

# Christof Hurschler

## List of Publications by Year in descending order

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172  
papers

4,933  
citations

108046

37  
h-index

139680

61  
g-index

175  
all docs

175  
docs citations

175  
times ranked

4344  
citing authors

#	ARTICLE	IF	CITATIONS
1	The novel arthroscopic subscapular quadriceps tendonâ€‘bone sling procedure provides increased stability in shoulder cadavers with severe glenoid bone loss. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021, 29, 170-180.	2.3	4
2	Is the strain pattern of conventional stems negatively affected by a previously short stem THA? An experimental study in cadavaric bone. <i>Technology and Health Care</i> , 2021, 29, 323-331.	0.5	0
3	Predictive simulation of post-stroke gait with functional electrical stimulation. <i>Scientific Reports</i> , 2021, 11, 21351.	1.6	4
4	Experimental evaluation of precision and accuracy of RSA in the lumbar spine. <i>European Spine Journal</i> , 2020, 30, 2060-2068.	1.0	4
5	Biomechanical Assessment of Three Osteosynthesis Constructs by Periprosthetic Humerus Fractures. <i>Advances in Orthopedics</i> , 2020, 2020, 1-7.	0.4	1
6	Intra- and Interobserver Reliability Comparison of Clinical Gait Analysis Data between Two Gait Laboratories. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5068.	1.3	2
7	Anatomic factors influencing the anterior stability of reverse total shoulder arthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2020, 29, 2619-2625.	1.2	5
8	Greater early migration of a short-stem total hip arthroplasty is not associated with an increased risk of osseointegration failure: 5th-year results from a prospective RSA study with 39 patients, a follow-up study. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 91, 266-271.	1.2	21
9	Force, impulse and energy during falling with and without knee protection: an in-vitro study. <i>Scientific Reports</i> , 2019, 9, 10336.	1.6	7
10	Effect of the humeral neck-shaft angle and glenosphere lateralization on stability of reverse shoulder arthroplasty: a cadaveric study. <i>Journal of Shoulder and Elbow Surgery</i> , 2019, 28, 966-973.	1.2	44
11	The prevalence of osteoarthritis: Higher risk after transfemoral amputation?â€‘A database analysis with 1,569 amputees and matched controls. <i>PLoS ONE</i> , 2019, 14, e0210868.	1.1	10
12	The Laxity of the Native Knee. <i>Journal of Bone and Joint Surgery - Series A</i> , 2019, 101, 1119-1131.	1.4	11
13	Comparison of Near-Infrared Spectroscopy with Needle Indentation and Histology for the Determination of Cartilage Thickness in the Large Animal Model Sheep. <i>Cartilage</i> , 2019, 10, 173-185.	1.4	11
14	Monocortical fixation of the coracoid in the Latarjet procedure is significantly weaker than bicortical fixation. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019, 27, 239-244.	2.3	14
15	A short stem with metaphyseal anchorage reveals a more physiological strain pattern compared to a standard stem - an experimental study in cadavaric bone. <i>Acta of Bioengineering and Biomechanics</i> , 2019, 21, 153-159.	0.2	3
16	Interâ€‘and intraâ€‘operator reliability in patientâ€‘specific template positioning for total hip arthroplasty. A cadaver study. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2018, 14, e1887.	1.2	2
17	No effect of conventional vs. minimally invasive surgical approach on clinical outcome and migration of a short stem total hip prosthesis at 2-year follow-up: A randomized controlled study. <i>Clinical Biomechanics</i> , 2018, 51, 105-112.	0.5	18
18	The effect of rotator cuff malreduction on tendon tension: an evaluation of a custom-made digital tensiometer clamp. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2018, 138, 219-225.	1.3	10

