

William R. Walsh

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.

331
papers

8,674
citations

50
h-index

75
g-index

352
ext. papers

9,725
ext. citations

3.5
avg, IF

5.97
L-index

#	Paper	IF	Citations
331	The thermal profile of self-tapping screws: The effect of insertion speed, power insertion, and screw geometry on heat production at the bone-screw interface.. <i>Medical Engineering and Physics</i> , 2022 , 100, 103754	2.4	
330	Historical Note: The Evolution of Cortical Bone Trajectory and Associated Techniques.. <i>Spine Surgery and Related Research</i> , 2022 , 6, 1-9	1.7	1
329	Standalone titanium/polyetheretherketone interbody cage for anterior lumbar interbody fusion: Clinical and radiological results at 24 months.. <i>Journal of Craniovertebral Junction and Spine</i> , 2022 , 13, 42-47	1	
328	SMARTImplantable devices for spinal implants: a systematic review on current and future trends.. <i>Journal of Spine Surgery</i> , 2022 , 8, 117-131	2.5	0
327	Bioinspired Polydopamine Coatings Facilitate Attachment of Antimicrobial Peptidomimetics with Broad-Spectrum Antibacterial Activity.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	1
326	Effect of head size and rotation on taper corrosion in a hip simulator. <i>Bone & Joint Open</i> , 2021 , 2, 1004-1016	10.16	2
325	Integral fixation titanium/polyetheretherketone cages for cervical arthrodesis: Two-year clinical outcomes and fusion rates using tricalcium phosphate or supercritical carbon dioxide treated allograft.. <i>Journal of Craniovertebral Junction and Spine</i> , 2021 , 12, 368-375	1	
324	High-strength, porous additively manufactured implants with optimized mechanical osseointegration. <i>Biomaterials</i> , 2021 , 279, 121206	15.6	10
323	Single level posterolateral lumbar fusion in a New Zealand White rabbit () model: Surgical anatomy, operative technique, autograft fusion rates, and perioperative care. <i>JOR Spine</i> , 2021 , 4, e1135	3.7	1
322	Kinematics of the Feline Antebrachiocondylar Joint from Supination to Pronation. <i>Veterinary and Comparative Orthopaedics and Traumatology</i> , 2021 , 34, 115-123	1.2	1
321	Sagittal patellar flexion angle measurement determines greater incidence of patella alta in patellar tendinopathy patients. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021 , 29, 3115-3123	5.5	0
320	Functional repair of critically sized femoral defects treated with bioinspired titanium gyroid-sheet scaffolds. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021 , 116, 104380	4.1	7
319	Effect of Bicortical Interfragmentary Screw Size on the Fixation of Metacarpal Shaft Fractures: A 3-Dimensional-Printed Biomechanical Study.. <i>Journal of Hand Surgery Global Online</i> , 2021 , 3, 154-159	0.6	
318	The efficacy of a nanosynthetic bone graft substitute as a bone graft extender in rabbit posterolateral fusion. <i>Spine Journal</i> , 2021 , 21, 1925-1937	4	0
317	Effect of ultraviolet-C light on the environmental bacterial bioburden in various veterinary facilities. <i>American Journal of Veterinary Research</i> , 2021 , 82, 582-588	1.1	2
316	In-Vivo response to a novel pillared surface morphology for osseointegration in an ovine model. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021 , 119, 104462	4.1	3
315	Moment arm function dictates patella sagittal height anatomy: Rabbit epiphyseal model alters limb length ratios and subsequent patellofemoral anatomical development. <i>Journal of Orthopaedic Research</i> , 2021 , 39, 637-647	3.8	0

