibility Promotion.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 1364-1373                   | 4.1  | 5   |
| 301 | Magnesium and vitamin C supplementation attenuates steroid-associated osteonecrosis in a rat model. <i>Biomaterials</i> , <b>2020</b> , 238, 119828  | 15.6 | 33  |
| 300 | Cinnamaldehyde Inhibits Inflammation of Human Synoviocyte Cells Through Regulation of Jak/Stat Pathway and Ameliorates Collagen-Induced Arthritis in Rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2020</b> , 373, 302-310 | 4.7  | 11  |
| 299 | CD8 T-cell plasticity regulates vascular regeneration in type-2 diabetes. <i>Theranostics</i> , <b>2020</b> , 10, 4217-4232  | 2.1  | 14  |
| 298 | Innovative Tissue-Engineered Strategies for Osteochondral Defect Repair and Regeneration: Current Progress and Challenges. <i>Advanced Healthcare Materials</i> , <b>2020</b> , 9, e2001008  | 10.1 | 23  |
| 297 | Intra-Articular Delivery of Quercetin Using Thermosensitive Hydrogel Attenuate Cartilage Degradation in an Osteoarthritis Rat Model. <i>Cartilage</i> , <b>2020</b> , 11, 490-499  | 3    | 19  |
| 296 | State-of-the-art research in robotic hip exoskeletons: A general review. <i>Journal of Orthopaedic Translation</i> , <b>2020</b> , 20, 4-13  | 4.2  | 16  |
| 295 | Materials evolution of bone plates for internal fixation of bone fractures: A review. <i>Journal of Materials Science and Technology</i> , <b>2020</b> , 36, 190-208   | 9.1  | 61  |
| 294 | Osteogenic magnesium incorporated into PLGA/TCP porous scaffold by 3D printing for repairing challenging bone defect. <i>Biomaterials</i> , <b>2019</b> , 197, 207-219   | 15.6 | 183 |
| 293 | Development of a novel biodegradable and anti-bacterial polyurethane coating for biomedical magnesium rods. <i>Materials Science and Engineering C</i> , <b>2019</b> , 99, 344-356   | 8.3  | 29  |
| 292 | Application of ultrasound accelerates the decalcification process of bone matrix without affecting histological and immunohistochemical analysis. <i>Journal of Orthopaedic Translation</i> , <b>2019</b> , 17, 112-120                              | 4.2  | 7   |
| 291 | NOD2 negatively regulated titanium particle-induced osteolysis in mice. <i>Biomaterials Science</i> , <b>2019</b> , 7, 2702-2715   | 7.4  | 7   |
| 290 | Reference Joint Trajectories Generation of CUHK-EXO Exoskeleton for System Balance in Walking Assistance. <i>IEEE Access</i> , <b>2019</b> , 7, 33809-33821  | 3.5  | 14  |
| 289 | Effect and mechanism of psoralidin on promoting osteogenesis and inhibiting adipogenesis. <i>Phytomedicine</i> , <b>2019</b> , 61, 152860  | 6.5  | 15  |
| 288 | Wnt16 attenuates osteoarthritis progression through a PCP/JNK-mTORC1-PTHrP cascade. <i>Annals of the Rheumatic Diseases</i> , <b>2019</b> , 78, 551-561  | 2.4  | 36  |
| 287 | Hybrid fracture fixation systems developed for orthopaedic applications: A general review. <i>Journal of Orthopaedic Translation</i> , <b>2019</b> , 16, 1-13  | 4.2  | 40  |

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| 286 | Use of a three-dimensional printed polylactide-coglycolide/tricalcium phosphate composite scaffold incorporating magnesium powder to enhance bone defect repair in rabbits. <i>Journal of Orthopaedic Translation</i> , <b>2019</b> , 16, 62-70                               | 4.2  | 24  |