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19	Biphasic parameter identification of equine articular cartilage from creep indentation data using an optimized 3D FE-based method. <i>Current Directions in Biomedical Engineering</i> , 2018, 4, 481-484.	0.2	0
20	Comparison of biphasic material properties of equine articular cartilage from stress relaxation indentation tests with and without tension-compression nonlinearity. <i>Current Directions in Biomedical Engineering</i> , 2018, 4, 485-488.	0.2	1
21	Biomechanical properties following open wedge high tibial osteotomy: Plate fixator combined with dynamic locking screws versus standard locking screws. <i>Clinical Biomechanics</i> , 2018, 60, 108-114.	0.5	4
22	In vitro investigation of two connector types for continuous rod construct to extend lumbar spinal instrumentation. <i>European Spine Journal</i> , 2018, 27, 1895-1904.	1.0	6
23	Dynamic Time Warping compared to established methods for validation of musculoskeletal models. <i>Journal of Biomechanics</i> , 2017, 55, 156-161.	0.9	6
24	Effect of single intralesional treatment of surgically induced equine superficial digital flexor tendon core lesions with adipose-derived mesenchymal stromal cells: a controlled experimental trial. <i>Stem Cell Research and Therapy</i> , 2017, 8, 129.	2.4	41
25	Design considerations for a novel shape-memory-plate osteosynthesis allowing for non-invasive alteration of bending stiffness. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 75, 558-566.	1.5	8
26	rhBMP-2 in an injectable Gelfoam carrier enhances consolidation of the distracted callus in a sheep model. <i>Technology and Health Care</i> , 2017, 25, 1163-1172.	0.5	1
27	The Influence of Tribological Pairings and Other Factors on Migration Patterns of Short Stems in Total Hip Arthroplasty. <i>BioMed Research International</i> , 2017, 2017, 1-9.	0.9	7
28	Influence of size and CCD-angle of a short stem hip arthroplasty on strain patterns of the proximal femur - an experimental study. <i>Acta of Bioengineering and Biomechanics</i> , 2017, 19, 141-149.	0.2	2
29	±BSM failed as a carrier of rhBMP-2 to enhance bone consolidation in a sheep model of distraction osteogenesis. <i>Acta of Bioengineering and Biomechanics</i> , 2017, 19, 55-62.	0.2	3
30	Biomechanical comparison of fixation techniques for medial collateral ligament anatomical augmented repair. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2016, 24, 3982-3987.	2.3	22
31	Helical Axis Data Visualization and Analysis of the Knee Joint Articulation. <i>Journal of Biomechanical Engineering</i> , 2016, 138, .	0.6	5
32	Biomechanical evaluation of the simple cinch stitch for arthroscopic rotator cuff repair. <i>Clinical Biomechanics</i> , 2016, 36, 21-25.	0.5	5
33	Patella tracking and patella contact pressure in modular patellofemoral arthroplasty: a biomechanical in vitro analysis. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2016, 136, 849-855.	1.3	14
34	The lasso-loop, lasso-mattress and simple-cinch stitch for arthroscopic rotator cuff repair: are there biomechanical differences?. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2016, 136, 1581-1585.	1.3	10
35	Anterior stability of the reverse shoulder arthroplasty depending on implant configuration and rotator cuff condition. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2016, 136, 1513-1519.	1.3	31
36	Digital patient modelling. , 2016, , .		0

