

# Li-Hai Zhang

## 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.

192  
papers

2,153  
citations

24  
h-index

35  
g-index

208  
ext. papers

2,757  
ext. citations

3.2  
avg, IF

5.22  
L-index

#	Paper	IF	Citations
192	HOW TO GET INTERNATIONAL CONSTRUCTION PROJECTS DELIVERED ON TIME: FROM CHINESE CONTRACTORS' PERSPECTIVE. <i>Journal of Civil Engineering and Management</i> , <b>2022</b> , 28, 134-149	3	0
191	Role of TNF- $\alpha$ in early-stage fracture healing under normal and diabetic conditions. <i>Computer Methods and Programs in Biomedicine</i> , <b>2022</b> , 213, 106536	6.9	1
190	Influence of therapeutic grip exercises induced loading rates in distal radius fracture healing with volar locking plate fixation.. <i>Computer Methods and Programs in Biomedicine</i> , <b>2022</b> , 215, 106626	6.9	0
189	Analytical Framework for Understanding the Differences between Technical Standards Originating from Various Regions to Improve International Hydropower Project Delivery. <i>Water (Switzerland)</i> , <b>2022</b> , 14, 662	3	
188	Early Risk Warning of Highway Soft Rock Slope Group Using Fuzzy-Based Machine Learning. <i>Sustainability</i> , <b>2022</b> , 14, 3367	3.6	1
187	Constraint of musculoskeletal tissue and path planning of robot-assisted fracture reduction with collision avoidance.. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , <b>2021</b> , e2367	2.9	0
186	Infrared Thermography for Detecting Subsurface Defects of Concrete Structures. <i>Lecture Notes in Civil Engineering</i> , <b>2021</b> , 1165-1176	0.3	
185	Environment Management of Hydropower Development: A Case Study. <i>Energies</i> , <b>2021</b> , 14, 2029	3.1	3
184	A probabilistic approach for modelling bone fracture healing under Ilizarov circular fixator. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , <b>2021</b> , 37, e3466	2.6	2
183	Modeling Riverbank Slope Reinforcement Using Anti-Slide Piles with Geocells. <i>Journal of Marine Science and Engineering</i> , <b>2021</b> , 9, 394	2.4	1
182	Application of Spinal Robotic Navigation Technology to Minimally Invasive Percutaneous Treatment of Spinal Fractures: A Clinical, Non-Randomized, Controlled Study. <i>Orthopaedic Surgery</i> , <b>2021</b> , 13, 1236-1243	2.5	1
181	A Probabilistic Failure Risk Approach to The Problem of Articular Cartilage Lubrication. <i>Computer Methods and Programs in Biomedicine</i> , <b>2021</b> , 203, 106053	6.9	3
180	The investigation of bone fracture healing under intramembranous and endochondral ossification. <i>Bone Reports</i> , <b>2021</b> , 14, 100740	2.6	5
179	Balance Between Mechanical Stability and Mechano-Biology of Fracture Healing Under Volar Locking Plate. <i>Annals of Biomedical Engineering</i> , <b>2021</b> , 49, 2533-2553	4.7	2
178	Variable Admittance Control Based on Trajectory Prediction of Human Hand Motion for Physical Human-Robot Interaction. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 5651	2.6	0
177	A Simplified Methodology for Condition Assessment of Bridge Bearings Using Vibration Based Structural Health Monitoring Techniques. <i>International Journal of Structural Stability and Dynamics</i> , <b>2021</b> , 21, 2150133	1.9	1
176	Numerical prediction of the optimal shield tunneling strategy for tunnel construction in karst regions. <i>PLoS ONE</i> , <b>2021</b> , 16, e0252733	3.7	0

