

William R. Walsh

List of Publications by Year in descending order

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Version: 2024-02-01

343
papers

10,846
citations

30070

54
h-index

58581

82
g-index

352
all docs

352
docs citations

352
times ranked

9724
citing authors

#	ARTICLE	IF	CITATIONS
1	Historical Note: The Evolution of Cortical Bone Trajectory and Associated Techniques. <i>Spine Surgery and Related Research</i> , 2022, 6, 1-9.	0.7	6
2	Subsidence and fusion performance of a 3D-printed porous interbody cage with stress-optimized body lattice and microporous endplates - a comprehensive mechanical and biological analysis. <i>Spine Journal</i> , 2022, 22, 1028-1037.	1.3	18
3	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.	1.7	1
4	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.	0.8	0
5	Physico-Chemical Characteristics and Posterolateral Fusion Performance of Biphasic Calcium Phosphate with Submicron Needle-Shaped Surface Topography Combined with a Novel Polymer Binder. <i>Materials</i> , 2022, 15, 1346.	2.9	4
6	SMART™ implantable devices for spinal implants: a systematic review on current and future trends. <i>Journal of Spine Surgery</i> , 2022, 8, 117-131.	1.2	5
7	Choice of Spinal Interbody Fusion Cage Material and Design Influences Subsidence and Osseointegration Performance. <i>World Neurosurgery</i> , 2022, 162, e626-e634.	1.3	10
8	CORR Insights®: The High-cycle Fatigue Life of Cortical Bone Allografts Is Radiation Sterilization Dose-dependent: An In Vitro Study. <i>Clinical Orthopaedics and Related Research</i> , 2022, Publish Ahead of Print, .	1.5	0
9	Bioinspired Polydopamine Coatings Facilitate Attachment of Antimicrobial Peptidomimetics with Broad-Spectrum Antibacterial Activity. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2952.	4.1	7
10	Corrosion Resistance of 3D Printed Ti6Al4V Gyroid Lattices with Varying Porosity. <i>Materials</i> , 2022, 15, 4805.	2.9	7
11	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.	4.2	2
12	Moment arm function dictates patella sagittal height anatomy: Rabbit epiphysiodesis model alters limb length ratios and subsequent patellofemoral anatomical development. <i>Journal of Orthopaedic Research</i> , 2021, 39, 637-647.	2.3	2
13	Load Sharing and Endplate Pressure Distribution in Anterior Interbody Fusion Influenced by Graft Choice. <i>World Neurosurgery</i> , 2021, 146, e336-e340.	1.3	5
14	Fatigue implications for bending orthopaedic plates. <i>Injury</i> , 2021, 52, 2896-2902.	1.7	6
15	Induction of muscle-regenerative multipotent stem cells from human adipocytes by PDGF-AB and 5-azacytidine. <i>Science Advances</i> , 2021, 7, .	10.3	3
16	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.	1.3	0
17	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.	3.1	24
18	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.	0.8	2

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19	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.	1.3	4
20	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.	0.6	3
21	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.	3.1	7
22	Temporal response of an injectable calcium phosphate material in a critical size defect. <i>Journal of Orthopaedic Surgery and Research</i> , 2021, 16, 496.	2.3	3
23	Influence of Screw-Hole Defect Size on the Biomechanical Properties of Feline Femora in an Ex Vivo Model. <i>Veterinary and Comparative Orthopaedics and Traumatology</i> , 2021, , .	0.5	0
24	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.	3.1	3
25	Kinematics of the Feline Antebrachiocarpal Joint from Supination to Pronation. <i>Veterinary and Comparative Orthopaedics and Traumatology</i> , 2021, 34, 115-123.	0.5	1
26	High-strength, porous additively manufactured implants with optimized mechanical osseointegration. <i>Biomaterials</i> , 2021, 279, 121206.	11.4	71
27	Single level posterolateral lumbar fusion in a New Zealand White rabbit (<i>Oryctolagus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock perioperative care. <i>JOR Spine</i> , 2021, 4, e1135.	3.2	7
28	Effect of head size and rotation on taper corrosion in a hip simulator. <i>Bone & Joint Open</i> , 2021, 2, 1004-1016.	2.6	7
29	Integral fixation titanium/polyetheretherketone cages for cervical arthrodesis: Two-year clinical outcomes and fusion rates using ¹²⁵ I-tricalcium phosphate or supercritical carbon dioxide treated allograft. <i>Journal of Craniovertebral Junction and Spine</i> , 2021, 12, 368.	0.8	0
30	The Reliability of the Microsoft Kinect and Ambulatory Sensor-Based Motion Tracking Devices to Measure Shoulder Range-of-Motion: A Systematic Review and Meta-Analysis. <i>Sensors</i> , 2021, 21, 8186.	3.8	12
31	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.	4.2	4
32	C3-C5 Chordoma Resection and Reconstruction with a Three-Dimensional Printed Titanium Patient-Specific Implant. <i>World Neurosurgery</i> , 2020, 136, 226-233.	1.3	14
33	Three-Dimensional Morphometric Analysis of Lumbar Vertebral End Plate Anatomy. <i>World Neurosurgery</i> , 2020, 135, e321-e332.	1.3	6
34	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.	2.2	61
35	A New Era of Antibiotics: The Clinical Potential of Antimicrobial Peptides. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7047.	4.1	235
36	Undercut macrostructure topography on and within an interbody cage improves biomechanical stability and interbody fusion. <i>Spine Journal</i> , 2020, 20, 1876-1886.	1.3	5