314	Load Sharing and Endplate Pressure Distribution in Anterior Interbody Fusion Influenced by Graft Choice. <i>World Neurosurgery</i> , 2021 , 146, e336-e340	2.1	0
313	Fatigue implications for bending orthopaedic plates. <i>Injury</i> , 2021 , 52, 2896-2902	2.5	3
312	Induction of muscle-regenerative multipotent stem cells from human adipocytes by PDGF-AB and 5-azacytidine. <i>Science Advances</i> , 2021 , 7,	14.3	1
311	Do combined glucosamine sulfate and chondroitin sulfate supplements affect condylar remodelling during functional appliance therapy?. <i>Australasian Orthodontic Journal</i> , 2021 , 34, 27-35		0
310	Authors reply to "does undercut macrostructure cage cause increase of subsidence incidence and decrease of disc height?". <i>Spine Journal</i> , 2021 , 21, 353-354	4	
309	Temporal response of an injectable calcium phosphate material in a critical size defect. <i>Journal of Orthopaedic Surgery and Research</i> , 2021 , 16, 496	2.8	1
308	The effect of a novel pillar surface morphology and material composition demonstrates uniform osseointegration. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021 , 123, 104775	4.1	0
307	The Reliability and Validity of Wearable Inertial Sensors Coupled with the Microsoft Kinect to Measure Shoulder Range-of-Motion. <i>Sensors</i> , 2020 , 20,	3.8	3
306	Bone ongrowth and mechanical fixation of implants in cortical and cancellous bone. <i>Journal of Orthopaedic Surgery and Research</i> , 2020 , 15, 177	2.8	8
305	Distalising tibial tubercle osteotomy decreases patellar tendon force - A treatment rationale for recalcitrant patellar tendinopathy. <i>Knee</i> , 2020 , 27, 871-877	2.6	2
304	Effects of SCCO, Gamma Irradiation, and Sodium Dodecyl Sulfate Treatments on the Initial Properties of Tendon Allografts. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	7
303	Reduction of bacterial load with the addition of ultraviolet-C disinfection inside the hyperbaric chamber. <i>Diving and Hyperbaric Medicine</i> , 2020 , 50, 332-337	1	3
302	C3-C5 Chordoma Resection and Reconstruction with a Three-Dimensional Printed Titanium Patient-Specific Implant. <i>World Neurosurgery</i> , 2020 , 136, 226-233	2.1	7
301	Three-Dimensional Morphometric Analysis of Lumbar Vertebral End Plate Anatomy. <i>World Neurosurgery</i> , 2020 , 135, e321-e332	2.1	3
300	3D-printed spine surgery implants: a systematic review of the efficacy and clinical safety profile of patient-specific and off-the-shelf devices. <i>European Spine Journal</i> , 2020 , 29, 1248-1260	2.7	29
299	A New Era of Antibiotics: The Clinical Potential of Antimicrobial Peptides. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	88
298	Undercut macrostructure topography on and within an interbody cage improves biomechanical stability and interbody fusion. <i>Spine Journal</i> , 2020 , 20, 1876-1886	4	2
297	Innovation and New Technologies in Spine Surgery, Circa 2020: A Fifty-Year Review. <i>Frontiers in Surgery</i> , 2020 , 7, 575318	2.3	1