175	Improving Soil-Water Characteristics and Pore Structure of Silty Soil Using Nano-aqueous Polymer Stabilisers. <i>KSCE Journal of Civil Engineering</i> , <b>2021</b> , 25, 3298-3305	1.9	2
174	New polymer composites improve silty clay soil microstructure: an evaluation using NMR. <i>Land Degradation and Development</i> , <b>2021</b> , 32, 3272-3281	4.4	3
173	Managing Interfaces in Large-Scale Projects: The Roles of Formal Governance and Partnering. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2021</b> , 147,	4.2	3
172	Degradation of Alkali-Activated Slag and Fly Ash Mortars under Different Aggressive Acid Conditions. <i>Journal of Materials in Civil Engineering</i> , <b>2021</b> , 33,	3	8
171	Biomechanical study of transsacral-transiliac screw fixation versus lumbopelvic fixation and bilateral triangular fixation for "H"- and "U"-type sacrum fractures with traumatic spondylopelvic dissociation: a finite element analysis study. <i>Journal of Orthopaedic Surgery and Research</i> , <b>2021</b> , 16, 428	2.8	1
170	Reliability analysis for multiple-stage solid waste management systems. <i>Waste Management</i> , <b>2021</b> , 120, 650-658	8.6	2
169	Fuzzy Adaptive Sliding Mode Impedance Control of Fracture Reduction Robot. <i>IEEE Access</i> , <b>2021</b> , 9, 113653-113665	5.9	3
168	Automation in Structural Health Monitoring of Transport Infrastructure. <i>Advances in 21st Century Human Settlements</i> , <b>2021</b> , 141-172	0.3	
167	A Coupled Macroscopic and Mesoscopic Creep Model of Soft Marine Soil Using a Directional Probability Entropy Approach. <i>Journal of Marine Science and Engineering</i> , <b>2021</b> , 9, 224	2.4	4
166	Robot-assisted percutaneous vertebroplasty under local anaesthesia for osteoporotic vertebral compression fractures: a retrospective, clinical, non-randomized, controlled study. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , <b>2021</b> , 17, e2216	2.9	2
165	Reliability Analysis of Bus Timetabling Strategy during the COVID-19 Epidemic: A Case Study of Yixing, China. <i>Discrete Dynamics in Nature and Society</i> , <b>2021</b> , 2021, 1-14	1.1	1
164	Effect of vision loss on plasticity of the head and neck proprioception. <i>International Journal of Ophthalmology</i> , <b>2021</b> , 14, 1059-1065	1.4	
163	Optimal time-dependent levels of weight-bearing for bone fracture healing under Ilizarov circular fixators. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2021</b> , 121, 104611	4.1	2
162	Improving Design by Partnering in Engineering Procurement Construction (EPC) Hydropower Projects: A Case Study of a Large-Scale Hydropower Project in China. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 3410 <sup>3</sup>	0	
161	Reliability-Based Decision Support Framework for Major Changes to Social Infrastructure PPP Contracts. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 7659	2.6	1
160	Coupled Seepage and Stress Model and Experiment Verification for Creep Behavior of Soft Rock. <i>International Journal of Geomechanics</i> , <b>2020</b> , 20, 04020146	3.1	8
159	External force estimation of fracture reduction robot based on force residual method. <i>International Journal of Advanced Robotic Systems</i> , <b>2020</b> , 17, 172988141989747	1.4	1
158	Application of binocular visual navigation technique in diaphyseal fracture reduction. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , <b>2020</b> , 16, e2082	2.9	0