| 285 | Circulating miR-99b-5p as a novel predictor of erosion progression on high-resolution peripheral quantitative computed tomography in early rheumatoid arthritis: A prospective cohort study. <i>International Journal of Rheumatic Diseases</i> , <b>2019</b> , 22, 1724-1733 | 2.3  | 7   |
| 284 | Enrichment of CD146 Adipose-Derived Stem Cells in Combination with Articular Cartilage Extracellular Matrix Scaffold Promotes Cartilage Regeneration. <i>Theranostics</i> , <b>2019</b> , 9, 5105-5121  | 12.1 | 37  |
| 283 | Bone measurements at multiple skeletal sites in adolescent idiopathic scoliosis-an in vivo correlation study using DXA, HR-pQCT and QCT. <i>Archives of Osteoporosis</i> , <b>2019</b> , 14, 70   | 2.9  | 3   |
| 282 | The first case of primary hypertrophic osteoarthropathy with soft tissue giant tumors caused by HPGD loss-of-function mutation. <i>Endocrine Connections</i> , <b>2019</b> , 8, 736-744   | 3.5  | 1   |
| 281 | Dynamic and Cell-Infiltratable Hydrogels as Injectable Carrier of Therapeutic Cells and Drugs for Treating Challenging Bone Defects. <i>ACS Central Science</i> , <b>2019</b> , 5, 440-450  | 16.8 | 112 |
| 280 | Regulation of Inflammatory Response in Human Osteoarthritic Chondrocytes by Novel Herbal Small Molecules. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,  | 6.3  | 13  |
| 279 | Progressive structural bone changes and their relationship with treatment in patients with psoriatic arthritis: a longitudinal HR-pQCT study. <i>Arthritis Research and Therapy</i> , <b>2019</b> , 21, 265   | 5.7  | 3   |
| 278 | Knee exoskeletons for gait rehabilitation and human performance augmentation: A state-of-the-art. <i>Mechanism and Machine Theory</i> , <b>2019</b> , 134, 499-511  | 4    | 53  |
| 277 | In vitro and in vivo studies on as-extruded Mg- 5.25wt.%Zn-0.6wt.%Ca alloy as biodegradable metal. <i>Science China Materials</i> , <b>2018</b> , 61, 619-628   | 7.1  | 15  |
| 276 | Herbal Fufang Xian Ling Gu Bao prevents corticosteroid-induced osteonecrosis of the femoral head-A first multicentre, randomised, double-blind, placebo-controlled clinical trial. <i>Journal of Orthopaedic Translation</i> , <b>2018</b> , 12, 36-44                        | 4.2  | 25  |
| 275 | Sit-to-stand and stand-to-sit assistance for paraplegic patients with CUHK-EXO exoskeleton. <i>Robotica</i> , <b>2018</b> , 36, 535-551   | 2.1  | 10  |
| 274 | Steroid-associated osteonecrosis animal model in rats. <i>Journal of Orthopaedic Translation</i> , <b>2018</b> , 13, 13-24  | 4.2  | 26  |
| 273 | Quantitative determination of residual 1,4-dioxane in three-dimensional printed bone scaffold. <i>Journal of Orthopaedic Translation</i> , <b>2018</b> , 13, 58-67  | 4.2  | 8   |
| 272 | Porous composite scaffold incorporating osteogenic phytomolecule icariin for promoting skeletal regeneration in challenging osteonecrotic bone in rabbits. <i>Biomaterials</i> , <b>2018</b> , 153, 1-13  | 15.6 | 138 |
| 271 | A novel bone targeting delivery system carrying phytomolecule icaritin for prevention of steroid-associated osteonecrosis in rats. <i>Bone</i> , <b>2018</b> , 106, 52-60   | 4.7  | 18  |
| 270 | A bone-targeting delivery system carrying osteogenic phytomolecule icaritin prevents osteoporosis in mice. <i>Biomaterials</i> , <b>2018</b> , 182, 58-71   | 15.6 | 40  |
| 269 | Ankle-foot orthoses for rehabilitation and reducing metabolic cost of walking: Possibilities and challenges. <i>Mechatronics</i> , <b>2018</b> , 53, 241-250  | 3    | 23  |

