

# Li-Hai Zhang

## List of Publications by Citations

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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	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
191	Effect of Superhydrophobic Surface of Titanium on Staphylococcus aureus Adhesion. <i>Journal of Nanomaterials</i> , <b>2011</b> , 2011, 1-8	3.2	87
190	A Systematic Review and Meta-Analysis of Ilizarov Methods in the Treatment of Infected Nonunion of Tibia and Femur. <i>PLoS ONE</i> , <b>2015</b> , 10, e0141973	3.7	66
189	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
188	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
187	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
186	In vivo two-photon imaging of axonal dieback, blood flow, and calcium influx with methylprednisolone therapy after spinal cord injury. <i>Scientific Reports</i> , <b>2015</b> , 5, 9691	4.9	41
185	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
184	Novel 3D hexapod computer-assisted orthopaedic surgery system for closed diaphyseal fracture reduction. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , <b>2012</b> , 8, 17-24	2.9	39
183	Meta-analysis of locking plate versus intramedullary nail for treatment of proximal humeral fractures. <i>Journal of Orthopaedic Surgery and Research</i> , <b>2015</b> , 10, 122	2.8	35
182	Predicting Knee Osteoarthritis. <i>Annals of Biomedical Engineering</i> , <b>2016</b> , 44, 222-33	4.7	34
181	Advancing computer-assisted orthopaedic surgery using a hexapod device for closed diaphyseal fracture reduction. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , <b>2015</b> , 11, 348-359	2.9	34
180	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
179	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
178	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
177	The Multiple Roles of MicroRNA-223 in Regulating Bone Metabolism. <i>Molecules</i> , <b>2015</b> , 20, 19433-48	4.8	28
176	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

175	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
174	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
173	Modeling the Insulin-Like Growth Factor System in Articular Cartilage. <i>PLoS ONE</i> , <b>2013</b> , 8, e66870	3.7	26
172	Integrated Model of IGF-I Mediated Biosynthesis in a Deformed Articular Cartilage. <i>Journal of Engineering Mechanics - ASCE</i> , <b>2009</b> , 135, 439-449	2.4	26
171	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
170	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
169	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
168	Role of chemical and mechanical stimuli in mediating bone fracture healing. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2012</b> , 39, 706-10	3	23
167	Bone transport for the treatment of infected forearm nonunion. <i>Injury</i> , <b>2014</b> , 45, 1880-4	2.5	23
166	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
165	The roles of interferons in osteoclasts and osteoclastogenesis. <i>Joint Bone Spine</i> , <b>2016</b> , 83, 276-81	2.9	21
164	Comparison of lateral and posterior surgical approach in management of extra-articular distal humeral shaft fractures. <i>Injury</i> , <b>2014</b> , 45, 1121-5	2.5	21
163	Isolation and purification of psoralen and isopsoralen and their efficacy and safety in the treatment of osteosarcoma in nude rats. <i>African Health Sciences</i> , <b>2014</b> , 14, 641-7	1.1	21
162	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
161	Effect of chitosan as a dispersant on collagen-hydroxyapatite composite matrices. <i>Tissue Engineering - Part C: Methods</i> , <b>2010</b> , 16, 71-9	2.9	20
160	Evaluation of modifying collagen matrix with RGD peptide through periodate oxidation. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2005</b> , 73, 468-75	5.4	20
159	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
158	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