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37	Electromechanical Assessment of Human Knee Articular Cartilage with Compression-Induced Streaming Potentials. <i>Cartilage</i> , 2016, 7, 62-69.	1.4	10
38	Posterior dynamic stabilization in the lumbar spine – 24 months results of a prospective clinical and radiological study with an interspinous distraction device. <i>BMC Musculoskeletal Disorders</i> , 2016, 17, 90.	0.8	8
39	Use of single-representative reverse-engineered surface-models for RSA does not affect measurement accuracy and precision. <i>Journal of Orthopaedic Research</i> , 2016, 34, 903-910.	1.2	4
40	Influence of plate material and screw design on stiffness and ultimate load of locked plating in osteoporotic proximal humeral fractures. <i>Injury</i> , 2016, 47, 617-624.	0.7	49
41	In vitro investigation of a new dynamic cervical implant: comparison to spinal fusion and total disc replacement. <i>European Spine Journal</i> , 2016, 25, 2247-2254.	1.0	22
42	Implant impingement during internal rotation after reverse shoulder arthroplasty. The effect of implant configuration and scapula anatomy: A biomechanical study. <i>Clinical Biomechanics</i> , 2016, 33, 111-116.	0.5	25
43	Analysis of migration of the Nanos® short-stem hip implant within two years after surgery. <i>International Orthopaedics</i> , 2016, 40, 1607-1614.	0.9	33
44	A computational approach to calculate personalized pennation angle based on MRI: effect on motion analysis. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2016, 11, 683-693.	1.7	2
45	A nickel-titanium shape memory alloy plate for contactless inverse dynamization after internal fixation in a sheep tibia fracture model: A pilot study. <i>Technology and Health Care</i> , 2015, 23, 463-474.	0.5	7
46	A Novel Shape Memory Plate Osteosynthesis for Noninvasive Modulation of Fixation Stiffness in a Rabbit Tibia Osteotomy Model. <i>BioMed Research International</i> , 2015, 2015, 1-8.	0.9	17
47	In vitro-analysis of kinematics and intradiscal pressures in cervical arthroplasty versus fusion – A biomechanical study in a sheep model with two semi-constrained prosthesis. <i>BioMedical Engineering OnLine</i> , 2015, 14, 27.	1.3	14
48	In Vitro Comparison of Biological and Synthetic Materials for Skeletal Chest Wall Reconstruction. <i>Annals of Thoracic Surgery</i> , 2015, 99, 991-998.	0.7	15
49	Influence of Defect Size and Localization on the Engagement of Reverse Hill-Sachs Lesions. <i>American Journal of Sports Medicine</i> , 2015, 43, 542-548.	1.9	31
50	In vitro kinematics of fixed versus mobile bearing in unicondylar knee arthroplasty. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2015, 135, 871-877.	1.3	28
51	A novel implant-free tibial pull-press-fixation for ACL reconstruction. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2015, 135, 1547-1552.	1.3	0
52	Biomechanical comparison of two surgical techniques for press-fit reconstruction of the posterolateral complex of the knee. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2015, 135, 1579-1588.	1.3	5
53	Suture anchor repair yields better biomechanical properties than transosseous sutures in ruptured quadriceps tendons. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2015, 23, 1039-1045.	2.3	62
54	Enhanced Visualization of the Knee Joint Functional Articulation Based on Helical Axis Method. <i>Informatik Aktuell</i> , 2015, , 449-454.	0.4	1