296	Stand up! Are normal weight-bearing forces sufficient for a 12/14 Morse taper locking in total hip arthroplasty?. <i>HIP International</i> , 2020 , 1120700020967000	1.7	
295	Comparative osteoconductivity of bone void fillers with antibiotics in a critical size bone defect model. <i>Journal of Materials Science: Materials in Medicine</i> , 2020 , 31, 80	4.5	3
294	MagnetOs, Vitoss, and Novabone in a Multi-endpoint Study of Posterolateral Fusion: A True Fusion or Not?. <i>Clinical Spine Surgery</i> , 2020 , 33, E276-E287	1.8	4
293	Sagittal patellar flexion angle: a novel clinically validated patellar height measurement reflecting patellofemoral kinematics useful throughout knee flexion. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020 , 28, 975-983	5.5	3
292	Performance of Seven Commercially Available Demineralized Bone Matrix Fiber and Putty Products in a Rat Posterolateral Fusion Model. <i>Frontiers in Surgery</i> , 2020 , 7, 10	2.3	12
291	Evaluation of comparative soft tissue response to bone void fillers with antibiotics in a rabbit intramuscular model. <i>Journal of Biomaterials Applications</i> , 2019 , 34, 117-129	2.9	2
290	How Does Cage Lordosis Influence Postoperative Segmental Lordosis in Lumbar Interbody Fusion. <i>World Neurosurgery</i> , 2019 , 126, e606-e611	2.1	4
289	Corrosion of 3D-Printed Orthopaedic Implant Materials. <i>Annals of Biomedical Engineering</i> , 2019 , 47, 162-173	1.7	11
288	Does implantation site influence bone ingrowth into 3D-printed porous implants?. <i>Spine Journal</i> , 2019 , 19, 1885-1898	4	21
287	Treatment of patella tendinopathy by distalising tibial tubercle osteotomy. <i>BMJ Case Reports</i> , 2019 , 12,	0.9	3
286	The effect of surgery on patellar tendinopathy: Novel use of MRI questions the exploitability of the rat collagenase model to humans. <i>Knee</i> , 2019 , 26, 1182-1191	2.6	1
285	The use of demineralised bone fibres (DBF) in conjunction with supercritical carbon dioxide (SCCO) treated allograft in anterior lumbar interbody fusion (ALIF). <i>Journal of Spine Surgery</i> , 2019 , 5, 589-595	2.5	2
284	Quantification of Head Shape and Cranioplasty Outcomes: Six-compartment Volume Method Applied to Sagittal Synostosis. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2019 , 7, e2171	1.2	4
283	Patella tendinopathy Zoobiquity - What can we learn from dogs?. <i>Knee</i> , 2019 , 26, 115-123	2.6	4
282	Integral Fixation Titanium/Polyetheretherketone Cages for Cervical Arthrodesis: Evolution of Cage Design and Early Radiological Outcomes and Fusion Rates. <i>Orthopaedic Surgery</i> , 2019 , 11, 52-59	2.5	13
281	Efficacy of a synthetic calcium phosphate with submicron surface topography as autograft extender in lapine posterolateral spinal fusion. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019 , 107, 2080-2090	3.5	7
280	Anterior Lumbar Interbody Fusion Using a Personalized Approach: Is Custom the Future of Implants for Anterior Lumbar Interbody Fusion Surgery?. <i>World Neurosurgery</i> , 2019 , 124, 452-452	2.1	29
279	The in vivo response to a novel Ti coating compared with polyether ether ketone: evaluation of the periphery and inner surfaces of an implant. <i>Spine Journal</i> , 2018 , 18, 1231-1240	4	23

278	Biomechanics of the knee extensor mechanism and its relationship to patella tendinopathy: A review. <i>Journal of Orthopaedic Research</i> , 2018 , 36, 3105-3112	3.8	17
277	Effects of supercritical fluid CO and 25kGy gamma irradiation on the initial mechanical properties and histological appearance of tendon allograft. <i>Cell and Tissue Banking</i> , 2018 , 19, 603-612	2.2	6
276	Three-dimensional kinematics of the canine carpal bones imaged with computed tomography after ex vivo axial limb loading and palmar ligament transection. <i>Veterinary Surgery</i> , 2018 , 47, 861-871	1.7	5
275	Teaching Tip: Simulated Tumors as an Aid to Teaching Principles of Surgical Oncology. <i>Journal of Veterinary Medical Education</i> , 2018 , 45, 250-254	1.3	1
274	Suture wear particles cause a significant inflammatory response in a murine synovial airpouch model. <i>Journal of Orthopaedic Surgery and Research</i> , 2018 , 13, 311	2.8	7
273	3-dimensional printing for anterior cervical surgery: a review. <i>Journal of Spine Surgery</i> , 2018 , 4, 757-769	2.5	18
272	Evaluation of Intrinsic Biomechanical Risk Factors in Patellar Tendinopathy: A Retrospective Radiographic Case-Control Series. <i>Orthopaedic Journal of Sports Medicine</i> , 2018 , 6, 2325967118816038	3.5	9
271	Biphasic calcium phosphate with submicron surface topography in an model of instrumented posterolateral spinal fusion. <i>JOR Spine</i> , 2018 , 1, e1039	3.7	6
270	Knee kinematics in anatomic anterior cruciate ligament reconstruction with four- and five-strand hamstring tendon autografts. <i>Orthopedic Reviews</i> , 2018 , 10, 7738	1.2	
269	A novel in vivo large animal model of lumbar spinal joint degeneration. <i>Spine Journal</i> , 2018 , 18, 1896-1909		6
268	Application of Calcium Sulfate for Dead Space Management in Soft Tissue: Characterisation of a Novel In Vivo Response. <i>BioMed Research International</i> , 2018 , 2018, 8065141	3	4
267	Radiological and clinical outcomes of novel Ti/PEEK combined spinal fusion cages: a systematic review and preclinical evaluation. <i>European Spine Journal</i> , 2017 , 26, 593-605	2.7	30
266	Anterior Lumbar Interbody Fusion Integrated Screw Cages: Intrinsic Load Generation, Subsidence, and Torsional Stability. <i>Orthopaedic Surgery</i> , 2017 , 9, 191-197	2.5	5
265	Evaluation of the artificial cotton roll tendon model for mechanical tendon repair experiments. <i>Journal of Hand Surgery: European Volume</i> , 2017 , 42, 526-528	1.4	1
264	What Is the Standard Volume to Increase a Cup Size for Breast Augmentation Surgery? A Novel Three-Dimensional Computed Tomographic Approach. <i>Plastic and Reconstructive Surgery</i> , 2017 , 139, 1084-1089	2.7	11
263	A novel method of suspending sheep for clinical research. <i>Laboratory Animals</i> , 2017 , 51, 652-655	2.6	1
262	Does systemic administration of casein phosphopeptides affect orthodontic movement and root resorption in rats?. <i>European Journal of Orthodontics</i> , 2017 , 39, 541-546	3.3	3
261	Analysis of the cephalometric changes in the first 3 months after spring-assisted cranioplasty for scaphocephaly. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2017 , 70, 673-685	1.7	8