157	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
156	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
155	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
154	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
153	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
152	Outcome of posterior cruciate ligament reconstruction using the single- versus double bundle technique: a meta-analysis. <i>Journal of International Medical Research</i> , <b>2015</b> , 43, 149-60	1.4	15
151	SOLUTE TRANSPORT IN CYCLIC DEFORMED HETEROGENEOUS ARTICULAR CARTILAGE. <i>International Journal of Applied Mechanics</i> , <b>2011</b> , 03, 507-524	2.4	15
150	Reliability analysis of road networks in disaster waste management. <i>Waste Management</i> , <b>2019</b> , 84, 383-393	3.8	15
149	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
148	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
147	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
146	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
145	Preoperative trajectory planning for closed reduction of long-bone diaphyseal fracture using a computer-assisted reduction system. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , <b>2015</b> , 11, 58-66	2.9	14
144	Correlation between Parameters of Calcaneal Quantitative Ultrasound and Hip Structural Analysis in Osteoporotic Fracture Patients. <i>PLoS ONE</i> , <b>2015</b> , 10, e0145879	3.7	14
143	A New Measurement Technique of the Characteristics of Nutrient Artery Canals in Tibias Using Materialise's Interactive Medical Image Control System Software. <i>BioMed Research International</i> , <b>2015</b> , 2015, 171672	3	14
142	Localized and sustained delivery of erythropoietin from PLGA microspheres promotes functional recovery and nerve regeneration in peripheral nerve injury. <i>BioMed Research International</i> , <b>2015</b> , 2015, 478103	3	14
141	Three-Dimensional Analysis of the Curvature of the Femoral Canal in 426 Chinese Femurs. <i>BioMed Research International</i> , <b>2015</b> , 2015, 318391	3	14
140	Three-Dimensional Analysis of the Characteristics of the Femoral Canal Isthmus: An Anatomical Study. <i>BioMed Research International</i> , <b>2015</b> , 2015, 459612	3	14

139	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
138	Accuracy Analysis of a Robot System for Closed Diaphyseal Fracture Reduction. <i>International Journal of Advanced Robotic Systems</i> , <b>2014</b> , 11, 169	1.4	13
137	A removable hybrid robot system for long bone fracture reduction. <i>Bio-Medical Materials and Engineering</i> , <b>2014</b> , 24, 501-9	1	13
136	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
135	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
134	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
133	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
132	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
131	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
130	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
129	A multi-reference-based mode selection approach for the implementation of NExTERA in modal-based damage detection. <i>Structural Control and Health Monitoring</i> , <b>2014</b> , 21, 1137-1153	4.5	10
128	A visual servo-based teleoperation robot system for closed diaphyseal fracture reduction. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , <b>2015</b> , 229, 629-37	1.7	10
127	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
126	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
125	Reliability analysis for disaster waste management systems. <i>Waste Management</i> , <b>2018</b> , 78, 31-42	8.6	10
124	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
123	Negative-Pressure Wound Therapy in a Infection Model. <i>BioMed Research International</i> , <b>2018</b> , 2018, 9496183	9	9
122	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

121	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
120	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
119	Synergistic Effects of BMP9 and miR-548d-5p on Promoting Osteogenic Differentiation of Mesenchymal Stem Cells. <i>BioMed Research International</i> , <b>2015</b> , 2015, 309747	3	9
118	Relationship between fracture-relevant parameters of thoracolumbar burst fractures and the reduction of intra-canal fracture fragment. <i>Journal of Orthopaedic Surgery and Research</i> , <b>2015</b> , 10, 131	2.8	9
117	Effects of cyclic loading on the long-term deflection of prestressed concrete beams. <i>Computers and Concrete</i> , <b>2013</b> , 12, 739-754		9
116	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
115	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
114	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
113	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
112	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
111	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
110	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
109	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
108	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
107	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
106	Sensitivity Analysis of Geometrical Parameters on the Aerodynamic Performance of Closed-Box Girder Bridges. <i>Sensors</i> , <b>2018</b> , 18,	3.8	8
105	Computer-aided design and custom-made guide in corrective osteotomy for complex femoral deformity. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , <b>2013</b> , 33, 398-405		8
104	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

