Lutz DÃ¹/₄rselen

List of Publications by Year in descending order

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123 papers 3,912 citations

32 h-index 56 g-index

131 all docs

131 does citations

131 times ranked

4665 citing authors

| # | Article | IF | CITATIONS |
|----|--|-------------|-----------|
| 1 | Function and strain of the anterolateral ligament part II: reconstruction. Knee Surgery, Sports Traumatology, Arthroscopy, 2023, 31, 390-398. | 4.2 | 3 |
| 2 | Meniscus biomechanics., 2022, , 177-197. | | 1 |
| 3 | Cartilage biomechanics. , 2022, , 151-176. | | 2 |
| 4 | Knee Joint Menisci Are Shock Absorbers: A Biomechanical In-Vitro Study on Porcine Stifle Joints. Frontiers in Bioengineering and Biotechnology, 2022, 10, 837554. | 4.1 | 2 |
| 5 | The tibial cut in total knee arthroplasty influences the varus alignment, the femoral roll-back and the tibiofemoral rotation in patients with constitutional varus. Knee Surgery, Sports Traumatology, Arthroscopy, 2021, 29, 641-651. | 4.2 | 4 |
| 6 | Adding Flexible Instrumentation to a Curved Videolaryngoscope: A Novel Tool for Laryngeal Surgery. Laryngoscope, 2021, 131, E561-E568. | 2.0 | 8 |
| 7 | Forces at the Anterior Meniscus Attachments Strongly Increase Under Dynamic Knee Joint Loading. American Journal of Sports Medicine, 2021, 49, 994-1004. | 4.2 | 5 |
| 8 | Biomechanics of a cemented short stem: a comparative in vitro study regarding primary stability and maximum fracture load. Archives of Orthopaedic and Trauma Surgery, 2021, 141, 1797-1806. | 2.4 | 1 |
| 9 | Neuromapping of the Capsuloligamentous Knee Joint Structures. Arthroscopy, Sports Medicine, and Rehabilitation, 2021, 3, e555-e563. | 1.7 | 2 |
| 10 | Osteoarthritis-Related Degeneration Alters the Biomechanical Properties of Human Menisci Before the Articular Cartilage. Frontiers in Bioengineering and Biotechnology, 2021, 9, 659989. | 4.1 | 19 |
| 11 | Biomechanics of a calcar loading and a shortened tapered femoral stem: Comparative in-vitro testing of primary stability and strain distribution. Journal of Experimental Orthopaedics, 2021, 8, 74. | 1.8 | 2 |
| 12 | Are Knotted or Knotless Techniques Better for Reconstruction of Full-Thickness Tears of the Superior Portion of the Subscapularis Tendon? A Study in Cadavers. Clinical Orthopaedics and Related Research, 2021, Publish Ahead of Print, . | 1.5 | 2 |
| 13 | Influence of Menisci on Tibiofemoral Contact Mechanics in Human Knees: A Systematic Review. Frontiers in Bioengineering and Biotechnology, 2021, 9, 765596. | 4.1 | 18 |
| 14 | Meniscus Injury and its Surgical Treatment Does not Increase Initial Whole Knee Joint Friction. Frontiers in Bioengineering and Biotechnology, 2021, 9, 779946. | 4.1 | 5 |
| 15 | The tibial cut influences the patellofemoral knee kinematics and pressure distribution in total knee arthroplasty with constitutional varus alignment. Knee Surgery, Sports Traumatology, Arthroscopy, 2020, 28, 3258-3269. | 4.2 | 2 |
| 16 | Degeneration Affects Three-Dimensional Strains in Human Menisci: In situ MRI Acquisition Combined With Image Registration. Frontiers in Bioengineering and Biotechnology, 2020, 8, 582055. | 4.1 | 8 |
| 17 | Degeneration alters the biomechanical properties and structural composition of lateral human menisci. Osteoarthritis and Cartilage, 2020, 28, 1482-1491. | 1.3 | 26 |
| 18 | Automatic segmentation of knee menisci – A systematic review. Artificial Intelligence in Medicine, 2020, 105, 101849. | 6. 5 | 16 |