260	Critical Size Bone Defect Healing Using Collagen-Calcium Phosphate Bone Graft Materials. <i>PLoS ONE</i> , 2017 , 12, e0168883	3.7	34
259	A biomechanical comparison of Kirschner-wire fixation on fracture stability in Salter-Harris type I fractures of the proximal humeral physis in a porcine cadaveric model. <i>BMC Veterinary Research</i> , 2017 , 13, 306	2.7	2
258	A Biomechanical Comparison of 4-Strand and 5-Strand Anterior Cruciate Ligament Graft Constructs. <i>Orthopedic Reviews</i> , 2017 , 9, 6989	1.2	6
257	The contribution of the cortical shell to pedicle screw fixation. <i>Journal of Spine Surgery</i> , 2017 , 3, 184-192	2.5	6
256	Animal Models for Tendon Repair Experiments: A Comparison of Pig, Sheep and Human Deep Flexor Tendons in Zone II. <i>Journal of hand surgery Asian-Pacific volume</i> , 2017 , 22, 329-336	0.5	5
255	Influence of Scan Resolution, Thresholding, and Reconstruction Algorithm on Computed Tomography-Based Kinematic Measurements. <i>Journal of Biomechanical Engineering</i> , 2017 , 139,	2.1	9
254	Biomechanical comparison of pin and nitinol bone staple fixation to pin and tension band wire fixation for the stabilization of canine olecranon osteotomies. <i>Veterinary and Comparative Orthopaedics and Traumatology</i> , 2017 , 30, 324-330	1.2	2
253	PEEK Versus Ti Interbody Fusion Devices: Resultant Fusion, Bone Apposition, Initial and 26-Week Biomechanics. <i>Clinical Spine Surgery</i> , 2016 , 29, E208-14	1.8	40
252	Potentiodynamic Corrosion Testing. <i>Journal of Visualized Experiments</i> , 2016 ,	1.6	4
251	Etching Process Related Changes and Effects on Solid-Core Single-Mode Polymer Optical Fiber Grating. <i>IEEE Photonics Journal</i> , 2016 , 8, 1-9	1.8	13
250	A Microscopic and Biomarker Evaluation of Embolic Filter Debris Collected During Carotid Artery Stenting. <i>Journal of Endovascular Therapy</i> , 2016 , 23, 275-84	2.5	9
249	The Impact of Nitinol Staples on the Compressive Forces, Contact Area, and Mechanical Properties in Comparison to a Claw Plate and Crossed Screws for the First Tarsometatarsal Arthrodesis. <i>Foot and Ankle Specialist</i> , 2016 , 9, 232-40	1.7	23
248	Accelerometers for objective evaluation of physical activity following spine surgery. <i>Journal of Clinical Neuroscience</i> , 2016 , 26, 14-8	2.2	18
247	High Intrinsic Sensitivity Etched Polymer Fiber Bragg Grating Pair for Simultaneous Strain and Temperature Measurements. <i>IEEE Sensors Journal</i> , 2016 , 16, 2453-2459	4	28
246	The Quantification of Corrosion Damage for Pre-stressed Conditions: A Model Using Stainless Steel. <i>Journal of Bio- and Tribo-Corrosion</i> , 2016 , 2, 1	2.9	4
245	Test-Retest and Intra-rater Reliability of Using Inertial Sensors and Its Integration with Microsoft Kinect [®] to Measure Shoulder Range-of-Motion. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2016 , 177-184	0.2	2
244	Restoring Segmental Biomechanics Through Nucleus Augmentation: An In Vitro Study. <i>Clinical Spine Surgery</i> , 2016 , 29, 461-467	1.8	2
243	Effects of cement augmentation on the mechanical stability of multilevel spine after vertebral compression fracture. <i>Journal of Spine Surgery</i> , 2016 , 2, 111-21	2.5	5

