

# William R. Walsh

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4800615/publications.pdf>

Version: 2024-02-01

343  
papers

10,846  
citations

29994

54  
h-index

58464

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.	0.4	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.	0.6	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.	0.8	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.	0.4	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.	1.3	4
6	â€˜SMARTâ€™™ implantable devices for spinal implants: a systematic review on current and future trends. <i>Journal of Spine Surgery</i> , 2022, 8, 117-131.	0.6	5
7	Choice of Spinal Interbody Fusion Cage Material and Design Influences Subsidence and Osseointegration Performance. <i>World Neurosurgery</i> , 2022, 162, e626-e634.	0.7	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, .	0.7	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.	1.8	7
10	Corrosion Resistance of 3D Printed Ti6Al4V Gyroid Lattices with Varying Porosity. <i>Materials</i> , 2022, 15, 4805.	1.3	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.	2.3	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.	1.2	2
13	Load Sharing and Endplate Pressure Distribution in Anterior Interbody Fusion Influenced by Graft Choice. <i>World Neurosurgery</i> , 2021, 146, e336-e340.	0.7	5
14	Fatigue implications for bending orthopaedic plates. <i>Injury</i> , 2021, 52, 2896-2902.	0.7	6
15	Induction of muscle-regenerative multipotent stem cells from human adipocytes by PDGF-AB and 5-azacytidine. <i>Science Advances</i> , 2021, 7, .	4.7	3
16	Authors reply to â€œdoes undercut macrostructure cage cause increase of subsidence incidence and decrease of disc height?â€• <i>Spine Journal</i> , 2021, 21, 353-354.	0.6	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.	1.5	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.	0.3	2

#	ARTICLE	IF	CITATIONS
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.	0.6	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.	0.3	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.	1.5	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.	0.9	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, , .	0.2	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.	1.5	3
25	Kinematics of the Feline Antebrachiocarpal Joint from Supination to Pronation. <i>Veterinary and Comparative Orthopaedics and Traumatology</i> , 2021, 34, 115-123.	0.2	1
26	High-strength, porous additively manufactured implants with optimized mechanical osseointegration. <i>Biomaterials</i> , 2021, 279, 121206.	5.7	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.	1.5	7
28	Effect of head size and rotation on taper corrosion in a hip simulator. <i>Bone &amp; Joint Open</i> , 2021, 2, 1004-1016.	1.1	7
29	Integral fixation titanium/polyetheretherketone cages for cervical arthrodesis: Two-year clinical outcomes and fusion rates using <sup>125</sup> I-tricalcium phosphate or supercritical carbon dioxide treated allograft. <i>Journal of Craniovertebral Junction and Spine</i> , 2021, 12, 368.	0.4	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.	2.1	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.	2.3	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.	0.7	14
33	Three-Dimensional Morphometric Analysis of Lumbar Vertebral End Plate Anatomy. <i>World Neurosurgery</i> , 2020, 135, e321-e332.	0.7	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.	1.0	61
35	A New Era of Antibiotics: The Clinical Potential of Antimicrobial Peptides. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7047.	1.8	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.	0.6	5

#	ARTICLE	IF	CITATIONS
37	Innovation and New Technologies in Spine Surgery, Circa 2020: A Fifty-Year Review. <i>Frontiers in Surgery</i> , 2020, 7, 575318.	0.6	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.	0.9	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.	1.7	6
40	MagnetOs, Vitoss, and Novabone in a Multi-endpoint Study of Posterolateral Fusion. <i>Clinical Spine Surgery</i> , 2020, 33, E276-E287.	0.7	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.	2.1	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.	0.9	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.	0.8	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.	1.8	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.	0.6	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.	0.2	4
47	Corrosion of 3D-Printed Orthopaedic Implant Materials. <i>Annals of Biomedical Engineering</i> , 2019, 47, 162-173.	1.3	19
48	Does implantation site influence bone ingrowth into 3D-printed porous implants?. <i>Spine Journal</i> , 2019, 19, 1885-1898.	0.6	36
49	Treatment of patella tendinopathy by distalising tibial tubercle osteotomy. <i>BMJ Case Reports</i> , 2019, 12, e229209.	0.2	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.	0.8	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.	1.2	4
52	How Does Cage Lordosis Influence Postoperative Segmental Lordosis in Lumbar Interbody Fusion. <i>World Neurosurgery</i> , 2019, 126, e606-e611.	0.7	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.	0.3	7
54	Patella tendinopathy Zoobiquity â€” What can we learn from dogs?. <i>Knee</i> , 2019, 26, 115-123.	0.8	10

#	ARTICLE	IF	CITATIONS
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.	0.7	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.	1.6	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.	0.7	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.	0.6	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.	0.6	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.	0.9	11
61	3-dimensional printing for anterior cervical surgery: a review. <i>Journal of Spine Surgery</i> , 2018, 4, 757-769.	0.6	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.	0.8	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.	1.5	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.	0.3	2
65	A novel in vivo large animal model of lumbar spinal joint degeneration. <i>Spine Journal</i> , 2018, 18, 1896-1909.	0.6	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.	0.9	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.	1.2	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.	0.5	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.	0.5	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.	0.4	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.	1.0	38