157	The influence of ambient environmental conditions in detecting bridge concrete deck delamination using infrared thermography (IRT). <i>Structural Control and Health Monitoring</i> , <b>2020</b> , 27, e2506	4.5	14
156	Radiological measurement of pelvic fractures using a pelvic deformity measurement software program. <i>Journal of Orthopaedic Surgery and Research</i> , <b>2020</b> , 15, 37	2.8	2
155	Rheological Deformation Behavior of Soft Rocks under Combination of Compressive Pressure and Water-Softening Effects. <i>Geotechnical Testing Journal</i> , <b>2020</b> , 43, 20180342	1.3	3
154	Adaptive expression of biofilm regulators and adhesion factors of during acute wound infection under the treatment of negative pressure wound therapy. <i>Experimental and Therapeutic Medicine</i> , <b>2020</b> , 20, 512-520	2.1	4
153	The status and challenges of replicating the mechanical properties of connective tissues using additive manufacturing. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2020</b> , 103, 103544	4.1	13
152	Computational study on synovial fluid flow behaviour in cartilage contact gap under osteoarthritic condition. <i>Computers in Biology and Medicine</i> , <b>2020</b> , 123, 103915	7	9
151	Toward the Understanding of Stress-Induced Mineral Dissolution via Molecular Scale Simulations. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 19166-19173	3.8	3
150	Experimental study of expression profile and specific role of human microRNAs in regulating atrophic bone nonunion. <i>Medicine (United States)</i> , <b>2020</b> , 99, e21653	1.8	5
149	Effects of grain dissolution, diffusion sliding and hydro-mechanical interaction on the creep deformation of soft rocks. <i>Acta Geotechnica</i> , <b>2020</b> , 15, 1219-1229	4.9	10
148	Aerodynamic Countermeasure Schemes of Super Long-Span Suspension Bridges with Various Aspect Ratios. <i>International Journal of Structural Stability and Dynamics</i> , <b>2020</b> , 20, 2050061	1.9	5
147	Using the Starr Frame and Da Vinci surgery system for pelvic fracture and sacral nerve injury. <i>Journal of Orthopaedic Surgery and Research</i> , <b>2019</b> , 14, 29	2.8	8
146	User testing of the psychometric properties of pictorial-based disability assessment Longshi Scale by healthcare professionals and non-professionals: a Chinese study in Shenzhen. <i>Clinical Rehabilitation</i> , <b>2019</b> , 33, 1479-1491	3.3	8
145	Reduction and functional outcome of open reduction plate fixation versus minimally invasive reduction with percutaneous screw fixation for displaced calcaneus fracture: a retrospective study. <i>Journal of Orthopaedic Surgery and Research</i> , <b>2019</b> , 14, 124	2.8	10
144	The investigation of fluid flow in cartilage contact gap. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2019</b> , 95, 153-164	4.1	14
143	An Innovative Acousto-optic-Sensing-Based Triaxial Testing System for Rocks. <i>Rock Mechanics and Rock Engineering</i> , <b>2019</b> , 52, 3305-3321	5.7	5
142	Effects of dynamic loading on fracture healing under different locking compression plate configurations: A finite element study. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2019</b> , 94, 74-85	4.1	15
141	The effects of dynamic loading on bone fracture healing under Ilizarov Circular Fixators. <i>Journal of Biomechanical Engineering</i> , <b>2019</b> ,	2.1	13
140	Bone fracture healing under Ilizarov fixator: Influence of fixator configuration, fracture geometry, and loading. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , <b>2019</b> , 35, e3199	2.6	14