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55	Biomechanical evaluation of inferior scapula notching of reverse shoulder arthroplasty depending on implant configuration and scapula neck anatomy. <i>International Journal of Shoulder Surgery</i> , 2015, 9, 103.	1.5	14
56	The biomechanics of biodegradable versus titanium interference screw fixation for anterior cruciate ligament augmentation and reconstruction. <i>International Orthopaedics</i> , 2014, 38, 2499-2503.	0.9	10
57	Changes in strain patterns after implantation of a short stem with metaphyseal anchorage compared to a standard stem: an experimental study in synthetic bone. <i>Orthopedic Reviews</i> , 2014, 6, 5211.	0.3	28
58	Subject-specific assessment of loading variation in the knee ligaments with a view to preoperative planning. , 2014, , .		1
59	Transcutaneous electromagnetic induction heating of an intramedullary nickel-titanium shape memory implant. <i>International Orthopaedics</i> , 2014, 38, 2551-2557.	0.9	13
60	Bioabsorbable Interbody Magnesium-Polymer Cage. <i>Spine</i> , 2014, 39, E1220-E1227.	1.0	26
61	Tracheal cartilage - evaluating the potential of a novel biomaterial for reconstructive cardiovascular procedures. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2014, 8, 850-861.	1.3	0
62	BMP activation and Wnt-signalling affect biochemistry and functional biomechanical properties of cartilage tissue engineering constructs. <i>Osteoarthritis and Cartilage</i> , 2014, 22, 284-292.	0.6	27
63	Biomechanical effects of calcar screws and bone block augmentation on medial support in locked plating of proximal humeral fractures. <i>Clinical Biomechanics</i> , 2014, 29, 735-741.	0.5	58
64	Biomechanical testing of distal femur osteotomy plate fixation techniques: the role of simulated physiological loading. <i>Journal of Experimental Orthopaedics</i> , 2014, 1, 1.	0.8	33
65	Validation of an Anatomical Coordinate System for Clinical Evaluation of the Knee Joint in Upright and Closed MRI. <i>Annals of Biomedical Engineering</i> , 2014, 42, 1133-1142.	1.3	4
66	Influence of transfemoral amputation length on resulting loads at the osseointegrated prosthesis fixation during walking and falling. <i>Clinical Biomechanics</i> , 2014, 29, 272-276.	0.5	14
67	Stiffness and ultimate load of osseointegrated prosthesis fixations in the upper and lower extremity. <i>BioMedical Engineering OnLine</i> , 2013, 12, 70.	1.3	9
68	Dependence of model-based RSA accuracy on higher and lower implant surface model quality. <i>BioMedical Engineering OnLine</i> , 2013, 12, 32.	1.3	12
69	Biomechanical comparison of different fixation techniques for reconstruction of tibial avulsion fractures of the anterior cruciate ligament. <i>International Orthopaedics</i> , 2013, 37, 919-923.	0.9	21
70	Adaptable Orthopedic Shape Memory Implants. <i>Procedia CIRP</i> , 2013, 5, 253-258.	1.0	58
71	Preliminary results in anterior cervical discectomy and fusion with an experimental bioabsorbable cage - clinical and radiological findings in an ovine animal model. <i>SpringerPlus</i> , 2013, 2, 418.	1.2	16
72	Manufacturing conditioned roughness and wear of biomedical oxide ceramics for all-ceramic knee implants. <i>BioMedical Engineering OnLine</i> , 2013, 12, 84.	1.3	16

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73	Loads on the prosthesisâ€‘socket interface of above-knee amputees during normal gait: Validation of a multi-body simulation. <i>Journal of Biomechanics</i> , 2013, 46, 1201-1206.	0.9	28
74	Manufacturing Conditioned Wear of All-ceramic Knee Prostheses. <i>Procedia CIRP</i> , 2013, 5, 179-184.	1.0	17
75	The influence of resection height on proximal femoral strain patterns after Metha short stem hip arthroplasty: an experimental study on composite femora. <i>International Orthopaedics</i> , 2013, 37, 369-377.	0.9	31
76	In vitro electro-mechanical characterization of human knee articular cartilage of different degeneration levels: A comparison with ICRS and Mankin scores. <i>Journal of Biomechanics</i> , 2013, 46, 1328-1334.	0.9	24
77	Biomechanical Properties of Suture Anchor Repair Compared With Transosseous Sutures in Patellar Tendon Ruptures. <i>American Journal of Sports Medicine</i> , 2013, 41, 2540-2544.	1.9	65
78	Use of Tekscan K-Scan Sensors for Retropatellar Pressure Measurement Avoiding Errors during Implantation and the Effects of Shear Forces on the Measurement Precision. <i>BioMed Research International</i> , 2013, 2013, 1-7.	0.9	33
79	Tibial inlay press-fit fixation versus interference screw in posterior cruciate ligament reconstruction. <i>Orthopedic Reviews</i> , 2013, 5, 35.	0.3	6
80	Multiâ€‘body simulation of various falling scenarios for determining resulting loads at the prosthesis interface of transfemoral amputees with osseointegrated fixation. <i>Journal of Orthopaedic Research</i> , 2013, 31, 1123-1129.	1.2	15
81	Reduction of Pullout Strength Caused by Reinsertion of 3.5-mm Cortical Screws. <i>Journal of Orthopaedic Trauma</i> , 2013, 27, 170-176.	0.7	22
82	Mechanical testing of an absorbable hybrid fusion cage for the cervical spine. <i>Biomedizinische Technik</i> , 2012, 57, 353-8.	0.9	6
83	Markerless Roentgen Stereophotogrammetric Analysis for in vivo implant migration measurement using three dimensional surface models to represent bone. <i>Journal of Biomechanics</i> , 2012, 45, 1540-1545.	0.9	15
84	The influence of superior labrum anterior to posterior (SLAP) repair on restoring baseline glenohumeral translation and increased biceps loading after simulated SLAP tear and the effectiveness of SLAP repair after long head of biceps tenotomy. <i>Journal of Shoulder and Elbow Surgery</i> , 2012, 21, 1580-1587.	1.2	33
85	Suprapectoral or subpectoral position for biceps tenodesis: biomechanical comparison of four different techniques in both positions. <i>Journal of Shoulder and Elbow Surgery</i> , 2012, 21, 116-125.	1.2	103
86	Comparison of three suture techniques and three suture materials on gap formation and failure load in ruptured tendons: a human cadaveric study. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2012, 132, 649-654.	1.3	21
87	Influence of perfusion and compression on the proliferation and differentiation of bone mesenchymal stromal cells seeded on polyurethane scaffolds. <i>Biomaterials</i> , 2012, 33, 1052-1064.	5.7	90
88	Biomechanical investigation of the stabilization principle of the Latarjet procedure. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2012, 132, 377-386.	1.3	63
89	Biomechanical In Vitro - Stability Testing on Human Specimens of a Locking Plate System Against Conventional Screw Fixation of a Proximal First Metatarsal Lateral Displacement Osteotomy. <i>The Open Orthopaedics Journal</i> , 2012, 6, 133-139.	0.1	2
90	Biomechanical Comparison of Arthroscopically Performable Techniques for Suprapectoral Biceps Tenodesis. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2011, 27, 1036-1047.	1.3	77