#	ARTICLE	IF	CITATIONS
73	Anterior Lumbar Interbody Fusion Integrated Screw Cages: Intrinsic Load Generation, Subsidence, and Torsional Stability. <i>Orthopaedic Surgery</i> , 2017, 9, 191-197.	0.7	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.	0.5	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.	0.7	16
76	A novel method of suspending sheep for clinical research. <i>Laboratory Animals</i> , 2017, 51, 652-655.	0.5	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.	1.1	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.	0.5	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.	0.2	10
80	Influence of Scan Resolution, Thresholding, and Reconstruction Algorithm on Computed Tomography-Based Kinematic Measurements. <i>Journal of Biomechanical Engineering</i> , 2017, 139, .	0.6	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.	0.2	6
82	Critical Size Bone Defect Healing Using Collagen-Calcium Phosphate Bone Graft Materials. <i>PLoS ONE</i> , 2017, 12, e0168883.	1.1	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.	0.7	6
84	A biomechanical comparison of 4-strand and 5-strand anterior cruciate ligament graft constructs. <i>Orthopedic Reviews</i> , 2017, 9, 6989.	0.3	12
85	The contribution of the cortical shell to pedicle screw fixation. <i>Journal of Spine Surgery</i> , 2017, 3, 184-192.	0.6	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.	0.6	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.	0.7	29
88	Evaluation of Transbronchial Lung Cryobiopsy Size and Freezing Time: A Prognostic Animal Study. <i>Respiration</i> , 2016, 92, 34-39.	1.2	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.	0.8	41
90	The histological and elemental characterisation of corrosion particles from taper junctions. <i>Bone and Joint Research</i> , 2016, 5, 370-378.	1.3	11

#	ARTICLE	IF	CITATIONS
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.	3.3	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.	0.7	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.	0.8	41
94	PEEK Versus Ti Interbody Fusion Devices. Clinical Spine Surgery, 2016, 29, E208-E214.	0.7	53
95	Potentiodynamic Corrosion Testing. Journal of Visualized Experiments, 2016, , .	0.2	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.	0.1	8
97	Etching Process Related Changes and Effects on Solid-Core Single-Mode Polymer Optical Fiber Grating. IEEE Photonics Journal, 2016, 8, 1-9.	1.0	17
98	A Microscopic and Biomarker Evaluation of Embolic Filter Debris Collected During Carotid Artery Stenting. Journal of Endovascular Therapy, 2016, 23, 275-284.	0.8	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.	0.5	48
100	Accelerometers for objective evaluation of physical activity following spine surgery. Journal of Clinical Neuroscience, 2016, 26, 14-18.	0.8	25
101	High Intrinsic Sensitivity Etched Polymer Fiber Bragg Grating Pair for Simultaneous Strain and Temperature Measurements. IEEE Sensors Journal, 2016, 16, 2453-2459.	2.4	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.	1.2	5
103	Test-Retest and Intra-rater Reliability of Using Inertial Sensors and Its Integration with Microsoft Kinect <sup>®</sup> to Measure Shoulder Range-of-Motion. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2016, , 177-184.	0.2	2
104	Restoring Segmental Biomechanics Through Nucleus Augmentation. Clinical Spine Surgery, 2016, 29, 461-467.	0.7	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.	0.6	3
108	The design evolution of interbody cages in anterior cervical discectomy and fusion: a systematic review. BMC Musculoskeletal Disorders, 2015, 16, 99.	0.8	109

#	ARTICLE	IF	CITATIONS
109	Transdermal fentanyl and its use in ovine surgery. <i>Research in Veterinary Science</i> , 2015, 100, 252-256.	0.9	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.	2.7	52
111	Intrinsic High-Sensitivity Sensors Based on Etched Single-Mode Polymer Optical Fibers. <i>IEEE Photonics Technology Letters</i> , 2015, 27, 604-607.	1.3	36
112	Plasma-sprayed titanium coating to polyetheretherketone improves the bone-implant interface. <i>Spine Journal</i> , 2015, 15, 1041-1049.	0.6	145
113	Meniscal allograft sterilisation: effect on biomechanical and histological properties. <i>Cell and Tissue Banking</i> , 2015, 16, 467-475.	0.5	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.	1.2	57
115	A Nitinol $\kappa$ -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.	0.8	3
116	Looped suture properties: implications for multistranded flexor tendon repair. <i>Journal of Hand Surgery: European Volume</i> , 2015, 40, 234-238.	0.5	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.	1.5	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.	0.5	24
119	Development of a Novel Model for the Assessment of Dead-Space Management in Soft Tissue. <i>PLoS ONE</i> , 2015, 10, e0136514.	1.1	24
120	The Masquelet Technique for Membrane Induction and the Healing of Ovine Critical Sized Segmental Defects. <i>PLoS ONE</i> , 2014, 9, e114122.	1.1	74
121	A Sheep Model for Cancellous Bone Healing. <i>Frontiers in Surgery</i> , 2014, 1, 37.	0.6	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.	0.3	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.	0.8	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.	1.2	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.	0.7	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.	0.5	27



#	ARTICLE	IF	CITATIONS
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.	0.7	0
128	11ÂkGy gamma irradiated demineralized bone matrix enhances osteoclast activity. European Journal of Orthopaedic Surgery and Traumatology, 2014, 24, 655-661.	0.6	6
129	Biomechanical evaluation of a biomimetic spinal construct. Journal of Experimental Orthopaedics, 2014, 1, 3.	0.8	14
130	Platelet-Rich Plasma and Bone Defect Healing. Tissue Engineering - Part A, 2014, 20, 2614-2633.	1.6	35
131	Lumbar spinal fusion with $\beta$ -TCP granules and variable Escherichia coli-derived rhBMP-2 dose. Spine Journal, 2014, 14, 1758-1768.	0.6	20
132	Influence of plate-bone contact on cyclically loaded conically coupled locking plate failure. Injury, 2014, 45, 515-521.	0.7	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.	0.2	10
134	Ovine model for critical-size tibial segmental defects. Comparative Medicine, 2014, 64, 377-85.	0.4	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.	1.3	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.	0.5	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.	0.9	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.	2.3	34
139	Whip stitch versus grasping suture for tendon autograft. European Journal of Orthopaedic Surgery and Traumatology, 2013, 23, 105-109.	0.6	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.	1.2	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.	5.7	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.	0.7	5
143	The effect of sterilization on the dynamic mechanical properties of paired rabbit cortical bone. Journal of Biomechanics, 2013, 46, 1670-1675.	0.9	23
144	Poor histological healing of a femoral fracture following 12Âmonths of oestrogen deficiency in rats. Osteoporosis International, 2013, 24, 2581-2589.	1.3	29