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37	Innovation and New Technologies in Spine Surgery, Circa 2020: A Fifty-Year Review. <i>Frontiers in Surgery</i> , 2020, 7, 575318.	1.4	3
38	Stand up! Are normal weight-bearing forces sufficient for a 12/14 Morse taper locking in total hip arthroplasty?. <i>HIP International</i> , 2020, , 112070002096700.	1.7	0
39	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.	3.6	6
40	MagnetOs, Vitoss, and Novabone in a Multi-endpoint Study of Posterolateral Fusion. <i>Clinical Spine Surgery</i> , 2020, 33, E276-E287.	1.3	9
41	The Reliability and Validity of Wearable Inertial Sensors Coupled with the Microsoft Kinect to Measure Shoulder Range-of-Motion. <i>Sensors</i> , 2020, 20, 7238.	3.8	19
42	Bone ongrowth and mechanical fixation of implants in cortical and cancellous bone. <i>Journal of Orthopaedic Surgery and Research</i> , 2020, 15, 177.	2.3	23
43	Distalising tibial tubercle osteotomy decreases patellar tendon force â€” A treatment rationale for recalcitrant patellar tendinopathy. <i>Knee</i> , 2020, 27, 871-877.	1.6	5
44	Effects of SCCO2, Gamma Irradiation, and Sodium Dodecyl Sulfate Treatments on the Initial Properties of Tendon Allografts. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1565.	4.1	13
45	In-vivo 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.	1.4	19
46	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.	0.5	4
47	Corrosion of 3D-Printed Orthopaedic Implant Materials. <i>Annals of Biomedical Engineering</i> , 2019, 47, 162-173.	2.5	19
48	Does implantation site influence bone ingrowth into 3D-printed porous implants?. <i>Spine Journal</i> , 2019, 19, 1885-1898.	1.3	36
49	Treatment of patella tendinopathy by distalising tibial tubercle osteotomy. <i>BMJ Case Reports</i> , 2019, 12, e229209.	0.5	6
50	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.	1.6	3
51	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.	2.4	4
52	How Does Cage Lordosis Influence Postoperative Segmental Lordosis in Lumbar Interbody Fusion. <i>World Neurosurgery</i> , 2019, 126, e606-e611.	1.3	13
53	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.	0.6	7
54	Patella tendinopathy Zoobiquity â€” What can we learn from dogs?. <i>Knee</i> , 2019, 26, 115-123.	1.6	10

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55	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.	1.8	18
56	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.	3.4	11
57	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, 452-458.e1.	1.3	43
58	The use of demineralised bone fibres (DBF) in conjunction with supercritical carbon dioxide (SCCO2) treated allograft in anterior lumbar interbody fusion (ALIF). <i>Journal of Spine Surgery</i> , 2019, 5, 589-595.	1.2	2
59	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.	1.3	38
60	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.	2.3	11
61	3-dimensional printing for anterior cervical surgery: a review. <i>Journal of Spine Surgery</i> , 2018, 4, 757-769.	1.2	34
62	Evaluation of Intrinsic Biomechanical Risk Factors in Patellar Tendinopathy: A Retrospective Radiographic Case-Control Series. <i>Orthopaedic Journal of Sports Medicine</i> , 2018, 6, 232596711881603.	1.7	14
63	Biphasic calcium phosphate with submicron surface topography in an <i>Ovine</i> model of instrumented posterolateral spinal fusion. <i>JOR Spine</i> , 2018, 1, e1039.	3.2	14
64	Knee kinematics in anatomic anterior cruciate ligament reconstruction with four- and five-strand hamstring tendon autografts. <i>Orthopedic Reviews</i> , 2018, 10, 7738.	1.3	2
65	A novel in vivo large animal model of lumbar spinal joint degeneration. <i>Spine Journal</i> , 2018, 18, 1896-1909.	1.3	11
66	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, 1-7.	1.9	9
67	Biomechanics of the knee extensor mechanism and its relationship to patella tendinopathy: A review. <i>Journal of Orthopaedic Research</i> , 2018, 36, 3105-3112.	2.3	31
68	Effects of supercritical fluid CO2 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.	1.1	11
69	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.	1.0	6
70	Teaching Tip: Simulated Tumors as an Aid to Teaching Principles of Surgical Oncology. <i>Journal of Veterinary Medical Education</i> , 2018, 45, 250-254.	0.6	2
71	Do combined glucosamine sulfate and chondroitin sulfate supplements affect condylar remodelling during functional appliance therapy?. <i>Australasian Orthodontic Journal</i> , 2018, 34, 27-35.	0.3	1
72	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.	2.2	38