242	Titanium/Polyetheretherketone Cages for Cervical Arthrodesis with Degenerative and Traumatic Pathologies: Early Clinical Outcomes and Fusion Rates. <i>Orthopaedic Surgery</i> , 2016 , 8, 19-26	2.5	23
241	Evaluation of Transbronchial Lung Cryobiopsy Size and Freezing Time: A Prognostic Animal Study. <i>Respiration</i> , 2016 , 92, 34-9	3.7	21
240	Biomechanical evaluation of shape-memory alloy staples for internal fixation-an in vitro study. <i>Journal of Experimental Orthopaedics</i> , 2016 , 3, 19	2.3	20
239	The histological and elemental characterisation of corrosion particles from taper junctions. <i>Bone and Joint Research</i> , 2016 , 5, 370-8	4.2	10
238	PDGF-AB and 5-Azacytidine induce conversion of somatic cells into tissue-regenerative multipotent stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E2306-15	11.5	26
237	Does PEEK/HA Enhance Bone Formation Compared With PEEK in a Sheep Cervical Fusion Model?. <i>Clinical Orthopaedics and Related Research</i> , 2016 , 474, 2364-2372	2.2	45
236	Combination Ti/PEEK ALIF cage for anterior lumbar interbody fusion: Early clinical and radiological results. <i>Journal of Clinical Neuroscience</i> , 2016 , 34, 94-99	2.2	27
235	Plasma-sprayed titanium coating to polyetheretherketone improves the bone-implant interface. <i>Spine Journal</i> , 2015 , 15, 1041-9	4	107
234	Meniscal allograft sterilisation: effect on biomechanical and histological properties. <i>Cell and Tissue Banking</i> , 2015 , 16, 467-75	2.2	15
233	Variations in the trunnion surface topography between different commercially available hip replacement stems. <i>Journal of Orthopaedic Research</i> , 2015 , 33, 98-105	3.8	50
232	A nitinol "U-Clip" versus sutured arteriovenous anastomosis: local tissue response and intimal hyperplasia development in a sheep model. <i>European Journal of Vascular and Endovascular Surgery</i> , 2015 , 49, 344-52	2.3	3
231	Looped suture properties: implications for multistranded flexor tendon repair. <i>Journal of Hand Surgery: European Volume</i> , 2015 , 40, 234-8	1.4	6
230	Osseointegration of multiphase anodic spark deposition treated porous titanium implants in an ovine model. <i>Journal of Arthroplasty</i> , 2015 , 30, 484-8	4.4	15
229	The effect of supercritical carbon dioxide sterilization on the anisotropy of bovine cortical bone. <i>Cell and Tissue Banking</i> , 2015 , 16, 109-21	2.2	18
228	The Interlocking Modification of the Cross Locked Cruciate Tendon Repair (Modified Adelaide Repair): A Static and Dynamic Biomechanical Assessment. <i>Journal of Hand and Microsurgery</i> , 2015 , 7, 6-12	0.5	6
227	Structural Failure Mechanisms of Common Flexor Tendon Repairs. <i>Hand Surgery</i> , 2015 , 20, 369-79		5
226	Demineralisierte Knochenmatrix zur Augmentation der Sehnen-Knochen-Heilung. <i>Sports Orthopaedics and Traumatology</i> , 2015 , 31, 293-298	0.4	1
225	The Effect of Saline Coolant on Temperature Levels during Decortication with a Midas Rex: An In Vitro Model Using Sheep Cervical Vertebrae. <i>Frontiers in Surgery</i> , 2015 , 2, 37	2.3	2