#	ARTICLE	IF	CITATIONS
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.	1.0	7
146	Biomechanical assessment of a novel tendon junction. Journal of Hand Surgery: European Volume, 2013, 38, 795-800.	0.5	10
147	Viscosity of Bone Cement Influences Effectiveness of Vacuum Mixing. International Journal of Polymeric Materials and Polymeric Biomaterials, 2013, 62, 95-100.	1.8	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.	0.1	6
149	Platelet Function and Constituents of Platelet Rich Plasma. International Journal of Sports Medicine, 2012, 34, 74-80.	0.8	26
150	Relationship of Surgical Accuracy and Clinical Outcomes in CharitÃ Lumbar Disc Replacement. Orthopaedic Surgery, 2012, 4, 145-155.	0.7	9
151	<b>Adjunctive Ultrasonography to Minimize Iodinated Contrast Administration During Carotid Artery Stenting:</b>A Randomized Trial. Journal of Endovascular Therapy, 2012, 19, 638-647.	0.8	11
152	Wear in alumina-on-alumina ceramic total hip replacements. Journal of Bone and Joint Surgery: British Volume, 2012, 94-B, 901-907.	3.4	59
153	Molecular targeted therapies for cancer: Sorafenib monoÃ therapy and its combination with other therapies (Review). Oncology Reports, 2012, 27, 1303-11.	1.2	77
154	Influence of Electron Beam Melting Manufactured Implants on Ingrowth and Shear Strength in an Ovine Model. Journal of Arthroplasty, 2012, 27, 1429-1436.	1.5	46
155	Effects of Demineralized Bone Matrix on Tendon-Bone Healing in an Intra-articular Rodent Model. American Journal of Sports Medicine, 2012, 40, 2365-2374.	1.9	34
156	The effect of gamma irradiation on the anisotropy of bovine cortical bone. Medical Engineering and Physics, 2012, 34, 1117-1122.	0.8	16
157	Porosity in Polyaryletheretherketone. , 2012, , 181-199.		10
158	Simulation of patella alta and the implications for in vitro patellar tracking in the ovine stifle joint. Journal of Orthopaedic Research, 2012, 30, 1789-1797.	1.2	3
159	Novel Surface Modifications of Carbon FiberâReinforced Polyetheretherketone Hip Stem in an Ovine Model. Artificial Organs, 2012, 36, 62-70.	1.0	26
160	An Arteriovenous Fistula Model of Intimal Hyperplasia for Evaluation of a Nitinol U-Clip Anastomosis. European Journal of Vascular and Endovascular Surgery, 2012, 43, 224-231.	0.8	10
161	Application of Resorbable Poly(Lactide-co-Glycolide) with Entangled Hyaluronic Acid as an Autograft Extender for Posterolateral Intertransverse Lumbar Fusion in Rabbits. Tissue Engineering - Part A, 2011, 17, 213-220.	1.6	15
162	IGF1R-Targeted Therapy and Its Enhancement of Doxorubicin Chemosensitivity in Human Osteosarcoma Cell Lines. Cancer Investigation, 2011, 29, 521-532.	0.6	29

#	ARTICLE	IF	CITATIONS
163	'Smart' biomaterials and osteoinductivity. <i>Nature Reviews Rheumatology</i> , 2011, 7, 1-1.	3.5	9
164	The Effect on Loop Elongation and Stress Relaxation During Longitudinal Loading of FiberWire in Shoulder Arthroscopic Knots. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2011, 27, 750-754.	1.3	11
165	Influence of Locking Stitch Size in a Four-Strand Cross-Locked Cruciate Flexor Tendon Repair. <i>Journal of Hand Surgery</i> , 2011, 36, 450-455.	0.7	44
166	Biomechanical Evaluation of Flexor Tendon Repair Using Barbed Suture Material: A Comparative ex vivo Study. <i>Journal of Hand Surgery</i> , 2011, 36, 1565-1566.	0.7	6
167	Intraoperative patellar kinematics following resection of the central one-third of the patellar tendon in the ovine stifle joint. <i>Veterinary and Comparative Orthopaedics and Traumatology</i> , 2011, 24, 197-204.	0.2	5
168	In Vivo Response of Bone Defects Filled with Pmma in an Ovine Model. <i>HIP International</i> , 2011, 21, 616-622.	0.9	8
169	Knee arthroplasty: a cross-sectional study assessing energy expenditure and activity. <i>ANZ Journal of Surgery</i> , 2011, 81, 371-374.	0.3	14
170	Effect of Surgical Fit on Integration of Cancellous Bone and Implant Cortical Bone Shear Strength for a Porous Titanium. <i>Journal of Arthroplasty</i> , 2011, 26, 1000-1007.	1.5	29
171	Factors Affecting Flexural Strength in Cement Within Cement Revisions. <i>Journal of Arthroplasty</i> , 2011, 26, 1540-1548.	1.5	8
172	Biomechanical evaluation of four different transosseous-equivalent/suture bridge rotator cuff repairs. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2011, 19, 1582-1587.	2.3	43
173	Osseointegration of porous titanium implants with and without electrochemically deposited DCPD coating in an ovine model. <i>Journal of Orthopaedic Surgery and Research</i> , 2011, 6, 56.	0.9	34
174	Relationship between age, skeletal site, and time post-ovariectomy on bone mineral and trabecular microarchitecture in rats. <i>Journal of Orthopaedic Research</i> , 2011, 29, 189-196.	1.2	66
175	Effects of patellar position and defect healing on in vitro stifle joint kinematics following removal of the central one-third of the patellar tendon in an ovine model. <i>Journal of Orthopaedic Research</i> , 2011, 29, 572-581.	1.2	4
176	Influence of different polymeric gels on the ectopic bone forming ability of an osteoinductive biphasic calcium phosphate ceramic. <i>Acta Biomaterialia</i> , 2011, 7, 2007-2014.	4.1	50
177	Endovascular Reconstruction of the Occluded Aortoiliac Segment Using "Double-Barrel" Self-Expanding Stents and Selective Use of the Outback LTD Catheter. <i>Journal of Endovascular Therapy</i> , 2011, 18, 25-31.	0.8	19
178	microRNA-34 family and treatment of cancers with mutant or wild-type p53 (Review). <i>International Journal of Oncology</i> , 2011, 38, 1189-95.	1.4	45
179	Heart motion visualized from chest vibration based on multi-channel signal processing. , 2011, , .		0
180	Five-Year Comparison of Oxidized Zirconium and Cobalt-Chromium Femoral Components in Total Knee Arthroplasty. <i>Journal of Bone and Joint Surgery - Series A</i> , 2011, 93, 624-630.	1.4	59