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73	Anterior Lumbar Interbody Fusion Integrated Screw Cages: Intrinsic Load Generation, Subsidence, and Torsional Stability. <i>Orthopaedic Surgery</i> , 2017, 9, 191-197.	1.8	8
74	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.	1.0	1
75	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.	1.4	16
76	A novel method of suspending sheep for clinical research. <i>Laboratory Animals</i> , 2017, 51, 652-655.	1.0	2
77	Does systemic administration of casein phosphopeptides affect orthodontic movement and root resorption in rats?. <i>European Journal of Orthodontics</i> , 2017, 39, 541-546.	2.4	4
78	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.	1.0	11
79	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, The</i> , 2017, 22, 329-336.	0.4	10
80	Influence of Scan Resolution, Thresholding, and Reconstruction Algorithm on Computed Tomography-Based Kinematic Measurements. <i>Journal of Biomechanical Engineering</i> , 2017, 139, .	1.3	13
81	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.	0.5	6
82	Critical Size Bone Defect Healing Using Collagen-Calcium Phosphate Bone Graft Materials. <i>PLoS ONE</i> , 2017, 12, e0168883.	2.5	52
83	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.	1.9	6
84	A biomechanical comparison of 4-strand and 5-strand anterior cruciate ligament graft constructs. <i>Orthopedic Reviews</i> , 2017, 9, 6989.	1.3	12
85	The contribution of the cortical shell to pedicle screw fixation. <i>Journal of Spine Surgery</i> , 2017, 3, 184-192.	1.2	12
86	Effects of cement augmentation on the mechanical stability of multilevel spine after vertebral compression fracture. <i>Journal of Spine Surgery</i> , 2016, 2, 111-121.	1.2	8
87	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.	1.8	29
88	Evaluation of Transbronchial Lung Cryobiopsy Size and Freezing Time: A Prognostic Animal Study. <i>Respiration</i> , 2016, 92, 34-39.	2.6	25
89	Biomechanical evaluation of shape-memory alloy staples for internal fixation-an in vitro study. <i>Journal of Experimental Orthopaedics</i> , 2016, 3, 19.	1.8	41
90	The histological and elemental characterisation of corrosion particles from taper junctions. <i>Bone and Joint Research</i> , 2016, 5, 370-378.	3.6	11