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| 19 | Optimizing Manufacturing and Osseointegration of Ti6Al4V Implants through Precision Casting and Calcium and Phosphorus Ion Implantation? In Vivo Results of a Large-Scale Animal Trial. Materials, 2020, 13, 1670. | 2.9 | 5 |
| 20 | Establishment of a clinically relevant large animal model to assess the healing of metaphyseal bone. , 2019, 37, 444-466. | | 3 |
| 21 | Meniscal Replacement With a Silk Fibroin Scaffold Reduces Contact Stresses in the Human Knee. Journal of Orthopaedic Research, 2019, 37, 2583-2592. | 2.3 | 16 |
| 22 | German Society of Biomechanics (DGfB) Young Investigator Award 2019: Proof-of-Concept of a Novel Knee Joint Simulator Allowing Rapid Motions at Physiological Muscle and Ground Reaction Forces. Frontiers in Bioengineering and Biotechnology, 2019, 7, 244. | 4.1 | 6 |
| 23 | The effect of knee brace misalignment on the anterior cruciate ligament. Prosthetics and Orthotics International, 2019, 43, 309-315. | 1.0 | 5 |
| 24 | Differences between human septal and alar cartilage with respect to biomechanical features and biochemical composition. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 96, 236-243. | 3.1 | 1 |
| 25 | A biomechanical comparison of two plating techniques in lateral clavicle fractures. Clinical Biomechanics, 2019, 67, 78-84. | 1.2 | 5 |
| 26 | Newly Defined ATP-Binding Cassette Subfamily B Member 5 Positive Dermal Mesenchymal Stem Cells Promote Healing of Chronic Iron-Overload Wounds via Secretion of Interleukin-1 Receptor Antagonist. Stem Cells, 2019, 37, 1057-1074. | 3.2 | 41 |
| 27 | Surface analysis of sheep menisci after meniscectomy via infrared attenuated total reflection spectroscopy. Journal of Biophotonics, 2019, 12, e201800429. | 2.3 | 3 |
| 28 | Articular cartilage and meniscus reveal higher friction in swing phase than in stance phase under dynamic gait conditions. Scientific Reports, 2019, 9, 5785. | 3.3 | 21 |
| 29 | Deletion of nicotinic acetylcholine receptor alpha9 in mice resulted in altered bone structure. Bone, 2019, 120, 285-296. | 2.9 | 11 |
| 30 | Response of the Injured Tendon to Growth Factors in the Presence or Absence of the Paratenon. American Journal of Sports Medicine, 2019, 47, 462-467. | 4.2 | 12 |
| 31 | Biomechanical considerations are crucial for the success of tendon and meniscus allograft integration—a systematic review. Knee Surgery, Sports Traumatology, Arthroscopy, 2019, 27, 1708-1716. | 4.2 | 17 |
| 32 | The challenge of implant integration in partial meniscal replacement: an experimental study on a silk fibroin scaffold in sheep. Knee Surgery, Sports Traumatology, Arthroscopy, 2019, 27, 369-380. | 4.2 | 13 |
| 33 | Release of the medial collateral ligament is mandatory in medial open-wedge high tibial osteotomy. Knee Surgery, Sports Traumatology, Arthroscopy, 2019, 27, 2917-2926. | 4.2 | 21 |
| 34 | Biomechanics of a cemented short stem: Standard vs. line-to-line cementation techniques. A biomechanical in-vitro study involving six osteoporotic pairs of human cadaver femurs. Clinical Biomechanics, 2018, 52, 86-94. | 1.2 | 17 |
| 35 | Impact of five different medial patellofemoral ligament-reconstruction strategies and three different graft pre-tensioning states on the mean patellofemoral contact pressure: a biomechanical study on human cadaver knees. Journal of Experimental Orthopaedics, 2018, 5, 25. | 1.8 | 11 |
| 36 | Do Prophylactic Knee Braces Protect the Knee Against Impacts or Tibial Moments? An In Vitro Multisensory Study. Orthopaedic Journal of Sports Medicine, 2018, 6, 232596711880539. | 1.7 | 7 |