#	ARTICLE	IF	CITATIONS
181	Effects of Gaps Induced Into the ACL Tendon Graft on Tendon-Bone Healing in a Rodent ACL Reconstruction Model. <i>Muscles, Ligaments and Tendons Journal</i> , 2011, 1, 91-9.	0.1	9
182	Pore distribution and material properties of bone cement cured at different temperatures. <i>Acta Biomaterialia</i> , 2010, 6, 886-891.	4.1	22
183	Infection or Allergy in the Painful Metal-on-Metal Total Hip Arthroplasty?. <i>Journal of Arthroplasty</i> , 2010, 25, 334.e11-334.e16.	1.5	33
184	Wound infusion with local anaesthesia after laparotomy: a randomized controlled trial. <i>ANZ Journal of Surgery</i> , 2010, 80, 794-801.	0.3	29
185	Lunate trabecular structure: a cadaveric radiograph study of risk factors for Kienbock's disease. <i>Journal of Hand Surgery: European Volume</i> , 2010, 35, 120-124.	0.5	13
186	Osteoinductive ceramics as a synthetic alternative to autologous bone grafting. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13614-13619.	3.3	618
187	The change in three-dimensional geometry of the Kessler flexor tendon repair under tension: a qualitative assessment using radiographs. <i>Journal of Hand Surgery: European Volume</i> , 2010, 35, 676-677.	0.5	18
188	The histology of facial aesthetic subunits: Implications for common nasal reconstructive procedures. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2010, 63, 753-756.	0.5	17
189	A Biomechanical Assessment of Repair Versus Nonrepair of Sheep Flexor Tendons Lacerated to 75 Percent. <i>Journal of Hand Surgery</i> , 2010, 35, 546-551.	0.7	12
190	Cross-Sectional Area and Strength Differences of Fiberwire, Prolene, and Ticron Sutures. <i>Journal of Hand Surgery</i> , 2010, 35, 780-784.	0.7	26
191	A comparison of the thermal properties of 2- and 3-fluted drills and the effects on bone cell viability and screw pull-out strength in an ovine model. <i>Clinical Biomechanics</i> , 2010, 25, 613-617.	0.5	62
192	Paracetamol induced skin blood flow and blood pressure changes in febrile intensive care patients: An observational study. <i>Australian Critical Care</i> , 2010, 23, 208-214.	0.6	40
193	The relationship between gap formation and grip-to-grip displacement during cyclic testing of repaired flexor tendons. <i>Journal of Biomechanics</i> , 2010, 43, 2835-2838.	0.9	12
194	Cement penetration after patella venting. <i>Knee</i> , 2009, 16, 50-53.	0.8	5
195	The Compressive Properties of Bone Cements Containing Large Doses of Antibiotics. <i>Journal of Arthroplasty</i> , 2009, 24, 454-460.	1.5	50
196	Primary Total Hip Arthroplasty in Severe Developmental Dysplasia of the Hip. Ten-Year Results Using a Cementless Modular Stem. <i>Journal of Arthroplasty</i> , 2009, 24, 27-32.	1.5	100
197	Posterolateral spinal fusion in a rabbit model using a collagen-mineral composite bone graft substitute. <i>European Spine Journal</i> , 2009, 18, 1610-1620.	1.0	35
198	Tibiofemoral contact areas and pressures in six high flexion knees. <i>International Orthopaedics</i> , 2009, 33, 403-406.	0.9	26

#	ARTICLE	IF	CITATIONS
199	A novel model of boneâ€metastatic prostate cancer in immunocompetent Mice. Prostate, 2009, 69, 1613-1623.	1.2	45
200	Contrast enhancement in visualisation of woven composite tow architecture using a MicroCT Scanner. Part 1: Fabric coating and resin additives. Composites Part A: Applied Science and Manufacturing, 2009, 40, 553-565.	3.8	43
201	Contrast enhancement in visualisation of woven composite architecture using a MicroCT Scanner. Part 2: Tow and preform coatings. Composites Part A: Applied Science and Manufacturing, 2009, 40, 1870-1879.	3.8	39
202	Anatomic and Biomechanical Study of the Biceps Vinculum, a Structure Within the Biceps Sheath. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2009, 25, 515-521.	1.3	20
203	A NEW SYSTEM FOR ESTIMATING SCLEROSIS OF IN VIVO COMMON CAROTID ARTERY BY ULTRASOUND B-MODE IMAGE ANALYSIS. , 2009, , .		0
204	Mechanical Properties of Arteries with Aging and its Noninvasive Estimation Method. IFMBE Proceedings, 2009, , 1935-1938.	0.2	0
205	How do porosity-inducing techniques affect antibiotic elution from bone cement? An in vitro comparison between hydrogen peroxide and a mechanical mixer. Journal of Orthopaedics and Traumatology, 2008, 9, 17-22.	1.0	17
206	Effect of low intensity pulsed ultrasound on healing of an ulna defect filled with a bone graft substitute. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2008, 86B, 74-81.	1.6	23
207	Î²-TCP bone graft substitutes in a bilateral rabbit tibial defect model. Biomaterials, 2008, 29, 266-271.	5.7	176
208	3-Fluted orthopaedic drills exhibit superior bending stiffness to their 2-fluted rivals: Clinical implications for targeting ability and the incidence of drill-bit failure. Injury, 2008, 39, 734-741.	0.7	24
209	The accuracy of bone resections made during computer navigated total knee replacement. Do we resect what the computer plans we resect?. Knee, 2008, 15, 238-241.	0.8	36
210	Performance of bone cements: Are current preclinical specifications adequate?. Monthly Notices of the Royal Astronomical Society: Letters, 2008, 79, 826-831.	1.2	17
211	A new technique for distal fixation of flexor digitorum profundus tendon. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2008, 61, 475-477.	0.5	3
212	Photoelastic comparison of strains in the underlying glenoid with metal-backed and all-polyethylene implants. Journal of Shoulder and Elbow Surgery, 2008, 17, 779-783.	1.2	19
213	Acromioclavicular reconstructions with hamstring tendon grafts: A comparative biomechanical study. Journal of Shoulder and Elbow Surgery, 2008, 17, 772-778.	1.2	18
214	Stress Relaxation and Creep: Viscoelastic Properties of Common Suture Materials Used for Flexor Tendon Repair. Journal of Hand Surgery, 2008, 33, 241-246.	0.7	41
215	In Vitro Comparison of Lagged and Nonlagged Screw Fixation of Metacarpal Fractures in Cadavers. Journal of Hand Surgery, 2008, 33, 1732-1736.	0.7	16
216	The anatomically difficult primary total hip replacement. Journal of Bone and Joint Surgery: British Volume, 2008, 90-B, 430-435.	3.4	35