224	The design evolution of interbody cages in anterior cervical discectomy and fusion: a systematic review. <i>BMC Musculoskeletal Disorders</i> , 2015 , 16, 99	2.8	69
223	Transdermal fentanyl and its use in ovine surgery. <i>Research in Veterinary Science</i> , 2015 , 100, 252-6	2.5	22
222	Experimental Study and Analysis of Hydrostatic Pressure Sensitivity of Polymer Fibre Bragg Gratings. <i>Journal of Lightwave Technology</i> , 2015 , 33, 2456-2462	4	40
221	Intrinsic High-Sensitivity Sensors Based on Etched Single-Mode Polymer Optical Fibers. <i>IEEE Photonics Technology Letters</i> , 2015 , 27, 604-607	2.2	27
220	Development of a Novel Model for the Assessment of Dead-Space Management in Soft Tissue. <i>PLoS ONE</i> , 2015 , 10, e0136514	3.7	21
219	11kGy gamma irradiated demineralized bone matrix enhances osteoclast activity. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2014 , 24, 655-61	2.2	5
218	Biomechanical evaluation of a biomimetic spinal construct. <i>Journal of Experimental Orthopaedics</i> , 2014 , 1, 3	2.3	9
217	Platelet-rich plasma and bone defect healing. <i>Tissue Engineering - Part A</i> , 2014 , 20, 2614-33	3.9	30
216	Lumbar spinal fusion with β -TCP granules and variable Escherichia coli-derived rhBMP-2 dose. <i>Spine Journal</i> , 2014 , 14, 1758-68	4	15
215	Influence of plate-bone contact on cyclically loaded conically coupled locking plate failure. <i>Injury</i> , 2014 , 45, 515-21	2.5	8
214	Tibial tuberosity transposition-advancement for lateralization of the tibial tuberosity: an ex vivo canine study. <i>Veterinary and Comparative Orthopaedics and Traumatology</i> , 2014 , 27, 271-6	1.2	7
213	The Masquelet technique for membrane induction and the healing of ovine critical sized segmental defects. <i>PLoS ONE</i> , 2014 , 9, e114122	3.7	54
212	A sheep model for cancellous bone healing. <i>Frontiers in Surgery</i> , 2014 , 1, 37	2.3	21
211	Midterm results using a medial pivot total knee replacement compared with the Australian National Joint Replacement Registry data. <i>ANZ Journal of Surgery</i> , 2014 , 84, 172-6	1	19
210	Corrosion resistance, surface evaluation, and geometric design comparison of five self-expanding nitinol stents used in clinical practice. <i>Journal of Endovascular Therapy</i> , 2014 , 21, 230-9	2.5	1
209	Human polyethylene granuloma tissues inhibit bone healing in a novel xenograft animal model. <i>Journal of Orthopaedic Research</i> , 2014 , 32, 735-43	3.8	
208	Spine interbody implants: material selection and modification, functionalization and bioactivation of surfaces to improve osseointegration. <i>Orthopaedic Surgery</i> , 2014 , 6, 81-9	2.5	152
207	Performance of a knotless four-strand flexor tendon repair with a unidirectional barbed suture device: a dynamic ex vivo comparison. <i>Journal of Hand Surgery: European Volume</i> , 2014 , 39, 30-9	1.4	25