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| 268 | An innovative Mg/Ti hybrid fixation system developed for fracture fixation and healing enhancement at load-bearing skeletal site. <i>Biomaterials</i> , <b>2018</b> , 180, 173-183  | 15.6 | 34 |
| 267 | Effect of treat-to-target strategies on bone erosion progression in early rheumatoid arthritis: An HR-pQCT study. <i>Seminars in Arthritis and Rheumatism</i> , <b>2018</b> , 48, 374-383   | 5.3  | 9  |
| 266 | Dual-functional 3D-printed composite scaffold for inhibiting bacterial infection and promoting bone regeneration in infected bone defect models. <i>Acta Biomaterialia</i> , <b>2018</b> , 79, 265-275  | 10.8 | 83 |
| 265 | Biodegradable Poly(L-lactic acid) (PLLA) Coatings Fabricated from Nonsolvent Induced Phase Separation for Improving Corrosion Resistance of Magnesium Rods in Biological Fluids. <i>Langmuir</i> , <b>2018</b> , 34, 10684-10693  | 4    | 9  |
| 264 | Corrosion and biological performance of biodegradable magnesium alloys mediated by low copper addition and processing. <i>Materials Science and Engineering C</i> , <b>2018</b> , 93, 565-581   | 8.3  | 35 |
| 263 | Normative Standards for HRpQCT Parameters in Chinese Men and Women. <i>Journal of Bone and Mineral Research</i> , <b>2018</b> , 33, 1889-1899   | 6.3  | 8  |
| 262 | Freeze-dried and irradiated allograft bone combined with fresh autologous coagula promotes angiogenesis in an ectopic bone allograft implantation model. <i>Connective Tissue Research</i> , <b>2018</b> , 59, 233-244  | 3.3  | 4  |
| 261 | Magnesium alloy based interference screw developed for ACL reconstruction attenuates peri-tunnel bone loss in rabbits. <i>Biomaterials</i> , <b>2018</b> , 157, 86-97   | 15.6 | 45 |
| 260 | Small Heterodimer Partner Negatively Regulates TLR4 Signaling Pathway of Titanium Particles-Induced Osteolysis in Mice. <i>Journal of Biomedical Nanotechnology</i> , <b>2018</b> , 14, 609-618   | 4    | 7  |
| 259 | A drug eluting poly(trimethylene carbonate)/poly(lactic acid)-reinforced nanocomposite for the functional delivery of osteogenic molecules. <i>International Journal of Nanomedicine</i> , <b>2018</b> , 13, 5701-5718  | 7.3  | 9  |
| 258 | Antiresorptive Agents are More Effective in Preventing Titanium Particle-Induced Calvarial Osteolysis in Ovariectomized Mice Than Anabolic Agents in Short-Term Administration. <i>Artificial Organs</i> , <b>2018</b> , 42, E259-E271  | 2.6  | 7  |
| 257 | Reciprocal inhibition of YAP/TAZ and NF- $\kappa$ B regulates osteoarthritic cartilage degradation. <i>Nature Communications</i> , <b>2018</b> , 9, 4564  | 17.4 | 89 |
| 256 | Bone Mass, Microstructure, and Strength Can Discriminate Vertebral Fracture in Patients on Long-Term Steroid Treatment. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2018</b> , 103, 3340-3349  | 5.6  | 6  |
| 255 | Fracture healing in a collagen-induced arthritis rat model: Radiology and histology evidence. <i>Journal of Orthopaedic Research</i> , <b>2018</b> , 36, 2876-2885  | 3.8  | 4  |
| 254 | 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. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2018</b> , 2018, 1827528 | 2.3  | 13 |
| 253 | Jingshu Keli attenuates cervical spinal nerve ligation-induced allodynia in rats through inhibition of spinal microglia and Stat3 activation. <i>Spine Journal</i> , <b>2018</b> , 18, 2112-2118  | 4    | 5  |