#	ARTICLE	IF	CITATIONS
217	Influence of surgical preparation on the <i>in-vivo</i> response of osteochondral defects. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2007, 221, 489-498.	1.0	6
218	Biomechanical Influence of the Vincula Tendinum on Digital Motion After Isolated Flexor Tendon Injury: A Cadaveric Study. Journal of Hand Surgery, 2007, 32, 1190-1194.	0.7	12
219	Bone Morphogenetic Proteins and Smad Expression in Ovine Tendon-Bone Healing. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2007, 23, 205-210.	1.3	52
220	Effects of Low-Intensity Pulsed Ultrasound on Tendonâ€“Bone Healing in an Intra-articular Sheep Knee Model. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2007, 23, 197-204.	1.3	66
221	Comparison of Poly-L-Lactide and Polylactide Carbonate Interference Screws in an Ovine Anterior Cruciate Ligament Reconstruction Model. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2007, 23, 757-765.e2.	1.3	27
222	BMP-7 and CBFA1 in allograft bone in vivo bone formation and the influence of $\beta$ -irradiation. Journal of Biomedical Materials Research - Part A, 2007, 80A, 435-443.	2.1	16
223	Mechanical Properties of Reconstructed Achilles Tendon with Transfer of Peroneus Brevis or Flexor Hallucis Longus Tendon. Journal of Foot and Ankle Surgery, 2007, 46, 424-428.	0.5	53
224	The Influence of Ambient Theater Temperature on Cement Setting Time. Journal of Arthroplasty, 2006, 21, 381-384.	1.5	14
225	Effect of suture material on gap formation and failure in type 1 FDP avulsion repairs in a cadaver model. Clinical Biomechanics, 2006, 21, 481-484.	0.5	18
226	The epidemiology of hospitalised wrist fractures in older people, New South Wales, Australia. Bone, 2006, 39, 1144-1148.	1.4	29
227	Flexor tendon pulley Vâ€“Y Plasty: an Alternative to Pulley Venting or Resection. Journal of Hand Surgery, 2006, 31, 133-137.	0.9	20
228	The Effect of Mitek Anchor Insertion Angle to Attachment of FDP Avulsion Injuries. Journal of Hand Surgery, 2006, 31, 292-295.	0.9	35
229	In Vitro Study of Shear Force on Interbody Implants. Journal of Spinal Disorders and Techniques, 2006, 19, 32-36.	1.8	2
230	Evaluation of a bioresorbable polylactide sheet for the reduction of pelvic soft tissue attachments in a porcine animal model. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2006, 79B, 166-175.	1.6	10
231	The Effect of Rate of Distraction Osteogenesis on Structure and Function of Anterior Digastric Muscle Fibers. Plastic and Reconstructive Surgery, 2005, 115, 831-837.	0.7	11
232	Computational bone remodelling simulations and comparisons with DEXA results. Journal of Orthopaedic Research, 2005, 23, 705-712.	1.2	104
233	Mechanical properties of gamma irradiated morselized bone during compaction. Biomaterials, 2005, 26, 6009-6013.	5.7	16
234	Effects of Recombinant Equine Growth Hormone on In Vitro Biomechanical Properties of the Superficial Digital Flexor Tendon of Standardbred Yearlings in Training. Veterinary Surgery, 2005, 34, 253-259.	0.5	10