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91	The impact of seating forces from a cementless femoral component in hip resurfacing arthroplasty on the femoral head – A cadaver study using 1/4-CT analysis. <i>Technology and Health Care</i> , 2011, 19, 29-36.	0.5	1
92	How Does a Varus Deformity of the Humeral Head Affect Elevation Forces and Shoulder Function? A Biomechanical Study With Human Shoulder Specimens. <i>Journal of Orthopaedic Trauma</i> , 2011, 25, 399-405.	0.7	41
93	Mechanical characterization of nacre as an ideal-model for innovative new endoprosthesis materials. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2011, 131, 191-196.	1.3	15
94	A Preliminary Study of Bending Stiffness Alteration in Shape Changing Nitinol Plates for Fracture Fixation. <i>Annals of Biomedical Engineering</i> , 2011, 39, 1546-1554.	1.3	15
95	Effect of posterior offset humeral components on range of motion in reverse shoulder arthroplasty. <i>International Orthopaedics</i> , 2011, 35, 549-554.	0.9	8
96	Axial and torsional stability of supracondylar femur osteotomies: biomechanical comparison of the stability of five different plate and osteotomy configurations. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2011, 19, 579-587.	2.3	49
97	Axial and torsional stability of an improved single-plane and a new bi-plane osteotomy technique for supracondylar femur osteotomies. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2011, 19, 1090-1098.	2.3	43
98	Increased glenohumeral translation and biceps load after SLAP lesions with potential influence on glenohumeral chondral lesions: a biomechanical study on human cadavers. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2011, 19, 1780-1787.	2.3	28
99	Digital stereophotogrammetry based on circular markers and zooming cameras: evaluation of a method for 3D analysis of small motions in orthopaedic research. <i>BioMedical Engineering OnLine</i> , 2011, 10, 12.	1.3	1
100	Comparison of Bone Mineral Parameter Measurements by Dual-Energy X-ray Absorptiometry With Bone Stiffness Measurements as Indicators of the Load-Bearing Capacity of Regenerating Bone. <i>Journal of Orthopaedic Trauma</i> , 2010, 24, 181-187.	0.7	4
101	Patellofemoral pressure after TKA in vitro: highly conforming vs. posterior stabilized inlays. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2010, 130, 191-196.	1.3	37
102	Quadriceps force in relation of intrinsic anteroposterior stability of TKA design. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2010, 130, 1-9.	1.3	22
103	Electromagnetic induction heating of an orthopaedic nickel–titanium shape memory device. <i>Journal of Orthopaedic Research</i> , 2010, 28, 1671-1676.	1.2	12
104	The biomechanical effects of limb lengthening and botulinum toxin type A on rabbit tendon. <i>Journal of Biomechanics</i> , 2010, 43, 3177-3182.	0.9	9
105	A rolling-gliding wear simulator for the investigation of tribological material pairings for application in total knee arthroplasty. <i>BioMedical Engineering OnLine</i> , 2010, 9, 24.	1.3	16
106	Experimental Analysis of Model-Based Roentgen Stereophotogrammetric Analysis (MBRSA) on Four Typical Prosthesis Components. <i>Journal of Biomechanical Engineering</i> , 2009, 131, 041004.	0.6	26
107	Bone Marrow Stromal Cells in a Liquid Fibrin Matrix Improve the Healing Process of Patellar Tendon Window Defects. <i>Tissue Engineering - Part A</i> , 2009, 15, 1019-1030.	1.6	49
108	Open Shoulder Repair of Osseous Glenoid Defects. <i>American Journal of Sports Medicine</i> , 2009, 37, 87-94.	1.9	108

