Andreas Seitz

List of Publications by Year in Descending Order

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Version: 2024-04-23

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43 papers	773 citations	13 h-index	27 g-index
51 ext. papers	961 ext. citations	4.2 avg, IF	3.84 L-index

#	Paper	IF	Citations
43	Meniscus biomechanics **2022**, 177-197		
42	Cartilage biomechanics **2022**, 151-176		
41	Comparison of Knotless and Knotted Single-Anchor Repair for Ruptures of the Upper Subscapularis Tendon: Outcomes at 2-Year Follow-up.. *Orthopaedic Journal of Sports Medicine*, **2022**, 10, 23259671221083591	2.5	
40	Knee Joint Menisci Are Shock Absorbers: A Biomechanical Study on Porcine Stifle Joints.. *Frontiers in Bioengineering and Biotechnology*, **2022**, 10, 837554	5.8	0
39	Neuromapping of the Capsuloligamentous Knee Joint Structures. *Arthroscopy, Sports Medicine, and Rehabilitation*, **2021**, 3, e555-e563	2	2
38	Evaluation of a curved surgical prototype in a human larynx. *European Archives of Oto-Rhino-Laryngology*, **2021**, 278, 2927-2935	3.5	0
37	Osteoarthritis-Related Degeneration Alters the Biomechanical Properties of Human Menisci Before the Articular Cartilage. *Frontiers in Bioengineering and Biotechnology*, **2021**, 9, 659989	5.8	3
36	Can UVA-light-activated riboflavin-induced collagen crosslinking be transferred from ophthalmology to spine surgery? A feasibility study on bovine intervertebral disc. *PLoS ONE*, **2021**, 16, e0252672	3.7	1
35	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	5.5	1
34	Forces at the Anterior Meniscus Attachments Strongly Increase Under Dynamic Knee Joint Loading. *American Journal of Sports Medicine*, **2021**, 49, 994-1004	6.8	1
33	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**,	2.2	1
32	Influence of Menisci on Tibiofemoral Contact Mechanics in Human Knees: A Systematic Review.. *Frontiers in Bioengineering and Biotechnology*, **2021**, 9, 765596	5.8	1
31	Meniscus Injury and its Surgical Treatment Does not Increase Initial Whole Knee Joint Friction.. *Frontiers in Bioengineering and Biotechnology*, **2021**, 9, 779946	5.8	1
30	Automatic segmentation of knee menisci - A systematic review. *Artificial Intelligence in Medicine*, **2020**, 105, 101849	7.4	11
29	Modified Candy-Package technique vs Cerclage technique for refixation of the lesser trochanteric fragment in pertrochanteric femoral fractures. A biomechanical comparison of 10 specimens. *Injury*, **2020**, 51, 1763-1768	2.5	2
28	Infrared attenuated total reflection spectroscopic surface analysis of bovine-tail intervertebral discs after UV-light-activated riboflavin-induced collagen cross-linking. *Journal of Biophotonics*, **2020**, 13, e202000110	3.1	1
27	Osseointegration of titanium implants with a novel silver coating under dynamic loading. *European Cells and Materials*, **2020**, 39, 249-259	4.3	4

26	Chondral lesions at the medial femoral condyle, meniscal degeneration, anterior cruciate ligament insufficiency, and lateral meniscal tears impair the middle-term results after arthroscopic partial meniscectomy. *Knee Surgery, Sports Traumatology, Arthroscopy*, **2020**, 28, 3488-3496	5.5	1
25	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	5.5	1
24	Degeneration Affects Three-Dimensional Strains in Human Menisci: MRI Acquisition Combined With Image Registration. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 582055	5.8	5
23	Degeneration alters the biomechanical properties and structural composition of lateral human menisci. *Osteoarthritis and Cartilage*, **2020**, 28, 1482-1491	6.2	7
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	5.8	3
21	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	5.8	19
20	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	5.5	11
19	Release of the medial collateral ligament is mandatory in medial open-wedge high tibial osteotomy. *Knee Surgery, Sports Traumatology, Arthroscopy*, **2019**, 27, 2917-2926	5.5	13
18	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	2.3	4
17	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	5.5	6
16	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	3.6	0
15	Mechanical properties and morphological analysis of the transitional zone between meniscal body and ligamentous meniscal attachments. *Journal of Biomechanics*, **2015**, 48, 1350-5	2.9	11
14	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, E239-51	4.4	58
13	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	5.5	13
12	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	8.3	23
11	Medial meniscal displacement and strain in three dimensions under compressive loads: MR assessment. *Journal of Magnetic Resonance Imaging*, **2014**, 40, 1181-8	5.6	30
10	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	5.7	35
9	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	4.3	153

8	Stress-relaxation response of human menisci under confined compression conditions. *Journal of the Mechanical Behavior of Biomedical Materials*, **2013**, 26, 68-80	4.1	51
7	Increasing posterior tibial slope does not raise anterior cruciate ligament strain but decreases tibial rotation ability. *Clinical Biomechanics*, **2013**, 28, 285-90	2.2	17
6	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, 120-7	4.1	5
5	Decellularized cartilage matrix as a novel biomatrix for cartilage tissue-engineering applications. *Tissue Engineering - Part A*, **2012**, 18, 2195-209	3.9	170
4	What do patients know about their low back pain? An analysis of the quality of information available on the Internet. *Technology and Health Care*, **2012**, 20, 447-55	1.1	4
3	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, 934-42	3.8	65
2	Forces acting on the anterior meniscotibial ligaments. *Knee Surgery, Sports Traumatology, Arthroscopy*, **2012**, 20, 1488-95	5.5	12
1	Anterior knee laxity increases gapping of posterior horn medial meniscal tears. *American Journal of Sports Medicine*, **2011**, 39, 1749-55	6.8	21