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91	PDGF-AB and 5-Azacytidine induce conversion of somatic cells into tissue-regenerative multipotent stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2306-15.	7.1	40
92	Does PEEK/HA Enhance Bone Formation Compared With PEEK in a Sheep Cervical Fusion Model?. Clinical Orthopaedics and Related Research, 2016, 474, 2364-2372.	1.5	66
93	Combination Ti/PEEK ALIF cage for anterior lumbar interbody fusion: Early clinical and radiological results. Journal of Clinical Neuroscience, 2016, 34, 94-99.	1.5	41
94	PEEK Versus Ti Interbody Fusion Devices. Clinical Spine Surgery, 2016, 29, E208-E214.	1.3	53
95	Potentiodynamic Corrosion Testing. Journal of Visualized Experiments, 2016, , .	0.3	5
96	The Interlocking Modification of the Cross Locked Cruciate Tendon Repair (Modified Adelaide Repair): A Static and Dynamic Biomechanical Assessment. Journal of Hand and Microsurgery, 2016, 07, 6-12.	0.3	8
97	Etching Process Related Changes and Effects on Solid-Core Single-Mode Polymer Optical Fiber Grating. IEEE Photonics Journal, 2016, 8, 1-9.	2.0	17
98	A Microscopic and Biomarker Evaluation of Embolic Filter Debris Collected During Carotid Artery Stenting. Journal of Endovascular Therapy, 2016, 23, 275-284.	1.5	10
99	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. Foot and Ankle Specialist, 2016, 9, 232-240.	1.0	48
100	Accelerometers for objective evaluation of physical activity following spine surgery. Journal of Clinical Neuroscience, 2016, 26, 14-18.	1.5	25
101	High Intrinsic Sensitivity Etched Polymer Fiber Bragg Grating Pair for Simultaneous Strain and Temperature Measurements. IEEE Sensors Journal, 2016, 16, 2453-2459.	4.7	38
102	The Quantification of Corrosion Damage for Pre-stressed Conditions: A Model Using Stainless Steel. Journal of Bio- and Tribo-Corrosion, 2016, 2, 1.	2.6	5
103	Test-Retest and Intra-rater Reliability of Using Inertial Sensors and Its Integration with Microsoft Kinect [®] to Measure Shoulder Range-of-Motion. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2016, , 177-184.	0.3	2
104	Restoring Segmental Biomechanics Through Nucleus Augmentation. Clinical Spine Surgery, 2016, 29, 461-467.	1.3	5
105	Structural Failure Mechanisms of Common Flexor Tendon Repairs. Hand Surgery, 2015, 20, 369-379.	0.6	6
106	Demineralisierte Knochenmatrix zur Augmentation der Sehnen-Knochen-Heilung. Sports Orthopaedics and Traumatology, 2015, 31, 293-298.	0.1	1
107	The Effect of Saline Coolant on Temperature Levels during Decortication with a Midas Rex: An in Vitro Model Using Sheep Cervical Vertebrae. Frontiers in Surgery, 2015, 2, 37.	1.4	3
108	The design evolution of interbody cages in anterior cervical discectomy and fusion: a systematic review. BMC Musculoskeletal Disorders, 2015, 16, 99.	1.9	109

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109	Transdermal fentanyl and its use in ovine surgery. <i>Research in Veterinary Science</i> , 2015, 100, 252-256.	1.9	28
110	Experimental Study and Analysis of Hydrostatic Pressure Sensitivity of Polymer Fibre Bragg Gratings. <i>Journal of Lightwave Technology</i> , 2015, 33, 2456-2462.	4.6	52
111	Intrinsic High-Sensitivity Sensors Based on Etched Single-Mode Polymer Optical Fibers. <i>IEEE Photonics Technology Letters</i> , 2015, 27, 604-607.	2.5	36
112	Plasma-sprayed titanium coating to polyetheretherketone improves the bone-implant interface. <i>Spine Journal</i> , 2015, 15, 1041-1049.	1.3	145
113	Meniscal allograft sterilisation: effect on biomechanical and histological properties. <i>Cell and Tissue Banking</i> , 2015, 16, 467-475.	1.1	19
114	Variations in the trunnion surface topography between different commercially available hip replacement stems. <i>Journal of Orthopaedic Research</i> , 2015, 33, 98-105.	2.3	57
115	A Nitinol κ -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, 344-352.	1.5	3
116	Looped suture properties: implications for multistranded flexor tendon repair. <i>Journal of Hand Surgery: European Volume</i> , 2015, 40, 234-238.	1.0	9
117	Osseointegration of Multiphase Anodic Spark Deposition Treated Porous Titanium Implants in an Ovine Model. <i>Journal of Arthroplasty</i> , 2015, 30, 484-488.	3.1	21
118	The effect of supercritical carbon dioxide sterilization on the anisotropy of bovine cortical bone. <i>Cell and Tissue Banking</i> , 2015, 16, 109-121.	1.1	24
119	Development of a Novel Model for the Assessment of Dead-Space Management in Soft Tissue. <i>PLoS ONE</i> , 2015, 10, e0136514.	2.5	24
120	The Masquelet Technique for Membrane Induction and the Healing of Ovine Critical Sized Segmental Defects. <i>PLoS ONE</i> , 2014, 9, e114122.	2.5	74
121	A Sheep Model for Cancellous Bone Healing. <i>Frontiers in Surgery</i> , 2014, 1, 37.	1.4	27
122	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, 172-176.	0.7	21
123	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, 230-239.	1.5	1
124	Human polyethylene granuloma tissues inhibit bone healing in a novel xenograft animal model. <i>Journal of Orthopaedic Research</i> , 2014, 32, 735-743.	2.3	0
125	Spine Interbody Implants: Material Selection and Modification, Functionalization and Bioactivation of Surfaces to Improve Osseointegration. <i>Orthopaedic Surgery</i> , 2014, 6, 81-89.	1.8	203
126	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, 30-39.	1.0	27