#	ARTICLE	IF	CITATIONS
235	No effect of a type I collagen gel coating in uncemented implant fixation. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2005, 74B, 423-428.	1.6	24
236	Boundary conditions at the tendon?bone interface. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2005, 13, 55-59.	2.3	4
237	Suture Strength and Angle of Load Application in a Suture Anchor Eyelet. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2005, 21, 1447-1451.	1.3	38
238	Radiofrequency Energy Effects on the Mechanical Properties of Tendon and Capsule. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2005, 21, 1479-1485.	1.3	9
239	Cyclic Testing of Pullout Sutures and Micro-Mitek Suture Anchors in Flexor Digitorum Profundus Tendon Distal Fixation. <i>Journal of Hand Surgery</i> , 2005, 30, 471-478.	0.7	57
240	Comparison of zone II flexor tendon repairs using an in vitro linear cyclic testing protocol. <i>Clinical Biomechanics</i> , 2005, 20, 718-722.	0.5	28
241	Mechanisms for Pumping Fluid Through Cementless Acetabular Components With Holes. <i>Journal of Arthroplasty</i> , 2005, 20, 1042-1048.	1.5	21
242	Growth factor expression following clinical mandibular distraction osteogenesis in humans and its comparison with existing animal studies. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2005, 33, 361-369.	0.7	23
243	Patellar Tendon-to-Bone Healing Using High-Density Collagen Bone Anchor at 4 Years in a Sheep Model. <i>American Journal of Sports Medicine</i> , 2004, 32, 91-95.	1.9	17
244	Analysis of Retrieved Hydroxyapatite-Coated Hip Prostheses. <i>Journal of Thermal Spray Technology</i> , 2004, 13, 190-199.	1.6	43
245	Spinal fusion using an autologous growth factor gel and a porous resorbable ceramic. <i>European Spine Journal</i> , 2004, 13, 359-66.	1.0	26
246	The effect of two nonresorbable suture types on the mechanical performance over a metal suture anchor eyelet. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2004, 12, 165-168.	2.3	10
247	Cemented fixation with PMMA or Bis-GMA resin hydroxyapatite cement: effect of implant surface roughness. <i>Biomaterials</i> , 2004, 25, 4929-4934.	5.7	36
248	In vivo evaluation of resorbable bone graft substitutes in a rabbit tibial defect model. <i>Biomaterials</i> , 2004, 25, 5037-5044.	5.7	127
249	Reoperated clavicular nonunion treated with osteogenic protein 1 and electrical stimulation. <i>Journal of Shoulder and Elbow Surgery</i> , 2004, 13, 573-575.	1.2	15
250	Should acute anterior dislocations of the shoulder be immobilized in external rotation? A cadaveric study. <i>Journal of Shoulder and Elbow Surgery</i> , 2004, 13, 589-592.	1.2	94
251	Evaluation of a bioabsorbable polylactide film in a large animal model for the reduction of retrosternal adhesions. <i>Journal of Surgical Research</i> , 2004, 118, 144-153.	0.8	42
252	Optimizing biomechanical performance of the 4-strand cruciate flexor tendon repair. <i>Journal of Hand Surgery</i> , 2004, 29, 571-580.	0.7	40

#	ARTICLE	IF	CITATIONS
253	Plating of Metacarpal Fractures: Unicortical or Bicortical Screws?. Journal of Hand Surgery, 2004, 29, 216-219.	0.9	17
254	Regional antibiotic prophylaxis in elbow surgery. Journal of Shoulder and Elbow Surgery, 2004, 13, 57-59.	1.2	12
255	Multiaxial Pedicle Screw Designs: Static and Dynamic Mechanical Testing. Spine, 2004, 29, 367-375.	1.0	71
256	The Role of Bone Morphogenetic Proteins BMP-2 and BMP-4 and Their Related Postreceptor Signaling System (Smads) in Distraction Osteogenesis of the Mandible. Journal of Craniofacial Surgery, 2004, 15, 714-718.	0.3	67
257	IN VIVO ASSESSMENT OF GAMMA IRRADIATED BONE: OSTEOCONDUCTIVITY AND OSTEOINDUCTIVITY. , 2004, , 321-337.		1
258	Mechanical properties of the rotator cuff: response to cyclic loading at varying abduction angles. Knee Surgery, Sports Traumatology, Arthroscopy, 2003, 11, 389-392.	2.3	22
259	The effect of screw type on the biomechanical properties of SCARF and crescentic osteotomies of the first metatarsal. Journal of Foot and Ankle Surgery, 2003, 42, 161-164.	0.5	16
260	A novel method for measuring medial compartment pressures within the knee joint in-vivo. Journal of Biomechanics, 2003, 36, 1391-1395.	0.9	37
261	In vitro assessment of proximal polyethylene contact surface areas and stresses in mobile bearing knees. Medical Engineering and Physics, 2003, 25, 437-443.	0.8	21
262	Role of community diagnostic ultrasound examination in the diagnosis of full-thickness rotator cuff tears. ANZ Journal of Surgery, 2003, 73, 797-799.	0.3	18
263	Use of a polymeric device to deliver growth factors to a healing fracture. ANZ Journal of Surgery, 2003, 73, 1022-1027.	0.3	7
264	Biomechanical analysis of five fixation techniques used in glenohumeral arthrodesis. ANZ Journal of Surgery, 2003, 73, 1015-1017.	0.3	20
265	A resorbable porous ceramic composite bone graft substitute in a rabbit metaphyseal defect model. Journal of Orthopaedic Research, 2003, 21, 655-661.	1.2	68
266	The immunolocalisation of VEGF in the articular cartilage of sheep mandibular condyles. Journal of Cranio-Maxillo-Facial Surgery, 2003, 31, 244-251.	0.7	20
267	Biomechanical properties of four circumferential flexor tendon suture techniques. Journal of Hand Surgery, 2003, 28, 824-831.	0.7	62
268	Tophaceous gout of the rotator cuff: A case report. Journal of Shoulder and Elbow Surgery, 2003, 12, 200-201.	1.2	23
269	Surgical management of large rotator cuff tears combined with instability in elite rugby football players * Commentary. British Journal of Sports Medicine, 2003, 37, 179-181.	3.1	39
270	Cell Structure and Biology of Bone and Cartilage. , 2003, , 35-58.		3