| 252 | Segmental composite porous scaffolds with either osteogenesis or anti-bone resorption properties tested in a rabbit ulna defect model. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2017</b> , 11, 34-43   | 4.4  | 8  |
| 251 | Optimisation of platelet concentrates therapy: Composition, localisation, and duration of action. <i>Asia-Pacific Journal of Sports Medicine, Arthroscopy, Rehabilitation and Technology</i> , <b>2017</b> , 7, 27-36   | 1.2  | 12 |

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| 250 | Biodegradable Magnesium Screws Accelerate Fibrous Tissue Mineralization at the Tendon-Bone Insertion in Anterior Cruciate Ligament Reconstruction Model of Rabbit. <i>Scientific Reports</i> , <b>2017</b> , 7, 40369  | 4.9  | 23  |
| 249 | Angiogenesis Assays for the Evaluation of Angiogenic Properties of Orthopaedic Biomaterials - A General Review. <i>Advanced Healthcare Materials</i> , <b>2017</b> , 6, 1600434  | 10.1 | 34  |
| 248 | Design and testing of a regenerative magnetorheological actuator for assistive knee braces. <i>Smart Materials and Structures</i> , <b>2017</b> , 26, 035013   | 3.4  | 28  |
| 247 | The relationship between angiotensin-converting enzyme (ACE) insertion (I) / deletion (D) polymorphism, serum ACE activity and bone mineral density (BMD) in older Chinese. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , <b>2017</b> , 18, 1470320316688345  | 3    | 1   |
| 246 | Role of mesenchymal stem cells in osteoarthritis treatment. <i>Journal of Orthopaedic Translation</i> , <b>2017</b> , 9, 89-103  | 4.2  | 65  |
| 245 | A wearable exoskeleton suit for motion assistance to paralysed patients. <i>Journal of Orthopaedic Translation</i> , <b>2017</b> , 11, 7-18  | 4.2  | 36  |
| 244 | Presence of Bacteria in Spontaneous Achilles Tendon Ruptures. <i>American Journal of Sports Medicine</i> , <b>2017</b> , 45, 2061-2067   | 6.8  | 6   |
| 243 | 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. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2017</b> , 1041-1042, 104-112 | 3.2  | 13  |
| 242 | Magnesium (Mg) based interference screws developed for promoting tendon graft incorporation in bone tunnel in rabbits. <i>Acta Biomaterialia</i> , <b>2017</b> , 63, 393-410   | 10.8 | 32  |
| 241 | Design and characterization of a magneto-rheological series elastic actuator for a lower extremity exoskeleton. <i>Smart Materials and Structures</i> , <b>2017</b> , 26, 105008   | 3.4  | 22  |
| 240 | Corrosion and biocompatibility improvement of magnesium-based alloys as bone implant materials: a review. <i>International Journal of Energy Production and Management</i> , <b>2017</b> , 4, 129-137  | 5.3  | 60  |
| 239 | Repair of Bone Erosion in Rheumatoid Arthritis by Denosumab: A High-Resolution Peripheral Quantitative Computed Tomography Study. <i>Arthritis Care and Research</i> , <b>2017</b> , 69, 1156-1163   | 4.7  | 50  |
| 238 | Current status on clinical applications of magnesium-based orthopaedic implants: A review from clinical translational perspective. <i>Biomaterials</i> , <b>2017</b> , 112, 287-302  | 15.6 | 473 |
| 237 | Biomechanical comparison of pure magnesium interference screw and polylactic acid polymer interference screw in anterior cruciate ligament reconstruction-A cadaveric experimental study. <i>Journal of Orthopaedic Translation</i> , <b>2017</b> , 8, 32-39   | 4.2  | 16  |
| 236 | 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. <i>Molecules</i> , <b>2017</b> , 22,   | 4.8  | 9   |