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109	Tunnel Widening after Anterior Cruciate Ligament Reconstruction. American Journal of Sports Medicine, 2009, 37, 1609-1617.	1.9	22
110	Comparison of the Model-Based and Marker-Based Roentgen Stereophotogrammetry Methods in a Typical Clinical Setting. Journal of Arthroplasty, 2009, 24, 594-606.	1.5	43
111	Influence of an infrapatellar fat pad edema on patellofemoral biomechanics and knee kinematics: a possible relation to the anterior knee pain syndrome. Archives of Orthopaedic and Trauma Surgery, 2009, 129, 1025-1030.	1.3	18
112	Graft remodeling during growth following anterior cruciate ligament reconstruction in skeletally immature sheep. Archives of Orthopaedic and Trauma Surgery, 2009, 129, 1037-1046.	1.3	19
113	Posterior stabilized TKA reduce patellofemoral contact pressure compared with cruciate retaining TKA in vitro. Knee Surgery, Sports Traumatology, Arthroscopy, 2009, 17, 1159-1165.	2.3	52
114	Perfusion and cyclic compression of mesenchymal cell-loaded and clinically applicable osteochondral grafts. Knee Surgery, Sports Traumatology, Arthroscopy, 2009, 17, 1384-1392.	2.3	11
115	Biomechanical stability of an arthroscopic anterior capsular shift and suture anchor repair in anterior shoulder instability: a human cadaveric shoulder model. Knee Surgery, Sports Traumatology, Arthroscopy, 2009, 17, 1493-1499.	2.3	11
116	A rotating inlay decreases contact pressure on inlay post after posterior cruciate substituting total knee arthroplasty. Clinical Biomechanics, 2009, 24, 446-450.	0.5	4
117	Additive fiber-cerclages in proximal humeral fractures stabilized by locking plates. Monthly Notices of the Royal Astronomical Society: Letters, 2009, 80, 465-471.	1.2	28
118	The influence of patellar bracing on patellar and knee load-distribution and kinematics: an experimental cadaver study. Knee Surgery, Sports Traumatology, Arthroscopy, 2008, 16, 135-141.	2.3	18
119	Accuracy of Model-based RSA Contour Reduction in a Typical Clinical Application. Clinical Orthopaedics and Related Research, 2008, 466, 1978-1986.	0.7	31
120	The effect of dynamic, semi-rigid implants on the range of motion of lumbar motion segments after decompression. European Spine Journal, 2008, 17, 1057-1065.	1.0	95
121	A system for engineering an osteochondral construct in the shape of an articular surface: Preliminary results. Annals of Anatomy, 2008, 190, 351-359.	1.0	7
122	Effect of Coracoacromial Ligament Resection on Glenohumeral Stability Under Active Muscle Loading in an In Vitro Model. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2008, 24, 1258-1264.	1.3	38
123	Histologic and Biomechanical Analysis of Anterior Cruciate Ligament Graft to Bone Healing in Skeletally Immature Sheep. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2008, 24, 1221-1231.	1.3	31
124	A rapid prototyping model for biomechanical evaluation of pelvic osteotomies / Ein Modell zur biomechanischen Bewertung von Beckenosteotomien. Biomedizinische Technik, 2008, 53, 65-69.	0.9	12
125	Quadriceps force during knee extension after non-hinged and hinged TKA: An in vitro study. Monthly Notices of the Royal Astronomical Society: Letters, 2008, 79, 34-38.	1.2	14
126	Laser welding of shape memory alloys for medical applications. , 2008, , .		2