#	ARTICLE	IF	CITATIONS
271	The Role of Nerve Growth Factor and Brain-Derived Neurotrophic Factor in Inferior Alveolar Nerve Regeneration in Distraction Osteogenesis. <i>Journal of Craniofacial Surgery</i> , 2003, 14, 859-865.	0.3	24
272	Hydroxyapatite Composite Resin Cement Augmentation of Pedicle Screw Fixation. <i>Clinical Orthopaedics and Related Research</i> , 2003, 406, 253-261.	0.7	27
273	Response of a Calcium Sulfate Bone Graft Substitute in a Confined Cancellous Defect. <i>Clinical Orthopaedics and Related Research</i> , 2003, 406, 228-236.	0.7	154
274	Effects of Braiding on Tensile Properties of Four-Strand Human Hamstring Tendon Grafts. <i>American Journal of Sports Medicine</i> , 2003, 31, 714-717.	1.9	17
275	Response of a calcium sulfate bone graft substitute in a confined cancellous defect. <i>Clinical Orthopaedics and Related Research</i> , 2003, , 228-36.	0.7	64
276	Matrix metalloproteinases and their inhibitors in bone remodelling following distraction osteogenesis of the sheep mandible. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2002, 30, 208-212.	0.7	17
277	The function of the posterior cruciate ligament in an anteroposterior-gliding rotating platform total knee arthroplasty. <i>Journal of Arthroplasty</i> , 2002, 17, 484-489.	1.5	29
278	The effect of substrate roughness and hydroxyapatite coating thickness on implant shear strength. <i>Journal of Arthroplasty</i> , 2002, 17, 304-311.	1.5	65
279	Surface roughness of the proximal and distal bearing surface of mobile bearing total knee prostheses. <i>Journal of Arthroplasty</i> , 2002, 17, 713-717.	1.5	10
280	Biomechanical assessment of Weber B ankle fractures in a human cadaver model. <i>Foot</i> , 2002, 12, 77-82.	0.4	1
281	TGF- $\beta$ 2, BMPs, and their signal transducing mediators, Smads, in rat fracture healing. <i>Journal of Biomedical Materials Research Part B</i> , 2002, 60, 392-397.	3.0	76
282	The influence of design parameters on cortical strain distribution of a cementless titanium femoral stem. <i>Medical Engineering and Physics</i> , 2002, 24, 109-114.	0.8	31
283	Wound healing and growth factor expression in T lymphocyte deficiency. <i>ANZ Journal of Surgery</i> , 2002, 72, 491-495.	0.3	8
284	A compliant tip reduces the peak pressure of laparoscopic graspers. <i>ANZ Journal of Surgery</i> , 2002, 72, 476-478.	0.3	10
285	The effect of recombinant equine growth hormone on the biomechanical properties of healing superficial digital flexor tendons in horses. <i>Veterinary Surgery</i> , 2002, 31, 320-324.	0.5	27
286	Recombinant equine growth hormone does not affect the in vitro biomechanical properties of equine superficial digital flexor tendon. <i>Veterinary Surgery</i> , 2002, 31, 325-330.	0.5	33
287	A curved edge moderates high pressure generated by a laparoscopic grasper. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2001, 15, 1232-1234.	1.3	15
288	Laminated tears of the human rotator cuff: A histologic and immunochemical study. <i>Journal of Shoulder and Elbow Surgery</i> , 2001, 10, 109-115.	1.2	78

#	ARTICLE	IF	CITATIONS
289	A novel, resorbable suture anchor: Pullout strength from the human cadaver greater tuberosity. <i>Journal of Shoulder and Elbow Surgery</i> , 2001, 10, 286-291.	1.2	13
290	Anatomic variance of the coracoclavicular ligaments. <i>Journal of Shoulder and Elbow Surgery</i> , 2001, 10, 585-588.	1.2	101
291	Resistance forces acting on suture needles. <i>Journal of Biomechanics</i> , 2001, 34, 1335-1340.	0.9	81
292	Structural Properties of the Intact and the Reconstructed Coracoclavicular Ligament Complex. <i>American Journal of Sports Medicine</i> , 2000, 28, 103-108.	1.9	232
293	A Novel Suture Anchor of High-Density Collagen Compared with a Metallic Anchor. <i>American Journal of Sports Medicine</i> , 2000, 28, 883-887.	1.9	15
294	In Vitro Structural Properties of Braided Tendon Grafts. <i>American Journal of Sports Medicine</i> , 2000, 28, 790-793.	1.9	25
295	Effect of Distraction Rate on Biomechanical, Mineralization, and Histologic Properties of an Ovine Mandible Model. <i>Plastic and Reconstructive Surgery</i> , 2000, 105, 889-895.	0.7	58
296	Mechanical and Histologic Evaluation of Collagraft?? in an Ovine Lumbar Fusion Model. <i>Clinical Orthopaedics and Related Research</i> , 2000, 375, 258-266.	0.7	65
297	Morphometric and mechanical evaluation of titanium implant integration: Comparison of five surface structures. , 2000, 51, 15-22.		140
298	A Biomechanical Comparison of the Z Step-cut and Basilar Crescentic Osteotomies of the First Metatarsal. <i>Foot and Ankle International</i> , 2000, 21, 584-587.	1.1	31
299	Patterns of Failure at the Instrumentâ€™Tissue Interface. <i>Journal of Surgical Research</i> , 2000, 93, 16-20.	0.8	29
300	A new technique of subtrochanteric shortening in total hip arthroplasty. <i>Journal of Arthroplasty</i> , 2000, 15, 617-626.	1.5	94
301	Increased formation and decreased resorption of bone in mice with elevated vitamin D receptor in mature cells of the osteoblastic lineage. <i>FASEB Journal</i> , 2000, 14, 1908-1916.	0.2	155
302	Does the sheep mandible relapse following lengthening by distraction osteogenesis?. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2000, 28, 251-257.	0.7	23
303	HIGH PRESSURES ARE GENERATED AT THE TIP OF LAPAROSCOPIC GRASPERS. <i>Australian and New Zealand Journal of Surgery</i> , 1999, 69, 127-130.	0.2	63
304	An improved method for measuring tibiofemoral contact areas in total knee arthroplasty: a comparison of K-scan sensor and Fuji film. <i>Journal of Biomechanics</i> , 1999, 32, 951-958.	0.9	138
305	Expression of growth factors in the mandibular distraction zone: a sheep study. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 1999, 52, 434-439.	1.1	48
306	The Role of Transforming Growth Factor-Beta, Insulin-Like Growth Factor I, and Basic Fibroblast Growth Factor in Distraction Osteogenesis of the Mandible. <i>Journal of Craniofacial Surgery</i> , 1999, 10, 80-86.	0.3	70