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| 37 | Analysis of human menisci degeneration <i>via</i> infrared attenuated total reflection spectroscopy. Analyst, The, 2018, 143, 5023-5029. | 3.5 | 5 |
| 38 | Improved tendon healing using bFGF, BMP-12 and TGF \hat{I}^21 in a rat model. , 2018, 35, 318-334. | | 28 |
| 39 | Biomechanical, structural and biological characterisation of a new silk fibroin scaffold for meniscal repair. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 86, 314-324. | 3.1 | 24 |
| 40 | Diet-Induced Obesity Affects Muscle Regeneration After Murine Blunt Muscle Trauma—A Broad Spectrum Analysis. Frontiers in Physiology, 2018, 9, 674. | 2.8 | 20 |
| 41 | Features of haptic and tactile feedback in TORS-a comparison of available surgical systems. Journal of Robotic Surgery, 2018, 12, 103-108. | 1.8 | 11 |
| 42 | ACL double-bundle reconstruction with one tibial tunnel provides equal stability compared to two tibial tunnels. Knee Surgery, Sports Traumatology, Arthroscopy, 2017, 25, 1646-1652. | 4.2 | 7 |
| 43 | The role of lesser trochanter fragment in unstable pertrochanteric A2 proximal femur fractures - is refixation of the lesser trochanter worth the effort?. Clinical Biomechanics, 2017, 42, 31-37. | 1.2 | 36 |
| 44 | Function and strain of the anterolateral ligament part I: biomechanical analysis. Knee Surgery, Sports Traumatology, Arthroscopy, 2017, 25, 1132-1139. | 4.2 | 26 |
| 45 | Influence of tibial hybrid fixation on graft tension and stability in ACL double-bundle reconstruction. Archives of Orthopaedic and Trauma Surgery, 2017, 137, 981-988. | 2.4 | 2 |
| 46 | Friction properties of a new silk fibroin scaffold for meniscal replacement. Tribology International, 2017, 109, 586-592. | 5.9 | 22 |
| 47 | Functional and Molecular Characterization of a Novel Traumatic Peripheral Nerve–Muscle Injury Model. NeuroMolecular Medicine, 2017, 19, 357-374. | 3.4 | 18 |
| 48 | Experimental and Simulation-Based Investigation of Polycentric Motion of an Inherent Compliant Pneumatic Bending Actuator with Skewed Rotary Elastic Chambers. Robotics, 2017, 6, 2. | 3.5 | 5 |
| 49 | Primary stability of a shoulderless Zweym $\tilde{A}\frac{1}{4}$ ller hip stem: a comparative in vitro micromotion study. Journal of Orthopaedic Surgery and Research, 2016, 11, 73. | 2.3 | 12 |
| 50 | Effect of a Simple Collagen Type I Sponge for Achilles Tendon Repair in a Rat Model. American Journal of Sports Medicine, 2016, 44, 1998-2004. | 4.2 | 36 |
| 51 | The influence of the test setup on knee joint kinematics – A meta-analysis of tibial rotation. Journal of Biomechanics, 2016, 49, 2982-2988. | 2.1 | 12 |
| 52 | Effects of macroporous, strontium loaded xerogel-scaffolds on new bone formation in critical-size metaphyseal fracture defects in ovariectomized rats. Injury, 2016, 47, S52-S61. | 1.7 | 20 |
| 53 | Computational modelling of ovine critical-sized tibial defects with implanted scaffolds and prediction of the safety of fixator removal. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 44, 133-146. | 3.1 | 7 |
| 54 | Small changes in bone structure of female $\hat{l}\pm7$ nicotinic acetylcholine receptor knockout mice. BMC Musculoskeletal Disorders, 2015, 16, 5. | 1.9 | 15 |