206	Ovine model for critical-size tibial segmental defects. <i>Comparative Medicine</i> , 2014 , 64, 377-85	1.6	18
205	Can platelet-rich plasma (PRP) improve bone healing? A comparison between the theory and experimental outcomes. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2013 , 133, 153-65	3.6	79
204	The effect of sterilization on the mechanical properties of intact rabbit humeri in three-point bending, four-point bending and torsion. <i>Cell and Tissue Banking</i> , 2013 , 14, 231-42	2.2	25
203	Finite element micro-modelling of a human ankle bone reveals the importance of the trabecular network to mechanical performance: new methods for the generation and comparison of 3D models. <i>Journal of Biomechanics</i> , 2013 , 46, 200-5	2.9	27
202	The effects of low-intensity pulsed ultrasound on tendon-bone healing in a transosseous-equivalent sheep rotator cuff model. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2013 , 21, 466-75	5.5	27
201	Whip stitch versus grasping suture for tendon autograft. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2013 , 23, 105-9	2.2	7
200	In vivo implant fixation of carbon fiber-reinforced PEEK hip prostheses in an ovine model. <i>Journal of Orthopaedic Research</i> , 2013 , 31, 485-92	3.8	31
199	The effect of sterilization methods on the osteoconductivity of allograft bone in a critical-sized bilateral tibial defect model in rabbits. <i>Biomaterials</i> , 2013 , 34, 8185-94	15.6	24
198	The Knotless Tendon Repair With a Resorbable Unidirectional Barbed Suture Device: An In Vivo Comparison in the Turkey Foot. <i>Journal of Hand Surgery</i> , 2013 , 38, e33-e34	2.6	4
197	The effect of sterilization on the dynamic mechanical properties of paired rabbit cortical bone. <i>Journal of Biomechanics</i> , 2013 , 46, 1670-5	2.9	20
196	Poor histological healing of a femoral fracture following 12 months of oestrogen deficiency in rats. <i>Osteoporosis International</i> , 2013 , 24, 2581-9	5.3	21
195	Relationship between patellar tendon shortening and in vitro kinematics in the ovine stifle joint. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2013 , 227, 438-47	1.7	7
194	Biomechanical assessment of a novel tendon junction. <i>Journal of Hand Surgery: European Volume</i> , 2013 , 38, 795-800	1.4	7
193	Viscosity of Bone Cement Influences Effectiveness of Vacuum Mixing. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2013 , 62, 95-100	3	1
192	Cement-implant interface contamination: possible reason of inferior clinical outcomes for rough surface cemented stems. <i>The Open Orthopaedics Journal</i> , 2013 , 7, 250-7	0.3	6
191	Platelet function and constituents of platelet rich plasma. <i>International Journal of Sports Medicine</i> , 2013 , 34, 74-80	3.6	21
190	An arteriovenous fistula model of intimal hyperplasia for evaluation of a nitinol U-Clip anastomosis. <i>European Journal of Vascular and Endovascular Surgery</i> , 2012 , 43, 224-31	2.3	10
189	Influence of electron beam melting manufactured implants on ingrowth and shear strength in an ovine model. <i>Journal of Arthroplasty</i> , 2012 , 27, 1429-36	4.4	38

188	Effects of demineralized bone matrix on tendon-bone healing in an intra-articular rodent model. <i>American Journal of Sports Medicine</i> , 2012 , 40, 2365-74	6.8	32
187	The effect of gamma irradiation on the anisotropy of bovine cortical bone. <i>Medical Engineering and Physics</i> , 2012 , 34, 1117-22	2.4	15
186	Porosity in Polyaryletheretherketone 2012 , 181-199		8
185	Simulation of patella alta and the implications for in vitro patellar tracking in the ovine stifle joint. <i>Journal of Orthopaedic Research</i> , 2012 , 30, 1789-97	3.8	3
184	Novel surface modifications of carbon fiber-reinforced polyetheretherketone hip stem in an ovine model. <i>Artificial Organs</i> , 2012 , 36, 62-70	2.6	20
183	Relationship of surgical accuracy and clinical outcomes in Charit lumbar disc replacement. <i>Orthopaedic Surgery</i> , 2012 , 4, 145-55	2.5	7
182	Adjunctive ultrasonography to minimize iodinated contrast administration during carotid artery stenting: a randomized trial. <i>Journal of Endovascular Therapy</i> , 2012 , 19, 638-47	2.5	10
181	Wear in alumina-on-alumina ceramic total hip replacements: a retrieval analysis of edge loading. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2012 , 94, 901-7		53
180	Molecular targeted therapies for cancer: sorafenib mono-therapy and its combination with other therapies (review). <i>Oncology Reports</i> , 2012 , 27, 1303-11	3.5	65
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