139	A probabilistic-based approach for computational simulation of bone fracture healing. <i>Computer Methods and Programs in Biomedicine</i> , <b>2019</b> , 180, 105011	6.9	9
138	Robot-assisted weight-bearing exercise for stroke patients with limited mobility. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , <b>2019</b> , 38, 879-892	1.5	2
137	Structural Health Monitoring of Underground Structures in Reclamation Area Using Fiber Bragg Grating Sensors. <i>Sensors</i> , <b>2019</b> , 19,	3.8	7
136	Impact of Payload Spectra of Heavy Vehicles on Pavement Based on Weigh-in-Motion Data. <i>Journal of Transportation Engineering Part B: Pavements</i> , <b>2019</b> , 145, 04019005	1.4	2
135	Medial sustainable nail versus proximal femoral nail antirotation in treating AO/OTA 31-A2.3 fractures: Finite element analysis and biomechanical evaluation. <i>Injury</i> , <b>2019</b> , 50, 648-656	2.5	8
134	Transitions between nanomechanical and continuum mechanical contacts: new insights from liquid structure. <i>Nanoscale</i> , <b>2019</b> , 11, 22954-22963	7.7	4
133	Reliability analysis of road networks in disaster waste management. <i>Waste Management</i> , <b>2019</b> , 84, 383-393	3.8	15
132	Hub genes and gene functions associated with postmenopausal osteoporosis predicted by an integrated method. <i>Experimental and Therapeutic Medicine</i> , <b>2019</b> , 17, 1262-1267	2.1	0
131	Probabilistic modelling of forces of hail. <i>Natural Hazards</i> , <b>2018</b> , 91, 133-153	3	3
130	Disaster waste clean-up system performance subject to time-dependent disaster waste accumulation. <i>Natural Hazards</i> , <b>2018</b> , 91, 717-734	3	8
129	Modified minimally invasive approach and intra-osseous portal for three-part proximal humeral fractures: a comparative study. <i>Journal of Orthopaedic Surgery and Research</i> , <b>2018</b> , 13, 24	2.8	2
128	Virulence analysis of Staphylococcus aureus in a rabbit model of infected full-thickness wound under negative pressure wound therapy. <i>Antonie Van Leeuwenhoek</i> , <b>2018</b> , 111, 161-170	2.1	4
127	Negative-Pressure Wound Therapy in a Infection Model. <i>BioMed Research International</i> , <b>2018</b> , 2018, 9496183	5.183	9
126	Sensitivity Analysis of Geometrical Parameters on the Aerodynamic Performance of Closed-Box Girder Bridges. <i>Sensors</i> , <b>2018</b> , 18,	3.8	8
125	Improving Design Performance by Alliance between Contractors and Designers in International Hydropower EPC Projects from the Perspective of Chinese Construction Companies. <i>Sustainability</i> , <b>2018</b> , 10, 1171	3.6	5
124	Role of Dynamic Loading on Early Stage of Bone Fracture Healing. <i>Annals of Biomedical Engineering</i> , <b>2018</b> , 46, 1768-1784	4.7	25
123	Autophagy relieves the function inhibition and apoptosis-promoting effects on osteoblast induced by glucocorticoid. <i>International Journal of Molecular Medicine</i> , <b>2018</b> , 41, 800-808	4.4	18
122	Cell cycle and complement inhibitors may be specific for treatment of spinal cord injury in aged and young mice: Transcriptomic analyses. <i>Neural Regeneration Research</i> , <b>2018</b> , 13, 518-527	4.5	8