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| 55 | Altered ultrastructure, density and cathepsin K expression in bone of female muscarinic acetylcholine receptor M3 knockout mice. International Immunopharmacology, 2015, 29, 201-207. | 3.8 | 10 |
| 56 | Material properties of individual menisci and their attachments obtained through inverse FE-analysis. Journal of Biomechanics, 2015, 48, 1343-1349. | 2.1 | 22 |
| 57 | Mechanical properties and morphological analysis of the transitional zone between meniscal body and ligamentous meniscal attachments. Journal of Biomechanics, 2015, 48, 1350-1355. | 2.1 | 18 |
| 58 | Impaired extracellular matrix structure resulting from malnutrition in ovariectomized mature rats. Histochemistry and Cell Biology, 2015, 144, 491-507. | 1.7 | 17 |
| 59 | Differential Interactive Effects of Cartilage Traumatization and Blood Exposure In Vitro and In Vivo. American Journal of Sports Medicine, 2015, 43, 2822-2832. | 4.2 | 10 |
| 60 | Bone status of adult female butyrylcholinesterase gene-deficient mice. International Immunopharmacology, 2015, 29, 208-214. | 3.8 | 5 |
| 61 | Bone status of acetylcholinesterase-knockout mice. International Immunopharmacology, 2015, 29, 222-230. | 3.8 | 11 |
| 62 | Processed xenogenic cartilage as innovative biomatrix for cartilage tissue engineering: effects on chondrocyte differentiation and function. Journal of Tissue Engineering and Regenerative Medicine, 2015, 9, E239-E251. | 2.7 | 72 |
| 63 | In vivo performance of a novel silk fibroin scaffold for partial meniscal replacement in a sheep model. Knee Surgery, Sports Traumatology, Arthroscopy, 2015, 23, 2218-2229. | 4.2 | 53 |
| 64 | Influence of partial meniscectomy on attachment forces, superficial strain and contact mechanics in porcine knee joints. Knee Surgery, Sports Traumatology, Arthroscopy, 2015, 23, 74-82. | 4.2 | 15 |
| 65 | Biomimetic Hydroxyapatite Coated Titanium Screws Demonstrate Rapid Implant Stabilization and Safe Removal <i>In-Vivo</i> . Journal of Biomaterials and Nanobiotechnology, 2015, 06, 20-35. | 0.5 | 4 |
| 66 | Improved Anchorage of Ti6Al4V Orthopaedic Bone Implants through Oligonucleotide Mediated Immobilization of BMP-2 in Osteoporotic Rats. PLoS ONE, 2014, 9, e86151. | 2.5 | 20 |
| 67 | Material Models and Properties in the Finite Element Analysis of Knee Ligaments: A Literature Review. Frontiers in Bioengineering and Biotechnology, 2014, 2, 54. | 4.1 | 44 |
| 68 | Short-term glucocorticoid treatment causes spinal osteoporosis in ovariectomized rats. European Spine Journal, 2014, 23, 2437-2448. | 2.2 | 16 |
| 69 | Medial meniscal displacement and strain in three dimensions under compressive loads: MR assessment. Journal of Magnetic Resonance Imaging, 2014, 40, 1181-1188. | 3.4 | 40 |
| 70 | Subchondral bone influences chondrogenic differentiation and collagen production of human bone marrow-derived mesenchymal stem cells and articular chondrocytes. Arthritis Research and Therapy, 2014, 16, 453. | 3.5 | 49 |
| 71 | The effects of femoral external derotational osteotomy on frontal plane alignment. Knee Surgery, Sports Traumatology, Arthroscopy, 2014, 22, 2740-2746. | 4.2 | 53 |
| 72 | TSG-6 Released from Intradermally Injected Mesenchymal Stem Cells Accelerates Wound Healing and Reduces Tissue Fibrosis in Murine Full-Thickness Skin Wounds. Journal of Investigative Dermatology, 2014, 134, 526-537. | 0.7 | 195 |