#	ARTICLE	IF	CITATIONS
307	Resurfacing of the Glenoid in Total Shoulder Arthroplasty. A Comparison, at a Mean of Five Years, of Prostheses Inserted with and without Cement*. Journal of Bone and Joint Surgery - Series A, 1999, 81, 510-8.	1.4	118
308	CERAMIC PROSTHETIC FEMORAL HEAD: THE EFFECT OF THE CONTACT STRESS DISTRIBUTION. , 1999, , .		0
309	DIFFICULTIES IN THE SALVAGE OF FOREARM STABILITY IN RADIO-ULNAR DISSOCIATION. ANZ Journal of Surgery, 1998, 68, 154-157.	0.3	3
310	Intraoperative assessment of tibiofemoral contact stresses in total knee arthroplasty. Journal of Arthroplasty, 1998, 13, 923-927.	1.5	56
311	Initial fixation strength of polylactic acid interference screws in anterior cruciate ligament reconstruction. Arthroscopy - Journal of Arthroscopic and Related Surgery, 1998, 14, 278-284.	1.3	63
312	The role of latency in mandibular osteodistraction. Journal of Cranio-Maxillo-Facial Surgery, 1998, 26, 209-219.	0.7	87
313	Mandibular distraction osteogenesis: a comparison of distraction rates in the rabbit model. Journal of Cranio-Maxillo-Facial Surgery, 1998, 26, 43-49.	0.7	79
314	Biomechanical Performance of Bankart Repairs in a Human Cadaveric Shoulder Model. American Journal of Sports Medicine, 1998, 26, 831-835.	1.9	25
315	Cytokines and matrix metalloproteinases mRNA expression in archival human tissues from failed total hip arthroplasty using in situ hybridization and color video image analysis. Bulletin of the Hospital for Joint Diseases, 1998, 57, 23-9.	0.3	6
316	Fracture Healing in a Rat Osteopenia Model. Clinical Orthopaedics and Related Research, 1997, 342, 218-227.	0.7	94
317	The interosseous membrane in radio-ulnar dissociation. Journal of Bone and Joint Surgery: British Volume, 1997, 79, 422-7.	3.4	49
318	Fracture healing in a rat osteopenia model. Clinical Orthopaedics and Related Research, 1997, , 218-27.	0.7	18
319	Mechanical properties of bat wing membrane skin. Journal of Zoology, 1996, 239, 357-378.	0.8	135
320	A novel technique for quantitative detection of mRNA expression in human bone derived cells cultured on biomaterials. , 1996, 33, 217-223.		48
321	Correlation Between Ultrasound Imaging and Mechanical and Physical Properties of Lengthened Bone. Journal of Pediatric Orthopaedics, 1995, 15, 206-211.	0.6	4
322	Controlled release of platelet-derived growth factor using ethylene vinyl acetate copolymer (EVAc) coated on stainless-steel wires. Biomaterials, 1995, 16, 1319-1325.	5.7	30
323	Effects of a delayed steroid injection on ligament healing using a rabbit medial collateral ligament model. Biomaterials, 1995, 16, 905-910.	5.7	24
324	Demineralized bone matrix as a template for mineral-organic composites. Biomaterials, 1995, 16, 1363-1371.	5.7	14

#	ARTICLE	IF	CITATIONS
325	Effects of local injection of corticosteroids on the healing of ligaments. A follow-up report.. Journal of Bone and Joint Surgery - Series A, 1995, 77, 1682-1691.	1.4	72
326	Healing Characteristics of a Type I Collagenous Structure Treated with Corticosteroids. American Journal of Sports Medicine, 1994, 22, 279-288.	1.9	69
327	Bone composite behaviour: effects of mineral-organic bonding. Journal of Materials Science: Materials in Medicine, 1994, 5, 72-79.	1.7	39
328	Human osteoblast response to PTFE surfaces. Clinical Materials, 1994, 16, 201-210.	0.5	11
329	Mechanism of initial attachment of cells derived from human bone to commonly used prosthetic materials during cell culture. Biomaterials, 1994, 15, 213-222.	5.7	161
330	Compressive properties of cortical bone: mineral-organic interfacial bonding. Biomaterials, 1994, 15, 137-145.	5.7	78
331	The effect of in vitro fluoride ion treatment on the ultrasonic properties of cortical bone. Annals of Biomedical Engineering, 1994, 22, 404-415.	1.3	26
332	Biomechanical and physical properties of lengthened bone in a canine model. Clinical Orthopaedics and Related Research, 1994, , 230-8.	0.7	1
333	Ion concentration effects on bone streaming potentials and zeta potentials. Biomaterials, 1993, 14, 331-336.	5.7	23
334	Piezoelectric and Electrokinetic Effects in Bone Tissueâ€“Review. Electromagnetic Biology and Medicine, 1993, 12, 51-82.	0.4	9
335	Biomechanical evaluation of interference screw fixation in a bovine patellar bone-tendon-bone autograft complex for anterior cruciate ligament reconstruction. Arthroscopy - Journal of Arthroscopic and Related Surgery, 1993, 9, 417-424.	1.3	88
336	Human Osteoblast Expression of Osteonectin on Different Charged Substrata. Materials Research Society Symposia Proceedings, 1993, 331, 133.	0.1	0
337	Osteoblast - Orthopaedic Biomaterial Response. Materials Research Society Symposia Proceedings, 1993, 331, 127.	0.1	1
338	The Role of Ions and Mineral-Organic Interfacial Bonding on the Compressive Properties of Cortical Bone. Bio-Medical Materials and Engineering, 1993, 3, 75-84.	0.4	8
339	The role of ions and mineral-organic interfacial bonding on the compressive properties of cortical bone. Bio-Medical Materials and Engineering, 1993, 3, 75-84.	0.4	7
340	Bone Cell Response to Ion Implanted Silicon Wafers. Materials Research Society Symposia Proceedings, 1991, 252, 213.	0.1	1
341	Electrokinetic behavior of intact wet bone: Compartmental model. Journal of Orthopaedic Research, 1991, 9, 683-692.	1.2	23
342	Streaming potential of intact wet bone. Journal of Biomechanics, 1990, 23, 673-685.	0.9	57

#	ARTICLE	IF	CITATIONS
343	Antibacterial peptidomimetic and characterization of its efficacy as an antibacterial and biocompatible coating for bioceramic-based bone substitutes. Materials Advances, 0, , .	2.6	1