121	The Role of Locking Plate Stiffness in Bone Fracture Healing Stabilized by Far Cortical Locking Technique. <i>International Journal of Computational Methods</i> , <b>2018</b> , 15, 1850024	1.1	8
120	Flutter Characteristics of Thin Plate Sections for Aerodynamic Bridges. <i>Journal of Bridge Engineering</i> , <b>2018</b> , 23, 04017121	2.7	7
119	The PI3K/Akt/FOXO3a pathway regulates regeneration following spinal cord injury in adult rats through TNF- $\alpha$ and p27kip1 expression. <i>International Journal of Molecular Medicine</i> , <b>2018</b> , 41, 2832-2838	4.4	13
118	Life-Cycle Performance of a Bridge Subjected to Multiple Heavy Vehicle Impacts. <i>Emerald Reach Proceedings Series</i> , <b>2018</b> , 13-18	0.4	
117	Qualitative Analysis of the Occupational Health and Safety Performance of Chinese International Construction Projects. <i>Sustainability</i> , <b>2018</b> , 10, 4344	3.6	10
116	Establishment of fluoroscopy views and standardized procedure of percutaneous magic screw insertion for acetabulum fractures. <i>BMC Musculoskeletal Disorders</i> , <b>2018</b> , 19, 332	2.8	1
115	The Augment of the Stability in Locking Compression Plate with Intramedullary Fibular Allograft for Proximal Humerus Fractures in Elderly People. <i>BioMed Research International</i> , <b>2018</b> , 2018, 3130625	3	7
114	Application of FRP Bolts in Monitoring the Internal Force of the Rocks Surrounding a Mine-Shield Tunnel. <i>Sensors</i> , <b>2018</b> , 18,	3.8	5
113	Reliability analysis for disaster waste management systems. <i>Waste Management</i> , <b>2018</b> , 78, 31-42	8.6	10
112	Wind-induced nonlinear behaviors of twin-box girder bridges with various aerodynamic shapes. <i>Nonlinear Dynamics</i> , <b>2018</b> , 94, 1095-1115	5	23
111	Early Experience with Reduction of Unstable Pelvic Fracture Using a Computer-Aided Reduction Frame. <i>BioMed Research International</i> , <b>2018</b> , 2018, 7297635	3	6
110	Computer Simulation of Contact Forces Generated by Impact. <i>International Journal of Structural Stability and Dynamics</i> , <b>2017</b> , 17, 1750005	1.9	7
109	Computational modelling of bone fracture healing under partial weight-bearing exercise. <i>Medical Engineering and Physics</i> , <b>2017</b> , 42, 65-72	2.4	15
108	Detecting structural damage to bridge girders using radar interferometry and computational modelling. <i>Structural Control and Health Monitoring</i> , <b>2017</b> , 24, e1985	4.5	25
107	Comparison of the Efficacy Between Two Micro-Operative Therapies of Old Patients With Osteoporotic Vertebral Compression Fracture: A Network Meta-Analysis. <i>Journal of Cellular Biochemistry</i> , <b>2017</b> , 118, 3205-3212	4.7	15
106	A probabilistic study of ground motion simulation for Bangkok soil. <i>Bulletin of Earthquake Engineering</i> , <b>2017</b> , 15, 1925-1943	3.7	3
105	The spatio-temporal mechanical environment of healthy and injured human cartilage during sustained activity and its role in cartilage damage. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2017</b> , 74, 1-10	4.1	26
104	Adrenomedullin inhibits osteoclast differentiation through the suppression of receptor activator of nuclear factor- $\kappa$ B ligand-induced nuclear factor- $\kappa$ B activation in glucocorticoid-induced osteoporosis. <i>Experimental and Therapeutic Medicine</i> , <b>2017</b> , 14, 4009-4016	2.1	1

103	Accordion technique combined with minimally invasive percutaneous decortication for the treatment of bone non-union. <i>Injury</i> , <b>2017</b> , 48, 2270-2275	2.5	8
102	A sequential delivery system employing the synergism of EPO and NGF promotes sciatic nerve repair. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 159, 327-336	6	18
101	Antibacterial and cytocompatible AgNPs constructed with the assistance of Mefp-1 for orthopaedic implants. <i>RSC Advances</i> , <b>2017</b> , 7, 38434-38443	3.7	9
100	Repairing sciatic nerve injury with an EPO-loaded nerve conduit and sandwiched-in strategy of transplanting mesenchymal stem cells. <i>Biomaterials</i> , <b>2017</b> , 142, 90-100	15.6	24
99	The role of impairment of mesenchymal stem cell function in osteoporotic bone fracture healing. <i>Australasian Physical and Engineering Sciences in Medicine</i> , <b>2017</b> , 40, 603-610	1.9	9
98	Characterization of Articular Cartilage Recovery and Its Correlation with Optical Response in the Near-Infrared Spectral Range. <i>Cartilage</i> , <b>2017</b> , 8, 307-316	3	4
97	Interference Effect on Stationary Aerodynamic Performance between Parallel Bridges. <i>International Journal of Structural Stability and Dynamics</i> , <b>2017</b> , 17, 1750017	1.9	3
96	Evaluating the Use of Serum Inflammatory Markers for Preoperative Diagnosis of Infection in Patients with Nonunions. <i>BioMed Research International</i> , <b>2017</b> , 2017, 9146317	3	14
95	Predicting Knee Osteoarthritis. <i>Annals of Biomedical Engineering</i> , <b>2016</b> , 44, 222-33	4.7	34
94	The compliance of thromboprophylaxis affects the risk of venous thromboembolism in patients undergoing hip fracture surgery. <i>SpringerPlus</i> , <b>2016</b> , 5, 1362		11
93	Rôles des interférons sur les ostéoclastes et l'ostéoclastogénèse. <i>Revue Du Rhumatisme (Edition Française)</i> , <b>2016</b> , 83, 346-351	0.1	
92	A novel master-slave teleoperation robot system for diaphyseal fracture reduction: a preliminary study. <i>Computer Assisted Surgery</i> , <b>2016</b> , 21, 162-167	1.8	11
91	Experimental study on treatment of acetabular anterior column fractures: application of a minimally invasive percutaneous lag screw guide apparatus. <i>BMC Musculoskeletal Disorders</i> , <b>2016</b> , 17, 27	2.8	4
90	Investigation of proteome changes in osteoclastogenesis in low serum culture system using quantitative proteomics. <i>Proteome Science</i> , <b>2016</b> , 14, 8	2.6	3
89	Chitooligosaccharide Inhibits Scar Formation and Enhances Functional Recovery in a Mouse Model of Sciatic Nerve Injury. <i>Molecular Neurobiology</i> , <b>2016</b> , 53, 2249-57	6.2	9
88	The relationship between interfragmentary movement and cell differentiation in early fracture healing under locking plate fixation. <i>Australasian Physical and Engineering Sciences in Medicine</i> , <b>2016</b> , 39, 123-33	1.9	31
87	The roles of interferons in osteoclasts and osteoclastogenesis. <i>Joint Bone Spine</i> , <b>2016</b> , 83, 276-81	2.9	21
86	Comparison of anterograde versus retrograde percutaneous screw fixation of anterior column acetabular fractures. <i>International Journal of Computer Assisted Radiology and Surgery</i> , <b>2016</b> , 11, 635-9	3.9	8