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| 73 | Finite element modeling of soft tissues: Material models, tissue interaction and challenges. Clinical Biomechanics, 2014, 29, 363-372. | 1.2 | 126 |
| 74 | Bone Matrix, Cellularity, and Structural Changes in a Rat Model with High-Turnover Osteoporosis Induced by Combined Ovariectomy and a Multiple-Deficient Diet. American Journal of Pathology, 2014, 184, 765-777. | 3.8 | 24 |
| 75 | Osteoarthritic cartilage explants affect extracellular matrix production and composition in cocultured bone marrow-derived mesenchymal stem cells and articular chondrocytes. Stem Cell Research and Therapy, 2014, 5, 77. | 5.5 | 31 |
| 76 | Delayed bone healing following high tibial osteotomy related to increased implant stiffness in locked plating. Injury, 2014, 45, 1648-1652. | 1.7 | 52 |
| 77 | Differences of bone healing in metaphyseal defect fractures between osteoporotic and physiological bone in rats. Injury, 2014, 45, 487-493. | 1.7 | 42 |
| 78 | Stress-relaxation response of human menisci under confined compression conditions. Journal of the Mechanical Behavior of Biomedical Materials, 2013, 26, 68-80. | 3.1 | 66 |
| 79 | Implications of combined ovariectomy and glucocorticoid (dexamethasone) treatment on mineral, microarchitectural, biomechanical and matrix properties of rat bone. International Journal of Experimental Pathology, 2013, 94, 387-398. | 1.3 | 31 |
| 80 | Increasing posterior tibial slope does not raise anterior cruciate ligament strain but decreases tibial rotation ability. Clinical Biomechanics, 2013, 28, 285-290. | 1.2 | 24 |
| 81 | A new metaphyseal bone defect model in osteoporotic rats to study biomaterials for the enhancement of bone healing in osteoporotic fractures. Acta Biomaterialia, 2013, 9, 7035-7042. | 8.3 | 76 |
| 82 | Biomechanics of a short stem: In vitro primary stability and stress shielding of a conservative cementless hip stem. Journal of Orthopaedic Research, 2013, 31, 1180-1186. | 2.3 | 79 |
| 83 | Effects of Multi-Deficiencies-Diet on Bone Parameters of Peripheral Bone in Ovariectomized Mature Rat. PLoS ONE, 2013, 8, e71665. | 2.5 | 36 |
| 84 | Development of a New Biomechanically Defined Single Impact Rabbit Cartilage Trauma Model for <i>In Vivo </i> -Studies. Journal of Investigative Surgery, 2012, 25, 235-241. | 1.3 | 9 |
| 85 | Single impact cartilage trauma and TNF-α: Interactive effects do not increase early cell death and indicate the need for bi-/multidirectional therapeutic approaches. International Journal of Molecular Medicine, 2012, 30, 1225-1232. | 4.0 | 10 |
| 86 | Fabrication, mechanical and in vivo performance of polycaprolactone/tricalcium phosphate composite scaffolds. Acta Biomaterialia, 2012, 8, 3446-3456. | 8.3 | 93 |
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| 88 | Primary stability and strain distribution of cementless hip stems as a function of implant design. Clinical Biomechanics, 2012, 27, 158-164. | 1.2 | 113 |
| 89 | Quantitative analyses of bone composition in acetylcholine receptor M3R and alpha7 knockout mice. Life Sciences, 2012, 91, 997-1002. | 4.3 | 25 |
| 90 | Decellularized Cartilage Matrix as a Novel Biomatrix for Cartilage Tissue-Engineering Applications. Tissue Engineering - Part A, 2012, 18, 2195-2209. | 3.1 | 205 |

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| 91 | Effects of mechanical strain on human mesenchymal stem cells and ligament fibroblasts in a textured poly(I-lactide) scaffold for ligament tissue engineering. Journal of Materials Science: Materials in Medicine, 2012, 23, 2575-2582. | 3.6 | 35 |
| 92 | Effect of partial meniscectomy at the medial posterior horn on tibiofemoral contact mechanics and meniscal hoop strains in human knees. Journal of Orthopaedic Research, 2012, 30, 934-942. | 2.3 | 82 |
| 93 | Forces acting on the anterior meniscotibial ligaments. Knee Surgery, Sports Traumatology, Arthroscopy, 2012, 20, 1488-1495. | 4.2 | 19 |
| 94 | Impact of measurement errors on the determination of the linear modulus of human meniscal attachments. Journal of the Mechanical Behavior of Biomedical Materials, 2012, 10, 120-127. | 3.1 | 5 |
| 95 | Single impact trauma in human early-stage osteoarthritic cartilage: Implication of prostaglandin D2 but no additive effect of IL- $1\hat{1}^2$ on cell survival. International Journal of Molecular Medicine, 2011, 28, 271-7. | 4.0 | 20 |
| 96 | Maximum tensile force of different suture techniques in reconstruction of the renal remnant after nephron-sparing surgery. Surgical Endoscopy and Other Interventional Techniques, 2011, 25, 503-507. | 2.4 | 10 |
| 97 | Anterior Knee Laxity Increases Gapping of Posterior Horn Medial Meniscal Tears. American Journal of Sports Medicine, 2011, 39, 1749-1756. | 4.2 | 25 |
| 98 | A novel method for lateral callus distraction and its importance for the mechano-biology of bone formation. Bone, 2010, 47, 712-717. | 2.9 | 24 |
| 99 | Meniscal screw fixation provides sufficient stability to prevent tears from gapping. Clinical Biomechanics, 2007, 22, 93-99. | 1.2 | 8 |
| 100 | Sagittal curvature of total knee replacements predicts in vivo kinematics. Clinical Biomechanics, 2007, 22, 52-58. | 1.2 | 57 |
| 101 | Evaluation of a 3D object registration method for analysis of humeral kinematics. Journal of Biomechanics, 2007, 40, 511-518. | 2.1 | 9 |
| 102 | Ligament balancing in TKA: Evaluation of a force-sensing device and the influence of patellar eversion and ligament release. Journal of Biomechanics, 2007, 40, 1709-1715. | 2.1 | 53 |
| 103 | Quantification of the 3D relative movement of external marker sets vs. bones based on magnetic resonance imaging. Clinical Biomechanics, 2006, 21, 984-991. | 1.2 | 52 |
| 104 | Can a finite set of knee extension in supine position be used for a knee functional examination?. Journal of Biomechanics, 2006, 39, 359-363. | 2.1 | 10 |
| 105 | Biological response to a new composite polymer augmentation device used for cruciate ligament reconstruction. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2006, 76B, 265-272. | 3.4 | 11 |
| 106 | Establishment of a Knee-Joint Coordinate System From Helical Axes Analysis—A Kinematic Approach Without Anatomical Referencing. IEEE Transactions on Biomedical Engineering, 2004, 51, 1341-1347. | 4.2 | 26 |
| 107 | Finite helical axes of motion are a useful tool to describe the three-dimensional in vitro kinematics of the intact, injured and stabilised spine. European Spine Journal, 2004, 13, 553-559. | 2.2 | 58 |
| 108 | Anterior cruciate ligament rupture translates the axes of motion within the knee. Clinical Biomechanics, 2004, 19, 130-135. | 1.2 | 44 |