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127	A new bending stiffness measurement device to monitor the influence of different intramedullar implants during healing period. <i>Technology and Health Care</i> , 2008, 16, 129-140.	0.5	4
128	A new bending stiffness measurement device to monitor the influence of different intramedullar implants during healing period. <i>Technology and Health Care</i> , 2008, 16, 129-40.	0.5	2
129	Dynamic measurement of patellofemoral contact pressure following reconstruction of the medial patellofemoral ligament: An in vitro study. <i>Clinical Biomechanics</i> , 2007, 22, 327-335.	0.5	31
130	The Effects of Valgus Medial Opening Wedge High Tibial Osteotomy on Articular Cartilage Pressure of the Knee: A Biomechanical Study. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2007, 23, 852-861.	1.3	294
131	Measurement of the effect of hamstring muscle force on knee cruciate ligament loading patterns during simulated extension motions: An in vitro study. <i>Isokinetics and Exercise Science</i> , 2007, 15, 83-90.	0.2	1
132	In vitro measurement of patellar kinematics following reconstruction of the medial patellofemoral ligament. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2007, 15, 276-285.	2.3	73
133	Dynamic measurement of patellofemoral kinematics and contact pressure after lateral retinacular release: an in vitro study. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2007, 15, 547-554.	2.3	103
134	Reattachment of an avulsed distal biceps tendon in athletes. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2007, 17, 37-42.	0.6	1
135	Tissue engineering of heart valves: biomechanical and morphological properties of decellularized heart valves. <i>Journal of Heart Valve Disease</i> , 2007, 16, 567-73; discussion 574.	0.5	84
136	In Vitro Investigation of the Effect of Medial Patellofemoral Ligament Reconstruction and Medial Tibial Tuberosity Transfer on Lateral Patellar Stability. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2006, 22, 308-319.	1.3	77
137	Dynamic in vitro measurement of posterior cruciate ligament load and tibiofemoral stress after TKA in dependence on tibiofemoral slope. <i>Clinical Biomechanics</i> , 2006, 21, 525-532.	0.5	26
138	The influence of arthroscopic subscapularis tendon and anterior capsular release on glenohumeral translation: A biomechanical model. <i>Journal of Shoulder and Elbow Surgery</i> , 2006, 15, 502-508.	1.2	13
139	Primary stability of anterior lumbar stabilization: interdependence of implant type and endplate retention or removal. <i>European Spine Journal</i> , 2006, 15, 807-818.	1.0	7
140	Experimental Measurement of Tibiofemoral Contact Area in a Meniscectomized Ovine Model Using a Resistive Pressure Measuring Sensor. <i>Annals of Biomedical Engineering</i> , 2006, 34, 1607-1614.	1.3	27
141	Primary stability of four different implants for opening wedge high tibial osteotomy. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2006, 14, 291-300.	2.3	192
142	The influence of pre-tensioning of meniscal transplants on the tibiofemoral contact area. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2006, 14, 425-436.	2.3	14
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