85	Long-Term Follow-Up of the Repair of the Multiple-Branch Facial Nerve Defect Using Acellular Nerve Allograft. <i>Journal of Oral and Maxillofacial Surgery</i> , <b>2016</b> , 74, 218.e1-11	1.8	8
84	Evaluation of Elastic Stiffness in Healing Achilles Tendon After Surgical Repair of a Tendon Rupture Using In Vivo Ultrasound Shear Wave Elastography. <i>Medical Science Monitor</i> , <b>2016</b> , 22, 1186-91	3.2	45
83	Establishment of a rat model of chronic thoracolumbar cord compression with a flat plastic screw. <i>Neural Regeneration Research</i> , <b>2016</b> , 11, 963-70	4.5	5
82	The Effect of Teriparatide on Fracture Healing of Osteoporotic Patients: A Meta-Analysis of Randomized Controlled Trials. <i>BioMed Research International</i> , <b>2016</b> , 2016, 6040379	3	28
81	Effect of Negative Pressure on Proliferation, Virulence Factor Secretion, Biofilm Formation, and Virulence-Regulated Gene Expression of In Vitro. <i>BioMed Research International</i> , <b>2016</b> , 2016, 7986234	3	9
80	An Effective and Feasible Method, "Hammering Technique," for Percutaneous Fixation of Anterior Column Acetabular Fracture. <i>BioMed Research International</i> , <b>2016</b> , 2016, 7151950	3	2
79	Percutaneous Anterior Column Fixation for Acetabulum Fractures, Does It Have to Be Difficult?-The New Axial Pedicle View of the Anterior Column for Percutaneous Fixation. <i>Journal of Orthopaedic Trauma</i> , <b>2016</b> , 30, e30-5	3.1	5
78	Inhibitory effect of super-hydrophobicity on silver release and antibacterial properties of super-hydrophobic Ag/TiO <sub>2</sub> nanotubes. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2016</b> , 104, 1004-12	3.5	27
77	PHYSICAL SYMMETRY AND VIRTUAL PLANE-BASED REDUCTION REFERENCE: A PRELIMINARY STUDY FOR ROBOT-ASSISTED PELVIC FRACTURE REDUCTION. <i>Journal of Mechanics in Medicine and Biology</i> , <b>2016</b> , 16, 1640014	0.7	3
76	Analysis of the independent risk factors of neurologic deficit after thoracolumbar burst fracture. <i>Journal of Orthopaedic Surgery and Research</i> , <b>2016</b> , 11, 128	2.8	8
75	Synthesis and Properties of Hemostatic and Bacteria-Responsive in Situ Hydrogels for Emergency Treatment in Critical Situations. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 12674-83	9.5	127
74	Double locking plate fixation for femoral shaft nonunion. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , <b>2016</b> , 26, 501-7	2.2	11
73	Early application of negative pressure wound therapy to acute wounds contaminated with : An effective approach to preventing biofilm formation. <i>Experimental and Therapeutic Medicine</i> , <b>2016</b> , 11, 769-776	2.1	18
72	A mathematical method for precisely calculating the radiographic angles of the cup after total hip arthroplasty. <i>Medical Engineering and Physics</i> , <b>2016</b> , 38, 1376-1381	2.4	5
71	Influence of fracture geometry on bone healing under locking plate fixations: A comparison between oblique and transverse tibial fractures. <i>Medical Engineering and Physics</i> , <b>2016</b> , 38, 1100-8	2.4	30
70	Computer-aided pelvic reduction frame for anatomical closed reduction of unstable pelvic fractures. <i>Journal of Orthopaedic Research</i> , <b>2016</b> , 34, 81-7	3.8	5
69	Red Cell Distribution Width as an Independent Predictor of Long-Term Mortality in Hip Fracture Patients: A Prospective Cohort Study. <i>Journal of Bone and Mineral Research</i> , <b>2016</b> , 31, 223-33	6.3	21
68	Time evolution of deformation in a human cartilage under cyclic loading. <i>Annals of Biomedical Engineering</i> , <b>2015</b> , 43, 1166-77	4.7	39