| 235 | Sclerostin, an emerging therapeutic target for treating osteoporosis and osteoporotic fracture: A general review. <i>Journal of Orthopaedic Translation</i> , <b>2016</b> , 4, 1-13  | 4.2  | 41  |
| 234 | Implant-derived magnesium induces local neuronal production of CGRP to improve bone-fracture healing in rats. <i>Nature Medicine</i> , <b>2016</b> , 22, 1160-1169   | 50.5 | 410 |
| 233 | Atypical femoral fractures and current management. <i>Journal of Orthopaedic Translation</i> , <b>2016</b> , 7, 7-22   | 4.2  | 10  |

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| 232 | Initiation Timing of Low-Intensity Pulsed Ultrasound Stimulation for Tendon-Bone Healing in a Rabbit Model. <i>American Journal of Sports Medicine</i> , <b>2016</b> , 44, 2706-2715  | 6.8  | 30  |
| 231 | Investigation of the inner corrosion layer formed in pulse electrodeposition coating on Mg-Sr alloy and corresponding degradation behavior. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 481, 1-12       | 9.3  | 14  |
| 230 | Biodegradable Magnesium (Mg) Implantation Does Not Impose Related Metabolic Disorders in Rats with Chronic Renal Failure. <i>Scientific Reports</i> , <b>2016</b> , 6, 26341  | 4.9  | 20  |
| 229 | Value of Measuring Bone Microarchitecture in Fracture Discrimination in Older Women with Recent Hip Fracture: A Case-control Study with HR-pQCT. <i>Scientific Reports</i> , <b>2016</b> , 6, 34185                         | 4.9  | 12  |
| 228 | A Critical Comparison Between Two Scanning Protocols of High-Resolution Peripheral Quantitative Computed Tomography at the Distal Radius in Adolescents. <i>Journal of Clinical Densitometry</i> , <b>2016</b> , 19, 305-15 | 3.5  | 5   |
| 227 | Comparison study of different coatings on degradation performance and cell response of Mg-Sr alloy. <i>Materials Science and Engineering C</i> , <b>2016</b> , 69, 95-107   | 8.3  | 17  |
| 226 | Yap1 Regulates Multiple Steps of Chondrocyte Differentiation during Skeletal Development and Bone Repair. <i>Cell Reports</i> , <b>2016</b> , 14, 2224-2237   | 10.6 | 90  |
| 225 | Apparent- and Tissue-Level Yield Behaviors of L4 Vertebral Trabecular Bone and Their Associations with Microarchitectures. <i>Annals of Biomedical Engineering</i> , <b>2016</b> , 44, 1204-23                              | 4.7  | 15  |
| 224 | Vascularized bone grafting fixed by biodegradable magnesium screw for treating osteonecrosis of the femoral head. <i>Biomaterials</i> , <b>2016</b> , 81, 84-92   | 15.6 | 154 |
| 223 | Recent developments and challenges of lower extremity exoskeletons. <i>Journal of Orthopaedic Translation</i> , <b>2016</b> , 5, 26-37  | 4.2  | 200 |
| 222 | Comparative study of two types of herbal capsules with different species for the prevention of ovariectomised-induced osteoporosis in rats. <i>Journal of Orthopaedic Translation</i> , <b>2016</b> , 4, 14-27              | 4.2  | 12  |
| 221 | Review of various treatment options and potential therapies for osteonecrosis of the femoral head. <i>Journal of Orthopaedic Translation</i> , <b>2016</b> , 4, 57-70   | 4.2  | 33  |
| 220 | Src siRNA prevents corticosteroid-associated osteoporosis in a rabbit model. <i>Bone</i> , <b>2016</b> , 83, 190-196  | 4.7  | 7   |
| 219 | Study in Treatment of Collagen-Induced Arthritis in DBA/1 Mice Model by Genistein. <i>Current Pharmaceutical Design</i> , <b>2016</b> , 22, 6975-6981   | 3.3  | 16  |
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