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| 109 | Correction of axis misalignment in the analysis of knee rotations. Human Movement Science, 2003, 22, 285-296. | 1.4 | 42 |
| 110 | Control of material stiffness during degradation for constructs made of absorbable polymer fibers. , 2003, 67B, 697-701. | | 8 |
| 111 | Cyclic joint loading can affect the initial stability of meniscal fixation implants. Clinical Biomechanics, 2003, 18, 44-49. | 1.2 | 24 |
| 112 | Gapping phenomenon of longitudinal meniscal tears. Clinical Biomechanics, 2003, 18, 505-510. | 1.2 | 26 |
| 113 | Accurate Determination of a Joint Rotation Center Based on the Minimal Amplitude Point Method. Computer Aided Surgery, 2003, 8, 30-34. | 1.8 | 36 |
| 114 | Augmentation of a ruptured posterior cruciate ligament provides normal knee joint stability during ligament healing. Clinical Biomechanics, 2001, 16, 222-228. | 1.2 | 19 |
| 115 | Resorbable polymer fibers for ligament augmentation. Journal of Biomedical Materials Research Part B, 2001, 58, 666-672. | 3.1 | 67 |
| 116 | Musculo-skeletal loading conditions at the hip during walking and stair climbing. Journal of Biomechanics, 2001, 34, 883-893. | 2.1 | 389 |
| 117 | Suitability of External Fixators For Use in the Tropics - Eignung von externen Fixateuren f \tilde{A}^{1} 4r den Tropeneinsatz. Biomedizinische Technik, 2001, 46, 214-220. | 0.8 | 2 |
| 118 | Patella position and biomechanical properties of the patellar tendon 1 year after removal of its central third. Clinical Biomechanics, 1997, 12, 267-271. | 1.2 | 6 |
| 119 | Acutely repaired proximal anterior cruciate ligament ruptures in sheep - by augmentation improved stability and reduction of cartilage damage. Journal of Materials Science: Materials in Medicine, 1997, 8, 855-859. | 3.6 | 10 |
| 120 | Identification and distribution of synthetic ligament wear particles in sheep., 1996, 31, 319-328. | | 20 |
| 121 | Comparative animal study of three ligament prostheses for the replacement of the anterior cruciate and medial collateral ligament. Biomaterials, 1996, 17, 977-982. | 11.4 | 46 |
| 122 | Biological response to ligament wear particles. Journal of Applied Biomaterials: an Official Journal of the Society for Biomaterials, 1995, 6, 35-41. | 1.2 | 17 |
| 123 | The Influence of Muscle Forces and External Loads on Cruciate Ligament Strain. American Journal of Sports Medicine, 1995, 23, 129-136. | 4.2 | 180 |