67	Three-column osteotomy surgery versus standard surgical management for the correction of adult spinal deformity: a cohort study. <i>Journal of Orthopaedic Surgery and Research</i> , <b>2015</b> , 10, 23	2.8	7
66	Effect of Octacalcium-Phosphate-Modified Micro/Nanostructured Titania Surfaces on Osteoblast Response. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 14384-96	9.5	57
65	Association between calcitonin receptor I gene polymorphism and bone mineral density: A meta-analysis. <i>Experimental and Therapeutic Medicine</i> , <b>2015</b> , 9, 65-76	2.1	2
64	Intramedullary nailing versus plating for distal tibia fractures without articular involvement: a meta-analysis. <i>Journal of Orthopaedic Surgery and Research</i> , <b>2015</b> , 10, 95	2.8	28
63	Predicting the optimal entry point for femoral antegrade nailing using a new measurement approach. <i>International Journal of Computer Assisted Radiology and Surgery</i> , <b>2015</b> , 10, 1557-65	3.9	8
62	Comparison of microstructural and mechanical properties of trabeculae in femoral head from osteoporosis patients with and without cartilage lesions: a case-control study. <i>BMC Musculoskeletal Disorders</i> , <b>2015</b> , 16, 72	2.8	8
61	Proteomic study of different culture medium serum volume fractions on RANKL-dependent RAW264.7 cells differentiating into osteoclasts. <i>Proteome Science</i> , <b>2015</b> , 13, 16	2.6	6
60	Reconstruction of a large soft-tissue defect in the single finger using the modified cross-finger flap. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2015</b> , 68, 990-4	1.7	3
59	Infected nonunion of tibia and femur treated by bone transport. <i>Journal of Orthopaedic Surgery and Research</i> , <b>2015</b> , 10, 49	2.8	55
58	Validation of the simplified Chinese (Mainland) version of the Disability of the Arm, Shoulder, and Hand questionnaire (DASH-CHNPLAGH). <i>Journal of Orthopaedic Surgery and Research</i> , <b>2015</b> , 10, 76	2.8	10
57	Ipsilateral fibula transport for the treatment of massive tibial bone defects. <i>Injury</i> , <b>2015</b> , 46, 2273-7	2.5	2
56	Effect of negative pressure on growth, secretion and biofilm formation of <i>Staphylococcus aureus</i> . <i>Antonie Van Leeuwenhoek</i> , <b>2015</b> , 108, 907-17	2.1	18
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