103	The Role Of Semaphorin 3A In The Skeletal System. <i>Critical Reviews in Eukaryotic Gene Expression</i> , <b>2015</b> , 25, 47-57	1.3	8
102	Proteomic Analysis of Estrogen-Mediated Signal Transduction in Osteoclasts Formation. <i>BioMed Research International</i> , <b>2015</b> , 2015, 596789	3	8
101	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
100	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
99	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
98	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
97	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
96	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
95	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
94	Structural Health Monitoring of Underground Structures in Reclamation Area Using Fiber Bragg Grating Sensors. <i>Sensors</i> , <b>2019</b> , 19,	3.8	7
93	Remodeling the Dendritic Spines in the Hindlimb Representation of the Sensory Cortex after Spinal Cord Hemisection in Mice. <i>PLoS ONE</i> , <b>2015</b> , 10, e0132077	3.7	7
92	Flutter Characteristics of Thin Plate Sections for Aerodynamic Bridges. <i>Journal of Bridge Engineering</i> , <b>2018</b> , 23, 04017121	2.7	7
91	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
90	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
89	Inhibition of p21-activated kinase 1 by IPA-3 attenuates secondary injury after traumatic brain injury in mice. <i>Brain Research</i> , <b>2014</b> , 1585, 13-22	3.7	6
88	Robot-musculoskeletal dynamic biomechanical model in robot-assisted diaphyseal fracture reduction. <i>Bio-Medical Materials and Engineering</i> , <b>2015</b> , 26 Suppl 1, S365-74	1	6
87	Economic risk analysis for sustainable urban development: validation of framework and decision support technique. <i>Desalination and Water Treatment</i> , <b>2014</b> , 52, 1109-1121		6
86	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

85	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
84	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
83	Ilizarov bone transport for the treatment of fibular osteomyelitis: a report of five cases. <i>BMC Musculoskeletal Disorders</i> , <b>2015</b> , 16, 242	2.8	5
82	A computer aided measurement method for unstable pelvic fractures based on standardized radiographs. <i>BMC Medical Imaging</i> , <b>2015</b> , 15, 41	2.9	5
81	Comparisons of collagen gel and collagen matrix as cell growth microenvironment: the physical-chemical properties. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , <b>2009</b> , 37, 166-72		5
80	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
79	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
78	The investigation of bone fracture healing under intramembranous and endochondral ossification. <i>Bone Reports</i> , <b>2021</b> , 14, 100740	2.6	5
77	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
76	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
75	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
74	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
73	Investigation of role of cartilage surface polymer brush border in lubrication of biological joints. <i>Friction</i> , <b>2018</b> , 1	5.6	5
72	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
71	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
70	Experimental study on treatment of acetabular anterior column fractures: aplyment of a minimally invasive percutaneous lag screw guide apparatus. <i>BMC Musculoskeletal Disorders</i> , <b>2016</b> , 17, 27	2.8	4
69	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
68	AN INNOVATIVE PROCEDURE FOR ESTIMATING CONTACT FORCE DURING IMPACT. <i>International Journal of Applied Mechanics</i> , <b>2014</b> , 06, 1450079	2.4	4



67	SIMPLIFIED ANALYSIS OF LOW VELOCITY IMPACT ACTIONS ON SHALLOW DOMES. <i>International Journal of Applied Mechanics</i> , <b>2013</b> , 05, 1350013	2.4	4
66	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
65	Transitions between nanomechanical and continuum mechanical contacts: new insights from liquid structure. <i>Nanoscale</i> , <b>2019</b> , 11, 22954-22963	7.7	4
64	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
63	Systematic reviews on reports of hip fractures in Web of Science: a bibliometric analysis of publication activity. <i>Chinese Medical Journal</i> , <b>2014</b> , 127, 2518-22	2.9	4
62	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
61	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
60	Probabilistic modelling of forces of hail. <i>Natural Hazards</i> , <b>2018</b> , 91, 133-153	3	3
59	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
58	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
57	Two-photon microscopy as a tool to investigate the therapeutic time window of methylprednisolone in a mouse spinal cord injury model. <i>Restorative Neurology and Neuroscience</i> , <b>2015</b> , 33, 291-300	2.8	3
56	Study on modification of collagen with chondroitin sulfate on the microcosmic level. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , <b>2005</b> , 33, 215-26		3
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54	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
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