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127	Corrigendum to "Influence of plate-bone contact on cyclically loaded conically coupled locking plate failure" [Injury 45(3) (2014) 515-521]. Injury, 2014, 45, 1023.	1.7	0
128	11ÂkGy gamma irradiated demineralized bone matrix enhances osteoclast activity. European Journal of Orthopaedic Surgery and Traumatology, 2014, 24, 655-661.	1.4	6
129	Biomechanical evaluation of a biomimetic spinal construct. Journal of Experimental Orthopaedics, 2014, 1, 3.	1.8	14
130	Platelet-Rich Plasma and Bone Defect Healing. Tissue Engineering - Part A, 2014, 20, 2614-2633.	3.1	35
131	Lumbar spinal fusion with β -TCP granules and variable Escherichia coli-derived rhBMP-2 dose. Spine Journal, 2014, 14, 1758-1768.	1.3	20
132	Influence of plate-bone contact on cyclically loaded conically coupled locking plate failure. Injury, 2014, 45, 515-521.	1.7	9
133	Tibial tuberosity transposition-advancement for lateralization of the tibial tuberosity: An ex vivo canine study. Veterinary and Comparative Orthopaedics and Traumatology, 2014, 27, 271-276.	0.5	10
134	Ovine model for critical-size tibial segmental defects. Comparative Medicine, 2014, 64, 377-85.	1.0	21
135	Can platelet-rich plasma (PRP) improve bone healing? A comparison between the theory and experimental outcomes. Archives of Orthopaedic and Trauma Surgery, 2013, 133, 153-165.	2.4	103
136	The effect of sterilization on the mechanical properties of intact rabbit humeri in three-point bending, four-point bending and torsion. Cell and Tissue Banking, 2013, 14, 231-242.	1.1	27
137	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. Journal of Biomechanics, 2013, 46, 200-205.	2.1	42
138	The effects of Low-intensity Pulsed Ultrasound on tendon-bone healing in a transosseous-equivalent sheep rotator cuff model. Knee Surgery, Sports Traumatology, Arthroscopy, 2013, 21, 466-475.	4.2	34
139	Whip stitch versus grasping suture for tendon autograft. European Journal of Orthopaedic Surgery and Traumatology, 2013, 23, 105-109.	1.4	7
140	In vivo implant fixation of carbon fiber-reinforced PEEK hip prostheses in an ovine model. Journal of Orthopaedic Research, 2013, 31, 485-492.	2.3	46
141	The effect of sterilization methods on the osteoconductivity of allograft bone in a critical-sized bilateral tibial defect model in rabbits. Biomaterials, 2013, 34, 8185-8194.	11.4	27
142	The Knotless Tendon Repair With a Resorbable Unidirectional Barbed Suture Device: An In Vivo Comparison in the Turkey Foot. Journal of Hand Surgery, 2013, 38, e33-e34.	1.6	5
143	The effect of sterilization on the dynamic mechanical properties of paired rabbit cortical bone. Journal of Biomechanics, 2013, 46, 1670-1675.	2.1	23
144	Poor histological healing of a femoral fracture following 12Âmonths of oestrogen deficiency in rats. Osteoporosis International, 2013, 24, 2581-2589.	3.1	29

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145	Relationship between patellar tendon shortening and in vitro kinematics in the ovine stifle joint. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2013, 227, 438-447.	1.8	7
146	Biomechanical assessment of a novel tendon junction. Journal of Hand Surgery: European Volume, 2013, 38, 795-800.	1.0	10
147	Viscosity of Bone Cement Influences Effectiveness of Vacuum Mixing. International Journal of Polymeric Materials and Polymeric Biomaterials, 2013, 62, 95-100.	3.4	1
148	Cement-Implant Interface Contamination: Possible Reason of Inferior Clinical Outcomes for Rough Surface Cemented Stems. The Open Orthopaedics Journal, 2013, 7, 250-257.	0.2	6
149	Platelet Function and Constituents of Platelet Rich Plasma. International Journal of Sports Medicine, 2012, 34, 74-80.	1.7	26
150	Relationship of Surgical Accuracy and Clinical Outcomes in CharitÃ“ Lumbar Disc Replacement. Orthopaedic Surgery, 2012, 4, 145-155.	1.8	9
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